

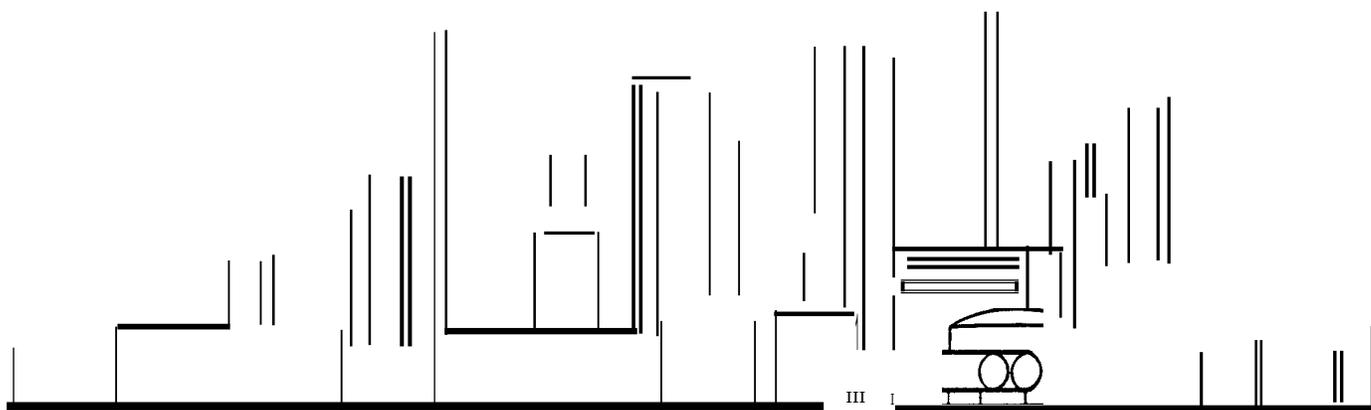
United States International Trade Commission

SYNTHETIC ORGANIC CHEMICALS

United States Production and Sales, 1992

USITC Publication 2720

February 1994



Seventy-Sixth Annual Edition

U.S. International Trade Commission

COMMISSIONERS

Don E. Newquist, Chairman
Peter S. Watson, Vice Chairman
David B. Rohr
Anne E. Brunsdale
Carol T. Crawford
Janet A. Nuzum

Robert A. Rogowsky
Director of Operations

Vem Simpson
Director of Industries

John J. Gersic, Chief
Energy, Chemicals, and Textiles Division

Project leaders: James Emanuel and Elizabeth Nesbitt

This report was principally prepared by
Gwen L. Bennett, Brenda Camll, Elaine T. Freeman, Sharon Greenfield,
Kenneth Kozel, David Michels, Lemuel Shields, Darlene Smith, and Janice Wayne.

Technical assistance in the preparation of this report was provided by
Cynthia B. Foreso, Larry Johnson, Dr. Aimison Jonnard, Eric Land,
Edward Matusik, David Michels, Denby Misurelli, Elizabeth Nesbitt,
James Raftery, Robert Randall, Cynthia Trainor, and Stephen Wanser.

Data processing was provided by David Michels

Electronic publishing and design provided by
Larry Johnson and David Michels.

Automation assistance provided by
Jim Gill and Annie Sams, Office of Information Resources Management.

Address all communications to
Secretary to the Commission
United States International Trade Commission
Washington, DC 20436

UNITED STATES INTERNATIONAL TRADE COMMISSION

SYNTHETIC ORGANIC CHEMICALS

United States Production and Sales, 1992

USITC Publication 2720

CONTENTS

	<i>Page</i>
Introduction	1
Figures	
1. An example of the levels of aggregation found in Table 3 and their corresponding labels	2
Tables	
1. Synthetic organic chemicals and their raw materials: U.S. production and sales, 1992	4
2. Synthetic organic pigments: Summary of U.S. production and sales, 1992, by color	5
3. Synthetic organic chemicals: U.S. production and sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992	3-1
Appendixes	
A. Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992	A-1
B. Alphabetical chemical index	B-1

Introduction

This is the 76th annual report of the U.S. International Trade Commission on domestic production and sales of synthetic organic chemicals and the raw materials from which they are made. The report, along with the quarterly report titled *Preliminary Report on U.S. Production of Selected Synthetic Organic Chemicals (Including Synthetic Plastics and Resin Materials)*, is prepared under investigation No. 332-135, Synthetic Organic Chemicals Reports. This investigation is conducted under the authority of section 332(g) of the Tariff Act of 1930 (19 U.S.C. 1322(g)), for the purpose of collecting data and preparing public reports on synthetic organic chemicals, plastics materials, medicinal chemicals, pesticides, and other organic chemical products. The annual report presents data aggregated in the format of the *Harmonized Tariff Schedule of the United States* (HTS) on an 8-digit HTS basis. Data have been supplied by approximately 651 producers. Primary manufacturers of reported products are identified by manufacturers' names and/or divisions.

Data contained in this report are compiled primarily from Commission questionnaires sent to domestic producers and represent the best data available to the Commission. The data include the total output of each company's plants, i.e., the quantities produced for consumption within the producing plant, as well as the quantities produced for domestic and foreign sale. The quantities reported as produced, therefore, generally exceed the quantities reported as sold. Some of these differences, however, are attributable to changes in inventory. While the data supplied in the questionnaires are checked against data previously supplied by the submitting firm and with data supplied by other domestic producers, data are not independently verified by direct Commission examination of the books of companies furnishing information. Data contained in this report should not be used for investment and other purposes without independent verification.

This is the first year in which data has been presented on an HTS basis. As such, two summary tables have been added to provide comparability to data published in previous years. Table 1 presents data aggregated by product use. Table 2 provides data in a more detailed format for synthetic organic pigments.

Statistics on products and groups of products are provided in as great detail in table 3 as is possible without revealing the operations of

individual producers. Statistics for an individual chemical or group of chemicals are given only when there are three or more producers, no one or two of which may be predominant. Moreover, even when there are three or more producers, statistics are not given if there is any possibility that their publication would violate the statutory provisions relating to unlawful disclosure of information accepted in confidence by the Commission. In instances where data were not publishable, the data were recompiled at successively higher levels of aggregation to determine publishability. These levels at the item level are assigned the label "Residual Total," while at higher levels of HTS detail they are assigned the label of "HTS level residual total." Categories labeled this way have been assigned "xx" as the last two characters in the HTS classification (e.g., 222222 xx, 2222 xx). See fig. 1 for an example from table 3.

Data are reported by producers for only those items where the volume of production or sales or value of sales exceeds certain minimums, as specified in the questionnaires. Data are usually supplied in terms of undiluted materials; however, for reporting purposes, products of 95 percent or greater purity are considered to be 100 percent pure. Commercial concentrations are applicable for dyes, certain plastics and resins, and a few solvents; such concentrations are specifically noted.

Appendix A is a directory, alphabetized by the names of the manufacturers reporting in all sections and which includes their general corporate phone numbers and office addresses.

Appendix B is an alphabetical index of all the products in this edition of the report with corresponding HTS classifications. The HTS classifications presented in the report are not intended to be, and will not be, binding upon the U.S. Customs Service and should not be considered as formal or informal rulings or advice.

As specified in the reporting instructions sent to manufacturers, production and sales (unless otherwise specified) are defined as follows:

Production is the total quantity of a commodity **made available by ORIGINAL MANUFACTURERS ONLY** within the customs territory of the United States (includes the 50 states, the District of Columbia, and

U.S.C. § 1905 and 44 U.S.C. § 3508.

Figure 1. An example of the levels of aggregation found in Table 3 and their corresponding labels.

NTS No.	Classification/chemical description/manufacturer	Sales		Average. unit value Per kilograms
		Production 1,000 kilogram	Quantity 1,000 kilograms	
290550	Halogenated, sulfonated, nitrated or nitrosated derivatives of acyclic alcohols	(1)	(1)	(1)
29055010	Halogenated, sulfonated, nitrated or nitrosated derivatives of monohydric alcohols	(1)	(1)	(1)
	2-Methyl-2-nitro-1-propanol	(1)	(1)	(1)
	Angus Chemical Co.			
	Trifluoroethanol	(1)	(1)	(1)
	Hatocarbon Products Corps.			
	Residual Total	(1)	(1)	(1)
29055050	Halogenated, sulfonated, nitrated or nitrosated derivatives of acyclic alcohols, excluding derivatives of monohydric alcohols	(1)	1,616	15,959 53.69
	2-Bromo-2-nitropropanediol	(1)	()	()
	Angus Chemical Co.			
	3-Chloro-1,2-propanediol (Glycerol a-chlorohydrin)	(1)	(1)	(1)
	Dixie Chemical Co., Inc.			
	W R Grace i Co., Organic Chemicals Div.,			
	Evans Chemetics			
	2-(Hydroxymethyl)-2-nitro-1,3-propanediol (Tris-(hydroxymethyl)nitromethane)	(1)	(1)	(1)
	Angus Chemical Co.			
	iodinated glycerol	(1)	(1)	(1)
	Arenol Chemical Corp.			
	Company not disclosed			
	Pentaerythritol, brominated	(1)	(1)	(1)
	Ethyl Corp.			
	Residual Total	(1)	1,616	5,959 3.69
2905xx	NTS level residual total	2,081,846	48,185	93,202 1.93

See footnotes at end of table.

Puerto Rico). It covers synthetic organic chemicals, specified crudes from petroleum and coal tar, and certain chemically described natural products, such as, alkaloids, enzymes, and perfume isolates. It is the sum—expressed in terms of 100% active ingredient unless otherwise specified in the reporting instructions—of the quantities:

Produced, separated, and consumed in the same plant or establishment. A **Commodity** is considered separated either when it is isolated from the reactive system or when it is not isolated, but weighed, analyzed, or otherwise measured. This includes by-products and co-products that are not classifiable as waste materials;

Produced and not isolated, but directly converted to a finished or semifinished item not included in this report (e.g., polyester film, polyurethane tires, nylon fiber, soap, etc.). (See specific instructions in individual sections);

Produced and transferred to other plants or establishments of the same firm or 100% owned subsidiaries or affiliates;

Produced and sold to, or bartered with, other firms (including less than 100% owned subsidiaries);

Produced *for others* under toll agreements (see general instructions); Produced and held in stock.

PRODUCTION EXCLUDES:

Purification of a commodity, which is purchased by, or transferred from within, the company, unless inclusion of such processing is specifically requested in the reporting instructions for individual sections;

Intermediate products which are formed in the manufacturing process, but are not isolated

from the reaction system—that is, not weighed, analyzed, or otherwise measured; except such products as described above as being produced and not isolated, but directly converted to a finished or semifinished item. Materials that are used in the process but which are recovered for re-use or sale; Waste products having no economic significance.

SALES are actual quantities of commodities sold by **ORIGINAL MANUFACTURERS ONLY**. Sales include the quantity and value of:

Shipments of a commodity for domestic use or for export, or segregation in a warehouse when title has *passed to* the purchaser in a bona fide sale;

Shipments of a commodity produced for you *by others* under toll agreement;

Shipments to subsidiary or affiliated companies, provided the ownership is less than 100%.

SALES EXCLUDE:

All intra-company transfers within a corporate entity;

All shipments to 100% owned subsidiary or affiliated companies;

All resales of imported or purchased material, including materials obtained by barter;

All shipments of commodity produced *for others* under toll agreements.

VALUE OF SALES is the net dollar receipts of sales f.o.b. plant or warehouse, or delivered. F.o.b. values are preferred, but if they are not readily available from your records, delivered values are acceptable.

Table 1
Synthetic organic chemicals and their raw materials: U.S. production and sales, 1992

Chemical	Production	Sales	
	1992	Quantity	Value
	<i>Million kilograms</i>	<i>Million kilograms</i>	<i>Million dollars</i>
Grand total	197,454	109301	86,029
Coal tar and crudes	2,655	1,515	362
Primary products from petroleum and natural gas	56,498	30,447	8,975
Synthetic organic chemicals, total	138,301	77,539	76,692
Cyclic intermediates	26,864	10,916	7,372
Dyes	148	137	912
Organic pigments'	57	46	779
Medicinal chemicals	149	92	2,384
Flavor and perfume materials	101	92	882
Plastics and resin materials	31,419	27,828	28,210
Rubber-processing chemicals	157	132	498
Elastomer (synthetic rubber)	2,614	1,870	3,454
Plasticizers	915	861	1,032
Surface-active agents	3,174	2,023	2,480
Pesticides and related products	492	406	4,174
Miscellaneous end-use chemicals and chemical products	17,286	10,492	9,972
Miscellaneous cyclic and acyclic chemicals	54,925	22,644	14,542

¹ Because of rounding, figures may not add to the totals shown.

² See Table 2 for additional data on this product grouping.

Source: Compiled from data received in response to questionnaires of the U.S. International Trade Commission.

Table 2
Synthetic organic pigments: Summary of U.S. production and sales, 1992, by color

Organic pigments	Production	Sales quantity	Sales value
	<i>1,000 kilograms</i>	<i>1,000 kilograms</i>	<i>1,000 dollars</i>
Aggregate Toners & Lakes'	56,944	45,789	788,697
Aggregate Toners	56,834	5,670	775,834
Yellow toners	15,810	13,971	169,062
Orange toners	1,420	1,215	22,436
Red toners	19,228	14,070	275,329
Violet toners	1,938	1,765	94,678
Blue toners	16,969	13,195	180,753
Green toners	1,426	1,418	33,431
Black & brown toners	43	35	145
Aggregate lakes	110	119	2,863
Violet lakes	23	28	729
Other lakes ²	87	91	2,134

¹ Toners and lakes are essentially the same in their final form; they differ in the method of preparation. A lake is an organic pigment produced by the interaction of a soluble dye, a precipitant, and an absorptive inorganic substrate. A toner is an insoluble dye produced as a powder; some toners are extended by the inclusion of a solid diluent.

² Other lakes include yellow, red, blue and green lakes.

Note.—Because of rounding, figures may not add to the totals shown.

Table 3
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
	Grand Total	334,270,638	227,482,559	86,044,346	\$ 0.38
13	Lac; gums, resins and other vegetable saps and extracts		(¹)		
1302	Vegetable saps and extracts; pectic substances, pectinates and pectates; agar-agar and other mucilages and thickeners, whether or not modified, derived from vegetable products	(1)	(1)		
130239	Mucilages and thickeners derived from vegetable products other than locust beans, locust bean seeds or guar seeds, and excluding agar-agar	(1)	(1)		
13023900	Mucilages and thickeners derived from vegetable products other than locust beans, locust bean seeds or guar seeds, and excluding agar-agar	(¹)	(¹)	(¹)	
	Hydroxypropyl guar gum	(1)	(1)	(1)	
	Aqualon Co.				
	Polydextrose	(1)	(¹)	(¹)	
	Pfizer, Inc.				
	Xanthan gum			(11)	
	Pfizer, Inc.				
	Residual Total	(1)	(1)	(1)	
15	Animal or vegetable fats and oils and their cleavage products; prepared edible fats; animal or vegetable waxes	(1)		(1)	
1516	Animal or vegetable fats and oils and their fractions, partly or wholly hydrogenated, interesterified, reesterified or elaidinized, whether or not refined, but not further prepared	(¹)	(¹)	(¹)	
151610	Animal fats and oils, partly or wholly hydrogenated, interesterified, reesterified or elaidinized, not further prepared	(¹)	(¹)		
16161000	Animal fats and oils, partly or wholly hydrogenated, interesterified, reesterified or elaidinized, not further prepared	(¹)		(¹)	
	Hydrogenated menhaden fish oil	(1)	(1)	(1)	
	Chemol Co				
	Witco Corp.				
	Hydrogenated tallow glycerides	10,669	9,915	6,492	0.65
	Chemol Co				
	Lonza, Inc.				
	Witco Corp.				
	Tallow, partially hydrogenated	(¹)	(¹)	(¹)	
	Chemol Co				
	Tallow triglyceride, hydrogenated		(1)	(1)	
	Lonza, Inc.				
	Residual Total	(¹)	(1)	(1)	
151610XX	HTS Level Residual Total		(1)	(1)	
151620	Vegetable fats & oils & their fractions, partly or wholly hydrogenated, interesterified, reesterified or elaidinized, not further prepared, nesi	229,814	186,730	142,692	0.76
15162090	Vegetable fats and oils nesi, partly or wholly hydrogenated, interesterified, reesterified or elaidinized, not further prepared	229,814	186,730	142,692	0.76

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 15162090 —Continued					
	Castor oil, hydrogenated <i>Caschem, Inc.</i>	(1)	(¹)	(¹)	
	Fatty acids, hydrogenated <i>Akzo Chemicals, Inc.</i> <i>Caschem, Inc.</i> <i>Lonza, Inc.</i> <i>Sherex Chemical Co., Inc.</i> <i>Synthetic products co.</i> <i>Unichema North America</i> <i>Witco Corp.</i>	199,878	160,243	111,868	\$ 0.70
	Fatty acids, partially hydrogenated <i>Synthetic products co.</i> <i>Witco Corp.</i>	(1)	(¹)	(¹)	
	Vegetable glycerides, hydrogenated <i>Grindsted Products, Inc.</i> <i>Lonza, Inc.</i> <i>Witco Corp.</i>		(¹)	(¹)	
	Residual Total	29,936	26,487	30,824	1.16
1516XX	HTS Level Residual Total			(¹)	
1518	Animal or vegetable fats and oils and their fractions, boiled, oxidized, dehydrated, sulfurized, blown, polymerized by heat in vacuum or in inert gas or otherwise chemically modified, excluding those of heading 1516; inedible mixtures or preparations of animal or vegetable fats or oils or of fractions of different fats or oils of this chapter, not elsewhere specified or included	(1)	(1)	(1)	
151800	Animal or vegetable fats & oils & their fractions, excl. those of 1616; inedible mixtures or preparations of animal or vegetable fats or oils or of fractions of different fats or oils of this chapter	(¹)			
16180020	Linseed or flaxseed oil, and their fractions, boiled, oxidized, dehydrated, sulfurized, blown or otherwise chemically modified	4,266	4,364	7,364	1.69
	Chlorinated fatty materials <i>Dover Chemical Corp., sub. of ICC Industries, Inc.</i> <i>Ferro Corp., Keil Chemical Div.</i>	(1)	(1)	(1)	
	Epoxidized linseed oils <i>Elf Atochem North America, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i> <i>Witco Corp.</i>	(¹)	(¹)		
	Residual Total	4,266	4,364	7,364	1.69
15180040	Animal or vegetable fats and oils, nesi, oxidized, dehydrated or otherwise chemically modified; inedible mixtures of fats and oils nesi			(1)	
	Brominated vegetable oil <i>Dominion Products, Inc.</i>	(¹)		(¹)	
	Castor oil fatty acids, dehydrated <i>Caschem, Inc.</i>	(¹)		(¹)	
	Castor oil, polymerized <i>Caschem, Inc.</i>	(¹)	(¹)		
	Epoxidized soya oils <i>Elf Atochem North America, Inc.</i> <i>Ferro Corp., Bedford Chemical Div.</i> <i>Teknor Apex Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	60,070	59,274	42,252	0.71

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 16180040 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Witco Corp.</i>				
	Epoxidized tall oils	(1)	(1)	(1)	
	<i>FMC Corp., Chemical Products Group</i>				
	Fats and oils, chemically modified, all other	7,879	5,364	7,022	\$ 1.31
	<i>Akzo Chemicals, Inc.</i>				
	<i>C. J. Osborn, Chemicals, Inc.</i>				
	<i>Caschem, Inc.</i>				
	<i>Grindsted Products, Inc.</i>				
	<i>James River II, Inc.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mobil Oil Corp., Chemical Products Div.</i>				
	Fish oil, C ₁₄ -C ₂₂ menhaden, lead salts	(1)	(1)	(1)	
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	Sulfurized lard oil	(1)	(1)	(1)	
	<i>Quaker Chemical Corp.</i>				
	Residual Total	(1)	(1)	(1)	
1519	Industrial monocarboxylic fatty acids; acid oils from refining; industrial fatty alcohols	(1)	(1)	(1)	
151919	Industrial monocarboxylic fatty acids excluding stearic acid, oleic acid or tall of fatty acids	13,643	8,784	7,100	0.81
15191940	Industrial monocarboxylic fatty acids nesi	13,643	8,784	7,100	0.81
	Fatty acids	13,643	8,784	7,100	0.81
	<i>Akzo Chemicals, Inc.</i>				
	<i>Caschem, Inc.</i>				
	<i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Unichema North America</i>				
	<i>Witco Corp.</i>				
151930	Industrial fatty alcohols	(1)	(1)	(1)	
15193060	Industrial fatty alcohols other than derived from fatty substances of animal or vegetable origin	(1)	(1)	(1)	
	cis-9-Octadecen-1-ol (Oleyl alcohol)	(1)	(1)	(1)	
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Residual Total	(1)	(1)	(1)	
1520	Glycerol (glycerine), whether or not pure; glycerol waters and glycerol lyes	(1)	(1)	(1)	
152090	Glycerol (glycerine), other than crude, whether or not pure, including synthetic glycerol	(1)	(1)	(1)	
15209000	Glycerol (glycerine), other than crude, whether or not pure, including synthetic glycerol	(1)	(1)	(1)	
	Glycerol, synthetic only	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	<i>Lonza, Inc.</i>				
	<i>Synthetic products co.</i>				
	Residual Total	(1)	(1)	(1)	
17	Sugars and sugar confectionery	(1)	(1)	(1)	
1702	Other sugars, including chemically pure lactose, maltose, glucose and fructose, in solid form; sugar syrups not containing added flavoring or coloring matter; artificial honey, whether or not mixed with natural honey; caramel	(1)	(1)	(1)	
170290	Sugar including invert sugar, nesi	(1)	(1)	(1)	
17029050	Sugar and sugar syrup, nesi, not flavored or colored	(1)	(1)	(1)	
	D. Maltose	(1)	(1)	(1)	
	<i>Pfanstiehl Laboratories, Inc.</i>				
	Residual Total	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
22	Beverages, spirits and vinegar	(¹)			
2207	Undenatured ethyl alcohol of an alcoholic strength by volume of 80 percent vol. or higher; ethyl alcohol and other spirits, denatured, of any strength	316,511	260,653	158,850	\$ 0.61
220710	Undenatured ethyl alcohol of an alcoholic strength by volume of 80 percent vol. or higher	316,511	260,653	158,850	0.61
22071060	Undenatured ethyl alcohol of 80 percent vol. alcohol or higher, for nonbeverage purposes	316,511	260,653	158,850	0.61
	Ethyl alcohol, synthetic	316,511	260,653	158,850	0.61
	Dow Chemical Co.				
	Eastman Kodak Co., Texas Eastman Co. Div				
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Quantum Chemical Corp., US/ Div.				
	Shell Oil Co., Shell Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Vista Chemical Co.				
	Tall oil monohydric esters		(1)		
	Arizona Chemical Co.				
	Residual Total	(1)		(1)	
27	Mineral fuels, mineral oil and products of their distillation; bituminous substances; mineral waxes	(¹)	(¹)		
2706	Tar distilled from coal, from lignite or from peat, and other mineral tars, whether or not dehydrated or partially distilled, including reconstituted tars	1,131,217	1,041,487	114,987	0.11
270600	Tar distilled from coal, lignite, or peat; other mineral tars, including reconstituted tar	1,131,217	1,041,487	114,987	0.11
27060000	Tar distilled from coal, lignite, or peat; other mineral tars, including reconstituted tar	1,131,217	1,041,487	114,987	0.11
	Crude coal tar	703,471	630,203	61,221	0.10
	Acme Steel Co.				
	Citizens Gas & Coke Utility				
	Drummond Company, Inc.				
	Empire Coke Co.				
	Gulf States Steel, Inc.				
	Inland Steel Co.				
	Koppers Industries, Inc.				
	LTV Steel Co., Inc.				
	New Boston Coke Corp.				
	Tonawanda Coke Corp.				
	U.S. Steel, Div. of USX, Clairton Plant				
	U.S. Steel, Div. of USX, Gary Works				
	Wheeling Pittsburg Steel Corp.				
	Crude coal tar solvent				
	Koppers Industries, Inc.				
	Tar bases: crude bases (Dry basis)	(1)			
	Koppers Industries, Inc.				
	Tar bases: semirefined or denaturing grade	(¹)	(¹)	(1)	
	U.S. Steel, Div. of USX, Clairton Plant				
	Tar distillates, all other	(1)	(1)		
	Allied Signal, Inc., Engineered Materials Sector				
	Givaudan Corp.				
	Tar for other uses: crude	(1)	(1)	(1)	
	Bethlehem Steel Corp.				
	Tar for other uses: refined	(¹)		(¹)	
	Allied Signal, Inc., Engineered Materials Sector				
	Koppers Industries, Inc.				
	Reilly Industries, Inc.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 27060000 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Tar, road	(1)	(1)	(1)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Reilly Industries, Inc.</i>				
	Residual Total	427,746	411,284	36,590	\$ 0.09
2707	Oils and other products of the distillation of high temperature coal tar: similar products in which the weight of the aromatic constituents exceeds that of the nonaromatic constituents	(1)	(1)	(1)	
270740	Naphthalene, obtained in distilling high temperature coal tar	(1)	74,781	13,579	0.18
27074000	Naphthalene, obtained in distilling high temperature coal tar	(1)	74,781	13,579	0.18
	Naphthalene	(1)	(1)	(1)	
	<i>Chemical Exchange Industries, Inc.</i>				
	<i>Texaco Chemical Co.</i>				
	Naphthalene, crude, solidifying at 76° C to less than 79° C	124,075	(1)	(1)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Aristech Chemical Corp</i>				
	<i>Koppers Industries, Inc.</i>				
	Naphthalene, crude, solidifying at less than 74° C.	(1)	(1)	(1)	
	<i>Bethlehem Steel Corp.</i>				
	<i>Coopers Creek Chemical Corp.</i>				
	<i>Guff States Steel, Inc.</i>				
	Residual Total	(1)	74,781	13,579	0.18
270750	Aromatic hydrocarbon mixtures, nesi, of which 65% or more by volume (including losses) distills at 250 degrees C by the ASTM D 86 method	(1)	(1)	(1)	
27075000	Other aromatic hydrocarbon mixtures of which 65% or more by volume (including losses) distills at 250 degrees C by the ASTM D 86 method	(1)	(1)	(1)	
	Benzene, toluene, xylene, mixtures	(1)	(1)	(1)	
	<i>Rexene Products Co.</i>				
	Residual Total		(1)	(1)	
270791	Creosote oils, obtained in distilling high temperature coal tar	(1)	(1)	(1)	
27079100	Creosote oils, obtained in distilling high temperature coal tar	(1)	(1)	(1)	
	Creosote oil (Dead oil): creosote content in solution (100 Percent basis)	(1)		(1)	
	<i>Reilly Industries, Inc.</i>				
	Creosote oil (Dead oil): creosote in coal tar solution (100 Percent solution basis)	110,292	150,810	19,303	0.13
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Aristech Chemical Corp</i>				
	<i>Coopers Creek Chemical Corp.</i>				
	<i>Koppers Industries, Inc.</i>				
	<i>Reilly Industries, Inc.</i>				
	Creosote oil (Dead oil): distillate as such (100 Percent creosote basis)	241,484	149,202	23,982	0.16
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Aristech Chemical Corp</i>				
	<i>Koppers Industries, Inc.</i>				
	<i>Reilly Industries, Inc.</i>				
	Residual Total		(1)		
270799	Oils and other products of the distillation of high temperature coal tar, excluding creosote oils	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

NTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
27079910 Light oil, obtained in distilling high temperature coal tar					
	Crude light oil	(¹) 231,609	(¹) 233,941	(¹) 23,591	\$ 0.10
	Acme Steel Co.				
	Bethlehem Steel Corp.				
	Citizens Gas & Coke Utility				
	Drummond Company, Inc.				
	Empire Coke Co.				
	Guff States Steel, Inc.				
	Inland Steel Co.				
	Koppers Industries, Inc.				
	LTV Steel Co., Inc.				
	National Steel Corp., Great Lakes Div.				
	New Boston Coke Corp.				
	Tonawanda Coke Corp.				
	U.S. Steel, Div. of USX, Clairton Plant				
	U.S. Steel, Div. of USX, Gary Works				
	Wheeling Pittsburg Steel Corp.				
	Light oil distillates, all other	(¹)	(¹)		
	Lyondell Petrochemical Co.				
	Residual Total	(¹)	(¹)	(¹)	
27079930 Metacresol orthocresol, paracresol and metaparcresol, all the foregoing having a purity of 75% or more by weight					
	m-Cresol	33,838	32,247	55,598	1.72
	Merichem Co.	(¹)	(¹)	(¹)	
	p-Cresol		(¹)	(¹)	
	Merichem Co.				
	PMC Inc., PMC Specialities Group, Inc.				
	o-Cresol, from petroleum	(¹)	(¹)	(¹)	
	General Electric Co., Speciality Chemical group				
	Merichem Co.				
	(m,p)-Cresol, from petroleum	(¹)	(¹)	(¹)	
	Merichem Co.				
	Residual Total	33,838	32,247	55,598	1.72
27079950 Products of high temperature coal tar distillation and like products comprising more aromatic than nonaromatic constituents, near					
	Cresylic acid (Less than 75 percent distilling over 215° C)	(¹)	(¹)	(¹)	
	Koch Refining Co.				
	Cresylic acid, refined; from petroleum	(¹)	(¹)	(¹)	
	Merichem Co.				
	Crude tar acid oils having a tar acid content of: 5 percent to less than 24 percent	(¹)	(¹)	(¹)	
	Allied Signal, Inc., Engineered Materials Sector				
	Inland Steel Co.				
	Koppers Industries, Inc.				
	Priming and refractory oil	(¹)	(¹)	(¹)	
	Bethlehem Steel Corp.				
	Koppers Industries, Inc.				
	Xylenol crystals	(¹)	(¹)	(¹)	
	Courtaulds Aerospace				
	Xylenol, medium boiling point	(¹)	(¹)	(¹)	
	Merichem Co.				
	Xylenols, not classified as to boiling point	(¹)	(¹)	(¹)	
	General Electric Co., Speciality Chemical group				
	Residual Total	(¹)	(¹)	(¹)	
270799XX HTS Level Residual Total		(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
2708	Pitch and pitch coke, obtained from coal tar or from other mineral tars	(1)	(1)	(1)	
270810	Pitch, obtained from coal tar or from other mineral tars	(1)	(1)	(1)	
27081000	Pitch, obtained from coal tar or from other mineral tars	(1)	(1)	(1)	
	Pitch of tar: hard (M.P. 161° F and Over)	608,481	522,894	128,081	\$ 0.24
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Coopers Creek Chemical Corp.</i>				
	<i>Koppers Industries, Inc.</i>				
	<i>Reilly Industries, Inc.</i>				
	Pitch of tar: medium (M.P. 110° To 160° F)	(1)	(1)		
	<i>Aristech Chemical Corp</i>				
	<i>Coopers Creek Chemical Corp.</i>				
	<i>Reilly Industries, Inc.</i>				
	Pitch of tar: soft (M.P. 80° To 109° F.)	(1)	(1)	(1)	
	<i>Aristech Chemical Corp</i>				
	<i>Coopers Creek Chemical Corp.</i>				
	Residual Total	(1)	(1)	(1)	
270810XX	HTS Level Residual Total	(1)	(1)	(1)	
2708XX	HTS Level Residual Total	(1)	(1)	(1)	
2711	Petroleum gases and other gaseous hydrocarbons	1,314,297	617,660	158,217	0.26
271114	Ethylene, propylene, butylene and butadiene, liquefied	1,314,297	617,660	158,217	0.26
27111400	Ethylene, propylene, butylene and butadiene, liquefied	1,314,297	617,660	158,217	0.26
	Butadiene and butylene fractions	1,314,297	617,660	158,217	0.26
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Diamond Shamrock Refining & Marketing</i>				
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Quantum Chemical Corp., US! Div.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Union Texas Products Corp.</i>				
	<i>Vista Chemical Co.</i>				
27)0C	HTS Level Residual Total	(1)	(1)	(1)	
28	Inorganic chemicals; organic or inorganic compounds of precious metals, of rare earth metals, of radioactive elements or of isotopes	(1)	(1)	(1)	
2813	Sulfides of nonmetals; commercial phosphorus trisulfide	(1)	(1)	(1)	
281310	Carbon disulfide	(1)	(1)	(1)	
28131000	Carbon disulfide	(1)	(1)	(1)	
	Carbon disulfide	(1)	(1)	(1)	
	<i>Akzo Chemical, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
2833	Sulfates; alums; peroxosulfates (persulfates)	(1)	(1)	(1)	
	1,3,4-Thiadiazole, 2,5-bis(dialkyldithio) derivatives		(1)	(1)	
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
2834	Nitrites; nitrates	(1)	(1)		
283429	Nitrates, excluding nitrates of potassium or of bismuth	(1)	(1)		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
28342950	Nitrates, nesi	(1)	(1)	V/	
	Gallium nitrate	(1)	(1)	(1)	
	<i>Johnson Matthey, Materials Technology Div.</i>				
	Residual Total	(1)	(1)	(1)	
2837	Cyanides, cyanide oxides and complex cyanides	(1)	(1)	(1)	
283720	Complex cyanides	PI	(1)	(1)	
28372050	Complex cyanides, excluding potassium ferricyanide	01	(1)	(1)	
	Sodium nitroprusside	(1)	(1)	(1)	
	<i>Abbott Laboratories</i>				
	Residual Total	(1)	(1)	(1)	
2843	Colloidal precious metals; inorganic or organic compounds of precious metals, whether or not chemically defined; amalgams of precious metals	(1)	(1)	(1)	
284390	Inorganic or organic compounds of precious metals, excluding those of silver and gold; amalgams of precious metals	(1)	(1)	(1)	
28439000	Inorganic or organic compounds of precious metals, excluding those of silver and gold; amalgams of precious metals	(1)	(1)	(1)	
	Cisplatin	(1)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	<i>Johnson Matthey, Materials Technology Div.</i>				
	Residual Total	(1)	(1)	(1)	
29	Organic chemicals	136,249,770	65,157,127	40,570,647	S 0.62
2901	Acyclic hydrocarbons	36,727,362	18,605,430	5,878,593	0.32
290110	Saturated acyclic hydrocarbons	(1)	(1)	0	
29011030	n-Pentane and isopentane	(1)	(1)	(1)	
	Isopentane (2-Methylbutane)	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	<i>Phillips 66 Co.</i>				
	<i>Shell Oil Co.</i>				
	n-Pentane	(1)	(1)	(1)	
	<i>Phillips 66 Co.</i>				
	<i>Shell Oil Co.</i>				
	Residual Total	(1)	(1)	(1)	
29011040	Saturated acyclic hydrocarbons (other than ethane or butane), derived in whole or in part from petroleum, shale or natural gas	(1)	(1)	(1)	
	Di-isopropane (2,3-Dimethylbutane)	(1)	(1)	(1)	
	<i>Phillips 66 Co.</i>				
	n-Heptane	74,584	73,611	22,664	0.31
	<i>Exxon Chemical Americas</i>				
	<i>Phibro Refining</i>				
	<i>Phillips 66 Co.</i>				
	<i>Texaco Chemical Co.</i>				
	Hexane	158,814	151,594	43,015	0.28
	<i>Exxon Chemical Americas</i>				
	<i>Humphrey Chemical Co.</i>				
	<i>Phibro Refining</i>				
	<i>Phillips 66 Co.</i>				
	<i>Texaco Chemical Co.</i>				
	Isobutane (2-Methylpropane)	810,312	845,862	174,433	0.21
	<i>AMOCO Corp.</i>				
	<i>Coastal Chem, Inc.</i>				
	<i>Diamond Shamrock Refining & Marketing</i>				
	<i>Marathon Oil Co.</i>				
	<i>Mobil Oil Corp., Gas Liquids Dept.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Shell Oil Co.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29011040 —Continued					
Chemical description/Manufacturer—Continued					
	Sun Co., Inc.				
	Texaco Chemical Co.				
	Isoheptanes	(1)	(1)	(1)	
	Phillips 66 Co.				
	Isohexane	(1)	(1)	(1)	
	Phillips 66 Co.				
	Methane	(1)	(1)	(1)	
	Mobil Oil Corp., Gas Liquids Dept.				
	Shell Oil Co.				
	Neohexane (2,2-Dimethylbutane)	(1)	(1)	(1)	
	Phillips 66 Co.				
	n-Octane	(1)	(1)	(1)	
	Phibro Refining				
	Phillips 66 Co.				
	2,2,4-Trimethylpentane (Iso octane)		(1)	(1)	
	Lyondell Petrochemical Co.				
	Phillips 66 Co.				
	Residual Total		(1)	(1)	
29011060	Saturated acyclic hydrocarbons (other than ethane or butane), not derived in whole or in part from petroleum, shale α , or natural gas	(1)	(1)	(1)	
	n-Decane	(1)	(1)	(1)	
	Humphrey Chemical Co.				
	Phillips 66 Co.				
	Hexadecane	(1)	(1)	(1)	
	Humphrey Chemical Co.				
	Hydrocarbons, all other	(1)	(1)	(1)	
	Company not disclosed				
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Humphrey Chemical Co.				
	Residual Total	(1)	(1)	(1)	
290121	Ethylene	18,562,930	7,992,065	2,517,477	\$ 0.31
29012100	Ethylene	18,562,930	7,992,065	2,517,477	0.31
	Ethylene	18,562,930	7,992,065	2,517,477	0.31
	AMOCO Corp.				
	B F Goodrich Co.				
	BASF Corp (Parsippany, NJ)				
	Chevron Corp., Chevron Chemical Co.				
	Dow Chemical Co.				
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	Eastman Kodak Co., Texas Eastman Co. Div				
	Exxon Chemical Americas				
	General Electric Co., Speciality Chemical group				
	Javelina Co.				
	Koch Refining Co.				
	Lyondell Petrochemical Co.				
	Mobil Oil Corp., Petrochemicals Div.				
	Occidental Chemical corp., ED&S Div.				
	Oxy Petrochemicals, Inc.				
	Phillips 66 Co.				
	Quantum Chemical Corp., USI Div.				
	Rexene Products Co.				
	Shell Oil Co., Shell Chemical Co.				
	Sun Co., Inc.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Union Texas Products Corp.				
	Vista Chemical Co.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29012100 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Westlake Corp.</i>				
290122	Propene (Propylene)	10,623,870	6,257,086	1,797,788	S 0.29
29012200	Propene (Propylene)	10,623,870	6,257,086	1,797,788	0.29
	Propylene	10,623,870	6,257,086	1,797,788	0.29
	<i>AMOCO Corp.</i>				
	<i>Ashland Oil, Inc., Ashland Petroleum Co.</i>				
	<i>B F Goodrich Co.</i>				
	<i>BASF Corp (Parsippany, NJ)</i>				
	BP Oil Co.				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Citgo Petroleum Corp.</i>				
	<i>Citgo Refining and Chemicals, Inc.</i>				
	<i>Clark Oil & Refining Corp.</i>				
	<i>Crown Central Petroleum Corp.</i>				
	<i>Diamond Shamrock Refining & Marketing</i>				
	<i>Dow Chemical Co.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	<i>EPC Partners, Ltd.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Finn Oil & Chemical Co.</i>				
	<i>Koch Refining Co.</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Marathon Oil Co.</i>				
	<i>Mobil Oil Corp., Gas Liquids Dept.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Phibro Refining</i>				
	<i>Phillips 66</i> Co.				
	<i>Quantum Chemical Corp., USI Div.</i>				
	<i>Rexene Products Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Sun Co., Inc.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Union Texas Products Corp.</i>				
	<i>Valero Refining & Marketing Co.</i>				
290123	Butene (Butylene) and isomers thereof	(¹)	(¹)		
29012300	Butene (Butylene) and isomers thereof	(¹)	(¹)	(¹)	
	1. Butene	406,031	180,163	71,968	0.40
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Ethyl Corp.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texas petrochemicals, Corp.</i>				
	1. Butene and 2. butane; mixed	(1)		(1)	
	<i>Lyondell Petrochemical Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Isobutylene (2. Methylpropene)	431,882	256,089	105,969	0.41
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Texas petrochemicals, Corp.</i>				
	Residual Total			(¹)	
290124	Buta-1,3-diene and isoprene	1,685,850	1,573,701	519,440	0.33

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29012410	Buta 1,3 diene	1,466,237	1,390,321	456,665	\$ 0.33
	1,3-Butadiene, grade for rubber (Elastomers)	1,466,237	1,390,321	456,665	0.33
	AMOCO Corp.				
	Exxon Chemical Americas				
	Lyondell Petrochemical Co.				
	Mobil Oil Corp., Petrochemicals Div.				
	Oxy Petrochemicals, Inc.				
	Shell Oil Co., Shell Chemical Co.				
	Texaco Chemical Co.				
	Texas petrochemicals, Corp.				
29012420	Isoprene, having a purity of 95 percent or more by weight	219,613	183,380	62,774	0.34
	Isoprene (2-Methyl-1,3-butadiene)	219,613	183,380	62,774	0.34
	Chevron Corp., Chevron Chemical Co.				
	Dow Chemical Co.				
	Exxon Chemical Americas				
	Goodyear Tire & Rubber Co.				
	Lyondell Petrochemical Co.				
	Oxy Petrochemicals, Inc.				
	Shell Oil Co., Shell Chemical Co.				
290129	Unsaturated acyclic hydrocarbons, nesi	1,586,668	(1)		
29012910	Unsaturated acyclic hydrocarbons, nesi, derived in whole or in part from petroleum, shale or natural gas	1,571,193	842,619	524,240	0.62
	Acetylene (For chemical use only)	134,562	74,349	51,112	0.69
	Borden Chemical & Plastics Delaware Limited Partnership				
	Quantum Chemical Corp., US/ Div.				
	Rohm & Haas Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Allo.ocimene	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	Union Camp Corp.				
	Alpha olefins, C ₅ -C ₁₀	478,966	(1)	(1)	
	Chevron Corp., Chevron Chemical Co.				
	Ethyl Corp.				
	Shell Oil Co., Shell Chemical Co.				
	Alpha olefins, C ₁₁ and higher	427,379	212,868	144,772	0.68
	Chevron Corp., Chevron Chemical Co.				
	Ethyl Corp.				
	Shell Oil Co., Shell Chemical Co.				
	Amylenes	(1)	(1)	(1)	
	Exxon Chemical Americas				
	Di.isobutylene (Di.isobutene)	(1)		(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Texas petrochemicals, Corp.				
	Dodecene	171,825	148,420	65,938	0.44
	Atlantic Richfield Co., ARCO Chemical Co.				
	Chevron Corp., Chevron Chemical Co.				
	Coastal Refining & Marketing, Inc.				
	Exxon Chemical Americas				
	Sun Co., Inc.				
	Heptenes, mixed	(1)	(1)	(1)	
	Exxon Chemical Americas				
	Texaco Chemical Co.				
	1.Hexene	(1)	(1)	(1)	
	Phillips 66 Co.				
	Nonene (Tripropylene)	253,259	76,827	37,507	0.49
	Atlantic Richfield Co., ARCO Chemical Co.				
	Chevron Corp., Chevron Chemical Co.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29012910 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Coastal Refining & Marketing, Inc.				
	Exxon Chemical Americas				
	Kerr McGee Refining Co., Inc.				
	Texaco Chemical Co.				
	Ocimene	(1)	(1)	(1)	
	International Flavors & Fragrances, Inc.				
	1-Pentene	(1)	(1)	(1)	
	Dow Chemical Co.				
	2-Pentene	(1)	(1)	(1)	
	B F Goodrich Co.				
	Piperylene (1,3-Pentadiene)	(1)	(1)	(1)	
	Lyondell Petrochemical Co.				
	Residual Total	105,202	330,156	224,912	\$ 0.68
29012950 Unsaturated acyclic hydrocarbons, nesi, not derived in whole or in part from petroleum, shale or of natural gas					
	3,3-Dimethylbutene	(1)	(1)	(1)	
	Phillips 66 Co.				
	Hexadecene	(1)	(1)	(1)	
	Company not disclosed				
	Myrcene	(1)	(1)	(1)	
	Company not disclosed				
	SCM Corp., Glidco Organics				
	Residual Total	15,475	(1)	(1)	
290129XX HTS Level Residual Total					
2902	Cyclic hydrocarbons	(1)	(1)	(1)	
290211	Cyclohexane	1,016,856	690,109	272,915	0.40
29021100	Cyclohexane	1,016,856	690,109	272,915	0.40
	Cyclohexane	1,016,856	690,109	272,915	0.40
	Chevron Corp., Chevron Chemical Co.				
	Citgo Refining and Chemicals, Inc.				
	Phillips 66 Co.				
	Phillips Puerto Rico Core, Inc.				
	Sun Co., Inc.				
	Texaco Chemical Co.				
290219	Cydanes, cydenes and cycloterpenes, except cyclohexanes	319,618	254,534	90,154	0.35
29021900 Cydanic hydrocarbons (except cyclohexane), cydenic hydrocarbons and cydoterpenes					
	Camphene	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	Cyclohexene	(1)	(1)	(1)	
	Uniroyal Chemical Co., Inc.				
	Cyclopentane	(1)		(1)	
	Phillips 66 Co.				
	Dicyclopentadiene (includes Cyclopentadiene)	88,419	65,407	24,671	0.38
	Chemical Exchange Industries, Inc.				
	Dow Chemical Co.				
	Exxon Chemical Americas				
	Lyondell Petrochemical Co.				
	Shell Oil Co., Shell Chemical Co.				
	Velsicol Chemical Corp.				
	Ethylidene norbornene	(1)	(1)	(1)	
	Union Carbide Corp., Industrial Chemicals Div.				
	p-Mentha-1,4(8)-diene	(1)	(1)	(1)	
	Union Camp Corp.				
	dl-p-Mentha-1,8-diene (Limonene)	(1)	(1)	(1)	
	Union Camp Corp.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29021900 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	p-Menthane	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	Methylcyclohexane	(1)	(1)	(1)	
	Phillips 66 Co.				
	Methylcyclopentadiene	(1)	(1)	(1)	
	Exxon Chemical Americas				
	Methylcyclopentane	(1)	(1)	(1)	
	Oxy Petrochemicals, Inc.				
	Pinane	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	<i>a</i> -Pinene	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	Union Camp Corp.				
	<i>fl</i> -Pinene	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	Union Camp Corp.				
	Pinene, wood	(1)	(1)	(1)	
	Hercules, Inc.				
	Terpene hydrocarbons, monocyclic (Solvenol)	20,446	(1)	(1)	
	Arizona Chemical Co.				
	Hercules, Inc.				
	SCM Corp., Glidco Organics				
	Union Camp Corp.				
	Residual Total	210,753	189,127	65,483	\$ 0.35
290220	Benzene	(1)	(1)	(1)	
29022000	Benzene	(1)	(1)	(1)	
	Benzene Other	(1)			
	Kalama Chemical, Inc.				
	Quantum Chemical Corp., USI Div.				
	Vista Chemical Co.				
	Benzene High purity (98 - 100%)	5,110,290	3,525,544	1,171,698	0.33
	AMOCO Corp.				
	Amerada Hess Corp. (Hess Oil Virgin Island Corp.)				
	Ashland Oil, Inc., Ashland Petroleum Co.				
	BP Oil Co.				
	Chevron Corp., Chevron Chemical Co.				
	Citgo Petroleum Corp.				
	Citgo Refining and Chemicals, Inc.				
	Coastal Refining & Marketing, Inc.				
	Dow Chemical Co.				
	Exxon Chemical Americas				
	Fine Oil & Chemical Co.				
	Kerr McGee Refining Co., Inc.				
	Koch Refining Co.				
	Lyondell Petrochemical Co.				
	Marathon Oil Co.				
	Mobil Oil Corp., Petrochemicals Div.				
	Oxy Petrochemicals, Inc.				
	Phibro Refining				
	Phillips 66 Co.				
	Phillips Puerto Rico Core, Inc.				
	Shell Oil Co., Shell Chemical Co.				
	Sun Co., Inc.				
	Texaco Chemical Co.				
	Residual Total	(1)	(1)	(1)	
290230	Toluene	(1)	1,509,409	396,141	0.26
29023000	Toluene	(1)	1,509,409	396,141	0.26
	Toluene Other	(1)	149,017	34,473	0.23

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29023000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>General Electric Co., Speciality Chemical group</i>				
	<i>Lyondell Petrochemical Co.</i>				
	Toluene High purity (98-100%)	2,342,423	1,360,392	361,668	\$ 0.27
	<i>Amerada Hess Corp. /Hess Oil Virgin Island Corp.)</i>				
	<i>Ashland Oil, Inc., Ashland Petroleum Co.</i>				
	<i>BP Oil Co.</i>				
	<i>Citgo Refining and Chemicals, Inc.</i>				
	<i>Coastal Refining & Marketing, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Fina Oil & Chemical Co.</i>				
	<i>Kerr McGee Refining Co., Inc.</i>				
	<i>Koch Refining Co.</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Marathon Oil Co.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Phibro Refining</i>				
	<i>Phillips 66 Co.</i>				
	<i>Phillips Paraxylene, Inc.</i>				
	<i>Phillips Puerto Rico Core, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Sterling Chemicals, Inc.</i>				
	<i>Sun Co., Inc.</i>				
	<i>Texaco Chemical Co.</i>				
	Residual Total	(¹)			
290241	o-Xylene	416,240	273,677	105,315	0.38
290241	o-Xylene	416,240	273,677	105,315	0.38
29024100	o-Xylene	416,240	273,677	105,315	0.38
29024100	o-Xylene	416,240	273,677	105,315	0.38
	o-Xylene (90-100% of o-xylene isomer)	416,240	273,677	105,315	0.38
	<i>Exxon Chemical Americas</i>				
	<i>Koch Refining Co.</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Phillips Puerto Rico Core, Inc.</i>				
290242	m-Xylene	(¹)	(¹)		
290242	m-Xylene	(¹)	(¹)	(¹)	
29024200	m-Xylene	(¹)			
29024200	m-Xylene	(¹)	111	(1)	
	m-Xylene (90-100% of m-xylene isomer)	(¹)	(¹)	(¹)	
	<i>AMOCO Corp.</i>				
	<i>Phillips 66 Co.</i>				
	Residual Total	(¹)	(¹)		
290243	p-Xylene	2,565,409	1,331,181	538,748	0.40
290243	p-Xylene	2,565,409	1,331,181	538,748	0.40
29024300	p-Xylene	2,565,409	1,331,181	538,748	0.40
29024300	p-Xylene	2,565,409	1,331,181	538,748	0.40
	p-Xylene (90-100% Of p-xylene isomer)	2,565,409	1,331,181	538,748	0.40
	<i>AMOCO Corp.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Koch Refining Co.</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Phillips Paraxylene, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29024300 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
<i>Phillips Puerto Rico Core, Inc.</i>					
<i>St. Croix Petrochemical Corp.</i>					
290244	Mixed xylene isomers	(1)	(1)	(1)	
29024400	Mixed xylene isomers	(1)	(1)	(1)	
	Xylene Other	(1)	(1)	(1)	
	AMOCO Corp.				
	Xylene High purity (98-100%)	2,260,588	1,446,048	360,622	S 0.25
	AMOCO Corp.				
	<i>Amerada Hess Corp. (Hess Oil Virgin Island Corp.)</i>				
	<i>Ashland Oil, Inc., Ashland Petroleum Co.</i>				
	<i>Citgo Refining and Chemicals, Inc.</i>				
	<i>Coastal Refining & Marketing, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Fine Oil & Chemical Co.</i>				
	<i>Kerr McGee Refining Co., Inc.</i>				
	<i>Marathon Oil Co.</i>				
	<i>Phibro Refining</i>				
	<i>Phillips 66 Co.</i>				
	<i>Phillips Puerto Rico Core, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Sun Co., Inc.</i>				
	Residual Total	(1)		(1)	
290250	Styrene	4,082,245	1,701,115	917,914	0.54
29025000	Styrene	4,082,245	1,701,115	917,914	0.54
	Styrene (Vinylbenzene)	4,082,245	1,701,115	917,914	0.54
	AMOCO Corp.				
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Deltech Corporation</i>				
	<i>Dow Chemical Co.</i>				
	<i>Fine Oil & Chemical Co.</i>				
	<i>General Electric Co., Speciality Chemical group</i>				
	<i>Huntsman Chemical corp.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Rexene Products Co.</i>				
	<i>Sterling Chemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
290260	Ethylbenzene	5,038,725	112,148	43,058	0.38
29026000	Ethylbenzene	5,038,725	112,148	43,058	0.38
	Ethylbenzene	5,038,725	112,148	43,058	0.38
	AMOCO Corp.				
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Fine Oil & Chemical Co.</i>				
	<i>General Electric Co., Speciality Chemical group</i>				
	<i>Koch Refining Co.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Phibro Refining</i>				
	<i>Phillips 66 Co.</i>				
	<i>Rexene Products Co.</i>				
	<i>Sterling Chemicals, Inc.</i>				
290270	Cumene	2,116,429	1,597,522	638,561	0.40
29027000	Cumene	2,116,429	1,597,522	638,561	0.40
	Cumene (Isopropyl benzene)	2,116,429	1,597,522	638,561	0.40
	<i>Ashland Oil, Inc., Ashland Petroleum Co.</i>				
	<i>BTL Specialty Resin Corp.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29027000 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Citgo Refining and Chemicals, Inc.</i>				
	<i>Georgia Guff Corp., Houston Div.</i>				
	<i>Koch Refining Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
290290	Cyclic hydrocarbons, nesi	01			
29029020	Acenaphthene, chrysene, cymene, dimethylnaphthalenes, fluoranthene, fluorene, indene, mesitylene, and other specified cyclic hydrocarbons			(¹)	
	p-Cymene	(¹)	(¹)	(¹)	
	<i>Hercules, Inc.</i>				
	para-Cymene	(¹)	(1)	(¹)	
	<i>SCM Corp., Glidco Organics</i>				
	Methylnaphthalene	(¹)	(¹)	(¹)	
	<i>Koppers Industries, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29029030	Alkylbenzenes and polyalkylbenzenes	568,723	350,339	345,123	\$ 0.99
	Alkyl aromatics: all other	(¹)	(¹)	(¹)	
	<i>Chemical Exchange Industries, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Alkylbenzene straight-chain (Except dodecyl and tridecyl)	(¹)	(1)	(¹)	
	<i>Ethyl Corp.</i>				
	<i>Monsanto Co.</i>				
	<i>Phillips 66 Co.</i>				
	Dialkylbenzene	(¹)	(¹)	(¹)	
	<i>Vista Chemical Co.</i>				
	Diethylbenzene	(1)	CI	(¹)	
	<i>UOP, Inc.</i>				
	Diisopropylbenzene	(1)	(¹)	(¹)	
	<i>Georgia Guff Corp., Houston Div.</i>				
	1,3-Diisopropylbenzene	(¹)	V)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	1,4-Diisopropylbenzene	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	1,1-Di-3,4-xylylethane	(1)	(1)	(¹)	
	<i>Allc° Chemical Corp.</i>				
	Dodecylbenzene, straight-chain	(1)	(¹)	(¹)	
	<i>Monsanto Co.</i>				
	<i>Vista Chemical Co.</i>				
	Isobutylbenzene	(¹)	(¹)	(1)	
	<i>Ethyl Corp.</i>				
	<i>Phillips 66 Co.</i>				
	p-Methylstyrene	(1)	CI	(¹)	
	<i>Deltech Corporation</i>				
	Polyethylbenzene (80 percent diethylbenzene)	(¹)	(¹)	(¹)	
	<i>Rexene Products Co.</i>				
	1,2,4,5-Tetramethylbenzene (Durene)		(1)	(¹)	
	<i>Koch Refining Co.</i>				
	1,3,5-Trimethylbenzene (Mesitylene)	(¹)	(¹)	(¹)	
	<i>Abbott Laboratories</i>				
	1,2,4-Trimethylbenzene (Pseudocumene)	(¹)	(¹)	(¹)	
	<i>Koch Refining Co.</i>				
	Residual Total	568,723	350,339	345,123	0.99
29029050	Cyclic hydrocarbons, nesi	924,827	819,075	193,485	0.24
	All other products from petroleum and natural gas, cyclic	924,827	819,075	193,485	0.24

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29029050 — Continued					
Chemical description/Manufacturer—Continued					
AMOCO Corp.					
Ashland Oil , Inc., Ashland Petroleum Co.					
B F Goodrich Co.					
BASF Corp (Parsippany, NJ)					
Eastman Kodak Co., Texas Eastman Co. Div					
Exxon Chemical Americas					
Fina Oil & Chemical Co.					
Lyondell Petrochemical Co.					
Olin Corp. Iii, iii, viii, ix, xii, xiv, xv)					
Phibro Refining					
Rexene Products Co.					
Shell Oil Co., Shell Chemical Co.					
Texaco Chemical Co.					
Union Carbide Corp., Industrial Chemicals Div.					
Union Texas Products Corp.					
Vista Chemical Co.					
29029090	HTS Level Residual Total	59,445	47,219	60,970	\$ 1.29
	Biphenyl	(1)	(1)	(1)	
	Chevron Corp., Chevron Chemical Co.				
	Koch Refining Co.				
	Monsanto Co.				
	n-Butylbenzene	(1)	(1)	(1)	
	Phillips 66 Co.				
	p-tert-Butyltoluene	(1)	(1)	(1)	
	Givaudan Corp.				
	Cadinene	(1)	(1)	(1)	
	Givaudan Corp.				
	fl. Caryophyllene	I I	(1)	(1)	
	Fragrance Resources, Inc.				
	Givaudan Corp.				
	cyclooctadiene	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	Divinylbenzene	(1)	(1)	(1)	
	Deltech Corporation				
	Dow Chemical Co.				
	Sybron Chemicals, Inc.				
	Isobutylbiphenyl	(1)	(1)	(1)	
	Sybron Chemicals, Inc.				
	Isopropylbiphenyl	(1)	(1)		
	Sybron Chemicals, Inc.				
	l-Limonene		(1)	(1)	
	SCM Corp., Glidco Organics				
	p-Mentha-1,8-diene (Limonene)	(1)	(1)	(1)	
	Fragrance Resources, Inc.				
	International Flavors & Fragrances, Inc.				
	SCM Corp., Glidco Organics				
	p-Mentha-1,3-diene (a-Terpinene)	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	p-Mentha-1,4-diene (y-Terpinene)	(1)		(1)	
	SCM Corp., Glidco Organics				
	a-Methylstyrene	21,689	20,639	11,040	0.53
	Aristech Chemical Corp				
	BTL Specialty Resin Corp.				
	Georgia Gulf Corp., Houston Div.				
	Georgia Guff Corp., Plaquemine Div.				
	Texaco Chemical Co.				
	ar-Methylstyrene (Vinyltoluene)	(1)	(1)	(1)	
	Deltech Corporation				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29029090 — Continued					
	4-Phenyl-1-butene <i>Company not disclosed</i>	(1)		(1)	
	Terphenyl (Phenylbiphenyl) (m-,o-,and p- isomers) <i>Monsanto Co.</i>	(1)	(1)	(1)	
	1,2,3,4-Tetrahydronaphthalene (Tetralin) <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	Residual Total	37,756	26,580	49,931	\$ 1.88
290290XX	HTS Level Residual Total	(1)	(1)	(1)	
2903	Halogenated derivatives of hydrocarbons	14,619,358	5,088,195	2,309,705	0.45
290311	Chloromethane (Methyl chloride) & chloroethane (Ethyl chloride)	(1)	120,530	50,647	0.42
29031100	Chloromethane (Methyl chloride) & chloroethane (Ethyl chloride)	(1)	120,530	50,647	0.42
	Chloromethane (Methyl chloride) <i>Dow Chemical Co.</i> <i>Dow Corning Corp.</i> <i>General Electric Co., Silicone Products Div.</i> <i>Occidental Chemical corp., ED&S Div.</i> <i>Vulcan Materials Co., Chemicals Div.</i>	438,193	(1)	(1)	
	Ethyl chloride (Chloroethane) <i>Dow Chemical Co.</i> <i>PPG Industries, Inc.</i>	(1)		(1)	
	Residual Total	(1)	120,530	50,647	0.42
290312	Dichloromethane (Methylene chloride)	164,227	135,945	43,309	0.32
29031200	Dichloromethane (Methylene chloride)	164,227	135,945	43,309	0.32
	Methylene chloride (Dichloromethane) <i>Dow Chemical Co.</i> <i>Occidental Chemical corp., ED&S Div.</i> <i>Vulcan Materials Co., Chemicals Div.</i>	164,227	135,945	43,309	0.32
290313	Chloroform (Trichloromethane)	(1)	(1)	(1)	
29031300	Chloroform (Trichloromethane)	(1)	(1)	(1)	
	Chloroform <i>Dow Chemical Co.</i> <i>Occidental Chemical corp., ED&S Div.</i> <i>Vulcan Materials Co., Chemicals Div.</i>	(1)		(1)	
	Residual Total	(1)		(1)	
290313XX	HTS Level Residual Total	(1)	(1)	(1)	
290314	Carbon tetrachloride	(1)	(1)	(1)	
29031400	Carbon tetrachloride	(1)	(1)	(1)	
	Carbon tetrachloride <i>Dow Chemical Co.</i> <i>Occidental Chemical corp., ED&S Div.</i> <i>Vulcan Materials Co., Chemicals Div.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290315	1,2-Dichloroethane (Ethylene dichloride)	6,872,028	1,647,726	184,424	0.11
29031500	1,2-Dichloroethane (Ethylene dichloride)	6,872,028	1,647,726	184,424	0.11
	1,2-Dichloroethane (Ethylene dichloride) <i>B F Goodrich Co.</i> <i>Borden Chemical & Plastics Delaware Limited Partnership</i> <i>Dow Chemical Co.</i> <i>Formosa Plastics Corp. Louisiana</i> <i>Georgia Gulf Corp., Plaquemine Div.</i> <i>Occidental Chemical corp., ED&S Div.</i> <i>PPG Industries, Inc.</i> <i>Phillips 66 Co.</i> <i>Shell Oil Co., Shell Chemical Co.</i> <i>Vista Chemical Co.</i> <i>Vulcan Materials Co., Chemicals Div.</i>	6,872,028	1,647,726	184,424	0.11

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29031500 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
<i>Westlake Corp.</i>					
290319	Saturated chlorinated derivatives of acyclic hydrocarbons, nesi	479,746	431,386	213,494	S 0.49
29031910	Hexachloroethane and tetrachloroethane	111,107	136,013	34,596	0.25
	Perchloroethylene (Tetrachloroethane)	111,107	136,013	34,596	0.25
	<i>Dow Chemical Co.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Vulcan Materials Co., Chemicals Div.</i>				
29031950	Saturated chlorinated derivatives of acyclic hydrocarbons, nesi	368,638	295,374	178,897	0.61
	Chlorinated paraffins, 35-64% chlorine	36,057	35,318	25,602	0.72
	<i>Dover Chemical Corp., sub. of ICC Industries, Inc.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	<i>Occidental Chemical corp., ED&S Div.</i>				
	Chlorinated paraffins, 65% or more chlorine	(1)	(1)	(1)	
	<i>Dover Chemical Corp., sub. of ICC Industries, Inc.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	Decyl chloride	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	n-Dodecyl chloride	(1)		(1)	
	<i>Lonza, Inc.</i>				
	Hexadecyl chloride	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Iodoform	(1)	(1)	(1)	
	<i>Mallinckrodt Speciality Chemicals Co.</i>				
	Octadecyl chloride		(1)	(1)	
	<i>Lonza, Inc.</i>				
	Octyl chloride	(1)	(1)		
	<i>Lonza, Inc.</i>				
	Tetradecyl bromide	(1)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	n-Tetradecyl chloride	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	1,1,1-Trichloroethane (Methyl chloroform)	313,893	249,059	139,257	0.56
	<i>Dow Chemical Co.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Vulcan Materials Co., Chemicals Div.</i>				
	1,1,2-Trichloroethane (Vinyl trichloride)	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	Trichloronitromethane (Chloropicrin)	(1)	(1)	(1)	
	<i>Great Lakes Chemical Corp.</i>				
	<i>LCP Chemicals, Hanlin Group</i>				
	Residual Total	18,689	10,997	14,038	1.28
290321	Vinyl chloride (Chloroethylene)	5,128,844	1,818,781	493,123	0.27
29032100	Vinyl chloride (Chloroethylene)	5,128,844	1,818,781	493,123	0.27
	Vinyl chloride, monomer (Chloroethylene)	5,128,844	1,818,781	493,123	0.27
	<i>B F Goodrich Co.</i>				
	<i>Borden Chemical & Plastics Delaware Limited Partnership</i>				
	<i>Dow Chemical Co.</i>				
	<i>Formosa Plastics Corp. Louisiana</i>				
	<i>Georgia Gulf Corp., Plaquemine Div.</i>				
	<i>Occidental Chemical corp., ED&S Div.</i>				
	<i>Occidental Chemical corp., Polmers and Plastics Group</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Vista Chemical Co.</i>				
	<i>Westlake Corp.</i>				
290322	Trichloroethylene		(1)		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production		Sales		Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Kilograms	1,000 Dollars	
29032200	Trichloroethylene	(1)	(1)	(1)		
	Trichloroethylene	(1)	(1)			
	Dow Chemical Co.					
	PPG Industries, Inc.					
	Residual Total	(1)	(1)	(1)		
290329	Unsaturated chlorinated derivatives of acyclic hydrocarbons, nesi		(1)	(1)		
29032900	Unsaturated chlorinated derivatives of acyclic hydrocarbons, nesi		(1)	(1)		
	3-Chloropropene (Allyl chloride)	(1)	(1)			
	Dow Chemical Co.					
	Shell Oil Co., Shell Chemical Co.					
	1,3-Dichloropropene	(1)	(1)	(1)		
	Dow Chemical Co.					
	2,3-Dichloropropene	(1)	(1)	(1)		
	Shell Oil Co., Shell Chemical Co.					
	1,2,3-Trichloropropane	(1)	(1)	(1)		
	Dow Chemical Co.					
	Vinylidene chloride, monomer (1,1-Dichloroethylene)	(1)	(1)	(1)		
	Dow Chemical Co.					
	PPG Industries, Inc.					
	Residual Total	(1)	(1)	(1)		
290329XX	HTS Level Residual Total	(1)	(1)	(1)		
290330	Fluorinated, brominated or iodinated derivatives of acyclic hydrocarbons	(1)	(1)	(1)		
29033015	Acetylene terephthalamide; alkyl bromides; methylene dibromide; and vinyl bromide	(1)	(1)	(1)		
	Bromodocosane	(1)	(1)	(1)		
	Humphrey Chemical Co.					
	1-Bromododecane	(1)	(1)	(1)		
	Humphrey Chemical Co.					
	Bromoethane (Ethyl bromide)	(1)	(1)	(1)		
	Great Lakes Chemical Corp.					
	1-Bromohexadecane	(1)	(1)	(1)		
	Great Lakes Chemical Corp.					
	1-Bromo-octadecane	(1)	(1)	(1)		
	Humphrey Chemical Co.					
	1-Bromopentane (n-Amyl bromide)	(1)		(1)		
	Diaz Chemical Corp.					
	Great Lakes Chemical Corp.					
	Humphrey Chemical Co.					
	1,4-Dibromobutane	(1)	(1)	(1)		
	Humphrey Chemical Co.					
	2,3-Dibromobutane	(1)	(1)	(1)		
	Humphrey Chemical Co.					
	Dibromomethane (Methylene bromide)	(1)	(1)	(1)		
	Ethyl Corp.					
	Vinyl bromide (Bromoethylene)		(1)	(1)		
	Ethyl Corp.					
	Residual Total	(1)	(1)	(1)		
29033020	Fluorinated, brominated or iodinated derivatives of acyclic hydrocarbons, nesi	69,549	34,321	73,287		\$ 2.14
	1-Bromobutane (n-Butyl bromide)	(1)	252	603		2.39
	Diaz Chemical Corp.					
	Great Lakes Chemical Corp.					
	Union Carbide Corp., Industrial Chemicals Div.					
	1-Bromohexane (n-Hexyl bromide)	(1)	(1)	(1)		
	Humphrey Chemical Co.					

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29033020 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	1-Bromo-3-methyl-2-butene <i>Sterling Drug, Inc. (Barceloneta)</i>	0)	(¹)	(¹)	
	1-Bromopropane (n-Propyl bromide) <i>Diaz Chemical Corp.</i> <i>Great Lakes Chemical Corp.</i>	0)	(¹)		
	1,1-Difluoroethane <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>		(¹)	(¹)	
	Diiodomethane (Methylene iodide) <i>Deep water Iodides, Inc.</i>	(¹)	(1)	(1)	
	Ethylene dibromide <i>Great Lakes Chemical Corp.</i>	V)	(¹)	(¹)	
	Hexafluoropropylene, monomer <i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>	(¹)	(¹))	
	Iodinated (Not otherwise halogenated) hydrocarbons, all other <i>R.S.A. Corp.</i>	V)		(¹)	
	Iodobutane <i>R.S.A. Corp.</i>	(¹)	(¹)	(¹)	
	Iodoethane (Ethyl iodide), non-medical <i>Deep water Iodides, Inc.</i> <i>R.S.A. Corp.</i>	0)		1)	
	Iodomethane (Methyl iodide) <i>Deep water Iodides, Inc.</i> <i>R.S.A. Corp.</i>	V)	(¹)	(¹)	
	Methyl bromide (Bromomethane) <i>Ethyl Corp.</i> <i>Great Lakes Chemical Corp.</i>	(1)		(¹)	
	1,2,2,2-Tetrafluoroethane (F-134a) <i>Halocarbon Products Corp.</i>	(1)	(1)	(1)	
	Tetrafluoroethylene (F-1114) <i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>	(¹)	(¹)		
	Tetrafluoromethane (F-14) <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)		
	Trifluoropropene <i>Great Lakes Chemical Corp.</i>			(1)	
	Vinyl fluoride, monomer <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(¹)	(¹)	
	Vinylidene fluoride, monomer <i>Ausimont USA, Inc.</i> <i>ElfA tochem North America, Inc.</i>		(1)	(¹)	
	Residual Total	69,549	34,068	72,684	\$ 2.13
290330XX	HTS Level Residual Total		(1)	(¹)	
290340	Halogenated derivatives of acyclic hydrocarbons containing two or more different halogens	473,483	296,363	816,377	2.75
29034000	Halogenated derivatives of acyclic hydrocarbons containing two or more different halogens	473,483	296,363	816,377	2.75
	Brominated (Including bromochlorinated) hydrocarbons, all other <i>Ethyl Corp.</i> <i>Ferro Corp., Keil Chemical Div.</i> <i>Humphrey Chemical Co.</i>	(¹)	(¹)	(¹)	
	Bromochlorodifluoromethane <i>Great Lakes Chemical Corp.</i>	(¹)	0)	(¹)	
	Bromochloromethane <i>Ethyl Corp.</i>	(1)	(¹)	(¹)	
	2-Bromo-2-chloro-1,1,1-trifluoroethane (Halothane) <i>Halocarbon Products Corp.</i>	(¹)	(¹)	(¹)	
	Bromodifluoromethane		(¹)	(a1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29034000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Great Lakes Chemical Corp.				
	Bromotrifluoromethane	(¹)	4,550	20,458	\$ 4.50
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Elf A tochem North America, Inc.</i>				
	<i>Great Lakes Chemical Corp.</i>				
	1.Chloro. 1,1 difluoroethane (F- 142b)	(1)	(1)	(1)	
	<i>Ausimont USA, Inc.</i>				
	Chlorodifluoromethane (F- 22)	149,526	105,259	258,010	2.45
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Laroche Chemicals, Inc.</i>				
	2.Chloro- 1,1,1,2-tetrafluoroethane (F- 124)	(¹)	(¹)	(1)	
	<i>Company not disclosed</i>				
	Chlorotrifluoroethylene (Trifluorovinyl chloride)	(1)	(1)	(1)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	Chlorotrifluoromethane (F- 13)	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Great Lakes Chemical Corp.</i>				
	Dibromodifluoromethane	(¹)	(1)	(1)	
	<i>Great Lakes Chemical Corp.</i>				
	Dichlorodifluoromethane (F- 12)	73,887	88,419	249,559	2.82
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Laroche Chemicals, Inc.</i>				
	1,1-Dichloro-1-fluoroethane (1-41b)	19	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Dichlorotetrafluoroethane (F- 114)	(¹)	(¹)	(¹)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Dichloro-trifluoroethane (F-123)	(¹)	(¹)	(¹)	
	<i>Halocarbon Products Corp.</i>				
	Fluorinated (Including other fluorohalogenated) hydrocarbons, all other	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Halocarbon Products Corp.</i>				
	<i>Regis Chemical Co.</i>				
	1-Iodoperfluorohexane	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	Trichlorofluoromethane (F- 11)	126,266	53,379	107,991	2.02
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Laroche Chemicals, Inc.</i>				
	Trichlorotrifluoroethane (F- 113)	(1)	(1)	(1)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Residual Total	123,804	44,756	179,585	4.01
290359	Halogenated derivatives of cyclanic, cyclenic or cydoterpenic hydrocarbons, nesi	(1)	19,705	60,533	3.07
29035910	Halogenated pesticides derived in whole or in part from benzene or other aromatic hydrocarbon, nesi	(1)	(1)	(1)	
	Bis(pentachloro-2,4-dicyclopentadien-1-yl)	(1)	(1)	(1)	
	<i>Sandoz Crop Protection (zefirdl)</i>				
	Heptachloro-tetrahydro-endo-methanoidene (Heptachlor)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29036910 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Velsicol Chemical Corp.</i>				
	Octachlorohexahydro-4,7-methanoindene (Chlordan)	(1)	(¹)	(1)	
	<i>Velsicol Chemical Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29035915	Halogenated products derived in whole or in part from benzene or other aromatic hydrocarbon, described in additional U.S. note 3 to sec. VI	(1)	(¹)	(¹)	
	Dibromostyrene	(1)	(1)	(1)	
	<i>Great Lakes Chemical Corp.</i>				
	a,a,a-Trichlorotoluene (Benzotrachloride)	(9)	(¹)	(¹)	
	<i>Occidental Chemical corp., ED&S Div.</i>				
	<i>Velsicol Chemical Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29035920	Halogenated derivatives derived in whole or in part from benzene or other aromatic hydrocarbon, nesi	(¹)	(1)	(¹)	
	1,2-Dibromo-4-(1,2-dibromoethyl) cyclohexane	(1)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29035930	Chlorinated, but not otherwise halogenated derivatives of cyclanic, cyclonic or cydoterpenic hydrocarbons, nesi	(¹)	(¹)	(¹)	
	Hexachlorocyclopentadiene	(¹)	(¹)	(¹)	
	<i>Velsicol Chemical Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29035950	Halogenated derivatives of cyclonic, cyclenic or cycloterpenic hydrocarbons, nesi	(¹)	PI	(¹)	
	Hexabromocyclododecane	(1)	(1)	(1)	
	<i>Great Lakes Chemical Corp.</i>				
	Hexabromocyclododecane	(1)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	Residual Total	(1)	(1)	(¹)	
290359XX	HTS Level Residual Total	24,014	19,705	60,533	\$ 3.07
290361	Chlorobenzene, o-dichlorobenzene and p-dichlorobenzene	147,915	73,431	58,722	0.80
29036110	Chlorobenzene	105,176	27,186	19,993	0.74
	Chlorobenzene, mono	105,176	27,186	19,993	0.74
	<i>Monsanto Co.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Standard Chlorine of Delaware, Inc.</i>				
29036120	o-Dichlorobenzene	15,445	17,337	13,478	0.78
	o-Dichlorobenzene	15,445	17,337	13,478	0.78
	<i>Monsanto Co.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Specialty Organics, Inc.</i>				
	<i>Standard Chlorine of Delaware, Inc.</i>				
29036130	p-Dichlorobenzene	27,294	28,908	25,251	0.87
	p-Dichlorobenzene	27,294	28,908	25,251	0.87
	<i>Monsanto Co.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Specialty Organics, Inc.</i>				
	<i>Standard Chlorine of Delaware, Inc.</i>				
290362	Hexachlorobenzene and DDT 11,1,1-Trichloro-2,2-bis(p-chlorophenyl) ethane)	19	(¹)	(¹)	
29036200	Hexachlorobenzene and DDT (1,1,1-Trichloro-2,2-bis(p-cNorphenyl) ethane)	(¹)	(¹)	(¹)	
	1,2,4-Trichlorobenzene	(¹)	(1)	(1)	
	<i>Standard Chlorine of Delaware, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29036200 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	1,2,3 (and 1,2,4)-Trichlorobenzene PPG Industries, Inc. Standard Chlorine of Delaware, Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290369	Halogenated derivatives of aromatic hydrocarbons, nesi	64,790	35,739	79,445	\$ 2.22
29036910	m-Dichlorobenzene; 1,1-dichloro-2,2-bis(p-ethylphenyl)ethane; and trichlorobenzenes	(1)	(1)	(1)	
	m-Dichlorobenzene Monsanto Co.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29036920	Benzyl chloride (alpha-Chlorotoluene); benzotrichloride (alpha, alpha, alpha-trichlorotoluene)	(1)	(1)	(1)	
	a-Chlorotoluene (Benzyl chloride) Monsanto Co.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29036930	Pesticides made of halogenated derivatives of aromatic hydrocarbons	(1)	(1)	(1)	
	1,1,1-Trichloro-2,2-bis(p-methoxyphenyl)ethane (Methoxychlor) Kincaid enterprises, Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29036960	Halogenated derivatives of aromatic hydrocarbons, nesi	(1)	(1)	(1)	
	Bromobenzene, mono Diaz Chemical Corp.	(1)	(1)	(1)	
	Bromochlorobenzene Diaz Chemical Corp.	(1)	(1)	(1)	
	Bromoethylbenzene Great Lakes Chemical Corp.	(1)	(1)	(1)	
	p-Bromofluorobenzene Company not disclosed	(1)	(1)	(1)	
	2-Bromofluorobenzene Diaz Chemical Corp.	(1)	(1)	(1)	
	3-Bromofluorobenzene Diaz Chemical Corp.	(1)	(1)	(1)	
	Decabromodiphenyl ether (DBDP) Ethyl Corp. Great Lakes Chemical Corp.	(1)	(1)	(1)	
	m-Dibromobenzene Diaz Chemical Corp.	(1)	(1)	(1)	
	p-Dibromobenzene Diaz Chemical Corp.	(1)	(1)	(1)	
	(1,2-Dibromoethyl)benzene Diaz Chemical Corp.	(1)	(1)	(1)	
	Dibromofluorobenzene, mixed isomers Diaz Chemical Corp.	(1)	(1)	(1)	
	3,4-Dichlorobenzotrifluoride Company not disclosed Occidental Chemical corp., ED&S Div.	(1)	(1)	(1)	
	3,3'-Dichloro-4,4'-biphenyl Lomac, Inc.	(1)	(1)	(1)	
	p-Iodotoluene R.S.A. Corp.	(1)	(1)	(1)	
	Mitotane Company not disclosed	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
290369XX	HTS Level Residual Total	64,790	35,739	79,445	2.22
2903XX	HTS Level Residual Total	710,591	205,387	229,922	1.12
2904	Sulfonated, nitrated or nitrosated derivatives of hydrocarbons, whether or not halogenated	(1)	(1)	(1)	
290410	Derivatives of hydrocarbons containing only sulfo groups, their salts and ethyl esters	(1)	(1)	(1)	
29041032	HTS Level Residual Total	4,354	3,889	4,235	1.09
	Thiodiphenol	(1)	(1)	(1)	
	James River II, Inc.				
	p-Toluenesulfonic acid		(1)	(1)	
	Ruetgers Nease Chemical Co.				
	Sloss Industries				
	p-Toluenesulfonic acid, aniline salt	(1)	(1)	(1)	
	Ruetgers Nease Chemical Co.				
	p-Toluenesulfonic acid, copper salt	(1)	(1)	(1)	
	Ruetgers Nease Chemical Co.				
	p-Toluenesulfonic acid monohydrate	(1)	(1)		
	Bit Manufacturing, Inc.				
	7,7'-Ureylenebis[4-hydroxy-2-naphthalenesulfonic acid] (J-Acid urea)	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Residual Total	4,354	3,889	4,235	1.09
29041037	HTS Level Residual Total	(1)	251,959	179,449	0.71
	Benzenesulfonic acid	(1)	(1)	(1)	
	Sloss Industries				
	Benzenesulfonyl chloride	(1)	(1)	(1)	
	Sloss Industries				
	Butyl-naphthalenesulfonic acid, sodium salt	(1)	(1)	(1)	
	Henkel Corp.				
	Cumenesulfonic acid, ammonium salt		(1)	(1)	
	Stepan Co.				
	Cumenesulfonic acid, sodium salt	(1)	(1)	(1)	
	Stepan Co.				
	N-(1,2-Dicarboxyethyl)-N-octadecylsulfosuccinamic acid, tetrasodium salt	(1)	(1)		
	Cytec Industries				
	Mona Industries, Inc.				
	Didodecylbenzenesulfonic acid, sodium salt	(1)	(1)	(1)	
	Exxon Chemical Americas				
	Diisopropyl-naphthalenesulfonic acid, sodium salt	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Henkel Corp.				
	Diphenylsulfone sulfonic acid, potassium salt	(1)	(1)	(1)	
	Sloss Industries				
	Dodecylbenzene sulfonates, all other	81	(1)		
	BASF Corp (Parsippany, NJ)				
	Company not disclosed				
	Exxon Chemical Americas				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Dodecylbenzenesulfonic acid	190,126	106,338	76,045	0.72
	Bit Manufacturing, Inc.				
	Company not disclosed				
	Ethyl Corp.				
	Exxon Chemical Americas				
	Lever Brothers co				
	Pilot Chemical Co.				
	Safeway, Inc.				
	Stepan Co.				
	Vista Chemical Co.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29041037 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Witco Corp.</i>				
	Dodecylbenzenesulfonic acid, ammonium salt <i>Company not disclosed</i> <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Dodecylbenzenesulfonic acid, calcium salt <i>Company not disclosed</i> <i>Harcros Chemicals, Inc.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Rohm & Haas Co.</i> <i>Stepan Co.</i> <i>Witco Corp.</i>	1,959	1,697	6,131	\$ 3.61
	Dodecylbenzenesulfonic acid, potassium salt <i>Company not disclosed</i> <i>Essential Industries, Inc.</i> <i>Leatex Chemical Co.</i>	14	(¹)	(¹)	
	Dodecylbenzenesulfonic acid, sodium salt <i>Astor Products, Inc., Blue Arrow Div.</i> <i>Bit Manufacturing, Inc.</i> <i>Boehme Filatex., Inc.</i> <i>Burlington Industries</i> <i>Dow Chemical Co.</i> <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>Eastern Color & Chemical Co.</i> <i>Grant Industries, Inc.</i> <i>JTM Products, Inc.</i> <i>Leatex Chemical Co.</i> <i>Lever Brothers co</i> PPG Industries, Inc. <i>Piedmont Chemical Industries, Inc.</i> <i>Pilot Chemical Co.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Rhone Poulenc, Inc.</i> <i>Ruetgers Neese Chemical Co.</i> <i>Stepan Co.</i> <i>Vista Chemical Co.</i> <i>Witco Corp.</i>	234,862	28,147	42,761	1.52
	Methylnaphthalenesulfonic acid, sodium salt <i>Grant Industries, Inc.</i>	(¹)	(¹)		
	[Mono-(C ₁₀ dalkyl derivatives) benzenesulfonic acid, ammonium salt <i>Company not disclosed</i>		(¹)	(¹)	
	Naphthalenesulfonic acid, bis(1-methylethyl)-, compounded with cyclohexanamine (1:1) <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Naphthalene sulfonic acid, sodium salt, formaldehyde condensate <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Oleamidulosuccinamic acid, disodium salt <i>Scher Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	N-(01eoyloxyisopropyl)sulfosuccinamic acid <i>Finetex, Inc.</i> <i>Witco Corp.</i>		(¹)	(¹)	
	Oxirane, methyl-, polymer with oxirane, didodecylbenzenesulfonate <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Sodium trichlorobenzenesulfate <i>Dow Chemical Co.</i>	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29041037 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sloss Industries</i>				
	Toluenesulfonic acid, sodium salt <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>	(¹)	(1)	(1)	
	Toluene xylene sulfonic acid <i>Witco Corp.</i>	(1)	(1)	(1)	
	Tridecylbenzenesulfonic acid <i>Stepan Co.</i>	(1)	(1)	(1)	
	Tridecylbenzenesulfonic acid, sodium salt <i>Astor Products, Inc., Blue Arrow Div.</i> <i>Colgate Palmolive Co.</i> <i>Grant Industries, Inc.</i> <i>Stepan Co.</i>	7,015	(1)	(1)	
	2,4-Xylenesulfonic acid <i>Sloss Industries</i>	(1)	(1)	(1)	
	Xylenesulfonic acid, ammonium salt <i>Stepan Co.</i>	(1)	(¹)	(1)	
	Xylenesulfonic acid, mixed isomers <i>Ruetgers Nease Chemical Co.</i>	(1)	(1)	(1)	
	Xylenesulfonic acid, sodium salt <i>Henkel Corp.</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Pilot Chemical Co.</i> <i>Sandoz Chemicals Corp. (Mt. Holly)</i> <i>Shell Oil Co., Shell Chemical Co.</i> <i>Stepan Co.</i> <i>Witco Corp.</i>	27,263	(¹)	(9)	
	Residual Total	(1)	115,777	39,637	\$ 0.34
29041050	Nonaromatic derivatives of hydrocarbons containing only sulfo groups, that salts and ethyl esters, nesi	(1)	(1)	(1)	
	3-Allyloxy-2-hydroxypropane sulfonic acid, sodium salt <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(¹)	
	Methanesulfonic acid <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(¹)	
	Methanesulfonyl chloride <i>Elf Atochem North America, Inc.</i>	(¹)	(1)	(¹)	
	Pinene, sulfate <i>Arizona Chemical Co.</i> <i>Hercules, Inc.</i>	(¹)	(1)	(1)	
	Residual Total	(¹)	(¹)	(9)	
290420	Derivatives of hydrocarbons containing only nitro or only nitroso groups	832,757	224,444	122,624	0.55
29042010	p-Nitrotoluene	(¹)	(¹)	(¹)	
	p-Nitrotoluene <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>First Chemical Corp</i>	(¹)	(1)	(1)	
	Residual Total	(¹)	(¹)	(¹)	
29042035	Nitrated benzene, nitrated toluene (except p-nitrotoluene) or nitrated naphthalene	758,527	(¹)	(¹)	
	m-Dinitrobenzene <i>First Chemical Corp</i>	(¹)	(1)	(1)	
	2,4-Dinitrotoluene <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(¹)	(¹)	
	2,4(and 2,6)-Dinitrotoluene <i>Company not disclosed</i> <i>Rubicon, Inc. (sec iii)</i>	(¹)	(1)	(1)	
	Nitrobenzene	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29042035 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	First Chemical Corp				
	ICI Americas, Inc., Polyurethanes Group				
	Rubicon, Inc. (sec iii)				
	m-Nitrotoluene	(1)		(¹)	
	First Chemical Corp				
	o-Nitrotoluene		(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	First Chemical Corp				
	Residual Total	758,527	(¹)	(¹)	
29042040	Aromatic derivatives of hydrocarbons containing only nitro or only nitroso groups, described in additional U.S. note 3 to section VI	(1)			
	Cumenesulfonic acid, ammonium salt	(1)	(¹)	(¹)	
	Ruetgers Nease Chemical Co.				
	Cumenesulfonic acid, sodium salt	(¹)	(¹)	(¹)	
	Ruetgers Nease Chemical Co.				
	p-Dinitrosobenzene	(¹)	(¹)	(¹)	
	Lord Corp., Chemical Products Div.				
	Toluenesulfonic acid, potassium salt	(¹)	(¹)	(¹)	
	Ruetgers Nease Chemical Co.				
	Toluenesulfonic acid, sodium salt	(¹)	(1)	(1)	
	Ruetgers Nease Chemical Co.				
	Residual Total	(1)	(1)	(1)	
29042045	Aromatic derivatives of hydrocarbons containing only nitro or only nitroso groups, nesi			(¹)	
	p-Chlorobenzenesulfonic acid	(1)	(1)	(1)	
	Sloss Industries				
	Nitrotoluene mixtures	(¹)	(¹)	(¹)	
	First Chemical Corp				
	Xylenesulfonic acid, ammonium salt	(1)	(1)		
	Ruetgers Nease Chemical Co.				
	Xylenesulfonic acid, sodium salt	(¹)	(1)	(1)	
	Ruetgers Nease Chemical Co.				
	Residual Total	(1)	(¹)	(¹)	
29042050	Nonaromatic derivatives of hydrocarbons containing only nitro or only nitroso groups, nesi			(¹)	
	Nitroethane	(1)		(1)	
	Angus Chemical Co.				
	W R Grace & Co., Organic Chemicals Div., Nitroparaffins				
	Nitromethane	(t)	(1)	(1)	
	Angus Chemical Co.				
	W R Grace & Co., Organic Chemicals Div., Nitroparaffins				
	1-Nitropropane	(1)	(1)		
	Angus Chemical Co.				
	W R Grace & Co., Organic Chemicals Div., Nitroparaffins				
	2-Nitropropane	(1)	(1)		
	Angus Chemical Co.				
	W R Grace & Co., Organic Chemicals Div., Nitroparaffins				
	Residual Total	(1)		(1)	
290420XX	HTS Level Residual Total	74,231	224,444	122,624	\$ 0.55
	Hexadecanolide	(1)	(¹)	(¹)	
	International Flavors & Fragrances, Inc.				
	Residual Total	(1)	(1)	(1)	
290490	Sulfonated, nitrated or nitrosated derivatives of hydrocarbons, nesi	(1)			
29049004	o- and p-Nitrochlorobenzenes	(¹)	(¹)	(¹)	
	1-Chloro-2-nitrobenzene (Chloro-o-nitrobenzene)		(1)	(1)	
	EL Dupont de Nemours & Co., Inc., Chems & Pigments				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29049004 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Monsanto Co.</i>				
	1-Chloro-4-nitrobenzene (Chloro-p-nitrobenzene)	(¹)	(1)	(¹)	
	<i>Monsanto Co.</i>				
	Residual Total	(¹)	(1)	(1)	
29049040	Aromatic sulfonated, nitrated or nitrosated derivatives of hydrocarbons nesi, described in additional U.S. note 3 to section VI	(1)	(1)	(1)	
	Trichlorophenylsilane	(1)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29049047	Aromatic sulfonated, nitrated or nitrosated derivatives of hydrocarbons, nesi	6,712	949	16,356	\$ 17.23
	ft. Bromo-fl. nitrostyrene	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	1-Chloro-2,4-dinitrobenzene (Dinitrochlorobenzene)	(1)	(1)	(¹)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	4-Chloro-3,5-dinitrobenzenesulfonic acid, potassium salt	(1)	(¹)	(¹)	
	<i>Lomac, Inc.</i>				
	4-Chloro-3-nitrobenzotrifluoride	(¹)	(1)	(1)	
	<i>Diaz Chemical Corp.</i>				
	2,4-Dichloro-5-nitrotrifluoromethylbenzene	(¹)	(¹)	(¹)	
	<i>Diaz Chemical Corp.</i>				
	2,4-Dinitrobenzenesulfonic acid, sodium salt	(1)	(1)	(¹)	
	<i>Eastman Kodak Co.</i>				
	Pentachloronitrobenzene (PCNB)	(¹)	(¹)	(¹)	
	<i>Amvac Chemical Corp.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	6,712	949	16,356	17.23
29049050	Nonaromatic sulfonated, nitrated or nitrosated derivatives of hydrocarbons nesi	(1)	(1)	(1)	
	p-Fluoronitrobenzene	(1)	(1)	(1)	
	<i>Diaz Chemical Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
2905	Acyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives	11,859,137	7,356,284	3,564,825	0.48
290511	Methanol (Methyl alcohol)	3,666,060	2,432,557	302,140	0.12
29051120	Methanol (Methyl alcohol), other than imported only for use in producing synthetic natural gas (SNG) or for direct use as fuel	3,666,060	2,432,557	302,140	0.12
	Methanol, synthetic	3,666,060	2,432,557	302,140	0.12
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Borden Chemical & Plastics Delaware Limited Partnership</i>				
	<i>Coastal Chem, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>El. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Enron Methanol Co.</i>				
	<i>Georgia Gulf Corp., Plaquemine Div.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	<i>Hoechst Celanese Corp., Fibers Industrial Div.</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Quantum Chemical Corp., USI Div.</i>				
	<i>Texaco Chemical Co.</i>				
290512	Propan-1-ol (Propyl alcohol) and propan-2-ol (Isopropyl alcohol)	663,588	546,059	205,646	0.38
29051200	Propan-1-ol (Propyl alcohol) and propan-2-ol (Isopropyl alcohol)	663,588	546,059	205,646	0.38

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 29061200 — Continued</i>					
	Isopropyl alcohol <i>Atlantic Richfield Co., ARCO Chemical Co. Exxon Chemical Americas Lyondell Petrochemical Co. Shell Oil Co., Shell Chemical Co. Union Carbide Corp., Industrial Chemicals Div.</i>	583,637	497,172	167,222	\$ 0.34
	Propyl alcohol (Propanol) <i>Atlantic Richfield Co., ARCO Chemical Co. Eastman Kodak Co., Texas Eastman Co. Div Hoechst Celanese Corp., Chemical Group, Inc. (xv) Union Carbide Corp., Industrial Chemicals Div.</i>	79,951	48,887	38,425	0.79
290613	Butan-1-ol (n-Butyl alcohol)	580,060	322,205	168,798	0.52
29051300	Butan-1-ol In-Butyl alcohol)	580,060	322,205	168,798	0.52
	n-Butyl alcohol (n-Propylcarbinol) <i>BASF Corp (Parsippany, NJ) Chemical Exchange Industries, Inc. Eastman Kodak Co., Texas Eastman Co. Div Hoechst Celanese Corp., Chemical Group, Inc. (xv) ISP Chemicals, Inc. Shell Oil Co., Shell Chemical Co. Union Carbide Corp., Industrial Chemicals Div. Vista Chemical Co.</i>	580,060	322,205	168,798	0.52
290614	Butanols, except butan-1-ol	()	()	V)	
29051400	Butanols, except butan-1-ol	()	()	()	
	Aluminum tri-sec. butoxide <i>Chattam, Inc.</i>	()	()	()	
	sec-Butyl alcohol (Methylethylcarbinol) <i>Exxon Chemical Americas Shell Oil Co., Shell Chemical Co.</i>	()	()	()	
	tert-Butyl alcohol (Trimethylcarbinol) <i>Atlantic Richfield Co., ARCO Chemical Co.</i>	()	V)	()	
	Isobutyl alcohol (Isopropylcarbinol) <i>BASF Corp (Parsippany, NJ) CPS Chemical Co., Inc. Eastman Kodak Co., Texas Eastman Co. Div Hoechst Celanese Corp., Chemical Group, Inc. (xv) Shell Oil Co., Shell Chemical Co. Union Carbide Corp., Industrial Chemicals Div.</i>	60,292	51,687	27,524	0.53
	Residual Total	()	()	()	
290514)0(HTS Level Residual Total	V)	()	()	
290515	Pentanol (Amyl alcohol) and isomers thereof	V)	()	()	
29051500	Pentanol (Amyl alcohol) and isomers thereof	()	()	()	
	2-Methyl-1-butanol <i>Union Carbide Corp., Industrial Chemicals Div.</i>	()	()	()	
	3-Methyl-1-butanol (Isoamyl alcohol) <i>CPS Chemical Co., Inc.</i>	()	()	()	
	1-Pentanol <i>Union Carbide Corp., Industrial Chemicals Div.</i>	V)	()	()	
	Residual Total	()	()	()	
290516	Octanol (Octyl alcohol) and isomers thereof	()	()	()	
29051600	Octanol (Octyl alcohol) and isomers thereof	()	()	V)	
	2-Ethyl-1-hexanol <i>Aristech Chemical Corp BASF Corp (Parsippany, NJ) Eastman Kodak Co., Texas Eastman Co. Div Shell Oil Co., Shell Chemical Co. Union Carbide Corp., Industrial Chemicals Div.</i>	313,761	167,551	115,885	0.69

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29061600 —Continued					
	Iso-octyl alcohol <i>Exxon Chemical Americas</i>	C)		CI	
	1-Octanol <i>Ethyl Corp.</i> <i>Vista Chemical Co.</i>	C)	(¹)	(¹)	
	2-Octanol (sec-Capryl alcohol) <i>Union Camp Corp., Chemical Div.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
290517	Dodecan-1-ol (Lauryl alcohol), hexadecan-1-ol (Cetyl alcohol), octadecan-1-ol (Stearyl alcohol)	(¹)	(⁰)	(⁰)	
29051700	Dodecan-1-ol (Lauryl alcohol), hexadecan-1-ol (Cetyl alcohol), octadecan-1-ol (Stearyl alcohol)	(¹)	(⁰)	(¹)	
	Dodecyl alcohol (Lauryl alcohol) <i>Ethyl Corp.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Vista Chemical Co.</i>	C)	3,284	5,700	\$ 1.74
	1-Hexadecanol (Cetyl alcohol) <i>Ethyl Corp.</i> <i>Exxon Chemical Americas</i> <i>Henkel Corp.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Vista Chemical Co.</i>	C)	(¹)	(¹)	
	Isooctadecanol <i>Sherex Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	1-Octadecanol (Stearyl alcohol) <i>Ethyl Corp.</i> <i>Exxon Chemical Americas</i> <i>Henkel Corp.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Vista Chemical Co.</i>	(¹)	(¹)	(¹)	
	Residual Total	C)	(¹)	CI	
290519	Saturated monohydric alcohols, nesi	367,420	123,666	152,562	1.23
29051900	Saturated monohydric alcohols, nesi	367,420	123,666	152,562	1.23
	Alcohols, unmixed C12 or higher, all other <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Eastman Kodak Co., Texas Eastman Co. Div.</i>		(¹)	(¹)	
	Alcohols, unmixed C ₁₁ or lower, all other) <i>Shell Oil Co., Shell Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(¹)	(¹)	
	1-Decanol <i>Ethyl Corp.</i> <i>Vista Chemical Co.</i>	(¹)		(¹)	
	Dihydro terpineol <i>SCM Corp., Glidco Organics</i>	C)	(¹)		
	2,2-Dimethylbutanol (Isohexyl alcohol) <i>Exxon Chemical Americas</i>		(¹)	(¹)	
	3,7-Dimethyl-trans-2,6-octadien-1-ol (Geraniol) <i>Elan Chemical Co.</i> <i>Givaudan Corp.</i> <i>SCM Corp., Glidco Organics</i> <i>Union Camp Corp.</i>	(¹)	(¹)	(¹)	
	3,7-Dimethyl-1,6-octadien-3-ol (Linalool) (Linalyl alcohol) <i>Elan Chemical Co.</i> <i>International Flavors & fragrances, Inc.</i> <i>SCM Corp., Glidco Organics</i>	(¹)		(¹)	
	3,7-Dimethyl-cis-2,6-octadien-1-ol (Nerol) <i>Givaudan Corp.</i>	(¹)			

See endnotes at and of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29061900 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	SCM Corp., Glidco Organics Union Camp Corp.				
	3,7-Dimethyl-1-3-octanol SCM Corp., Glidco Organics Union Camp Corp.	(1)	(1)	(1)	
	3,7-Dimethyloctanol-1 (Tetrahydrogeraniol) Company not disclosed Givaudan Corp. International Flavors & Fragrances, Inc. SCM Corp., Glidco Organics	241	74	624	\$ 8.43
	Eicosyl alcohol (Arachidyl alcohol; i.e., 20-carbon) Exxon Chemical Americas	(1)	(1)	(1)	
	n-Hexyl alcohol Ethyl Corp. Vista Chemical Co.	(1)	(1)	(1)	
	Hexyl nitrate E.I. Dupont de Nemours & Co., Inc., Chems & Pigments	(1)	(1)	(1)	
	2-(Hydroxymethyl)ethanol Troy Chemical Corp.	(1)	(1)	(1)	
	Isodecyl alcohol Exxon Chemical Americas	(1)	(1)	(1)	
	Isoheptyl alcohol Exxon Chemical Americas	(1)		(1)	
	Isohexadecyl alcohol (Isocetyl alcohol) ISP Van Dyk, Inc.	(1)	(1)	(1)	
	Isononyl alcohol Exxon Chemical Americas	(1)	(1)	(1)	
	Iso-octadecyl alcohol Witco Corp.	(1)	(1)	(1)	
	Magnesium methylate Specialty Organics, Inc.	(1)	(1)	(1)	
	2-Methyl-1-pentanol Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	4-Methyl-2-pentanol (1-Methylisobutylcarbinol) Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	Potassium 2-methyl-2-butanol Company not disclosed	(1)	(1)	(1)	
	Sodium methoxide (Sodium methylate) Occidental Chemical corp., ED&S Div. Olin Corp. (viii, ix, xii, xiv, xv)	(1)	(1)	(1)	
	Sodium tetradecyl sulfate Johnson Matthey, Materials Technology Div.	(1)	(1)	(1)	
	1-Tetradecanol (Myristyl alcohol) Procter & Gamble Co., Procter & Gamble Mfg. Co. Vista Chemical Co.	(1)	(1)	(1)	
	Tetrahydromyrcenol SCM Corp., Glidco Organics	(1)	(1)	(1)	
	1-Tridecanol Exxon Chemical Americas		(1)	(1)	
	Undecanol (Linear C ₁₁ alcohol) Exxon Chemical Americas	(1)	(1)	(1)	
	Residual Total	367,179	123,592	151,939	1.23
290621	Allyl alcohol	(1)	(1)	(1)	
29052100	Allyl alcohol	(1)	(1)	(1)	
	Allyl alcohol Atlantic Richfield Co., ARCO Chemical Co.		(1)	(1)	
	Residual Total	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
290522	Acyclic terpene alcohols	(¹)	(¹)	01	
29052250	Acyclic terpene alcohols, other than geraniol and isophytol	(¹)	(¹)	(¹)	
	Dihydrolinalool	(1)	(C)	(1)	
	SCM Corp., Glidco Organics				
	Dihydro myrcenol	(C)	(C)	(1)	
	SCM Corp., Glidco Organics				
	3,7-Dimethyl-6-octen-1-ol (Citronellol)	1,533	(¹)		
	Elan Chemical Co.				
	Givaudan Corp.				
	International Flavors & fragrances, Inc.				
	SCM Corp., Glidco Organics				
	Union Camp Corp.				
	3,7-Dimethyl-7-octenol 70%, 6-octenol isomer 30%	(C)	(C)	(¹)	
	Givaudan Corp.				
	Ethyl trimethyl cyclopentenyl buterol	(C)	(1)	(¹)	
	International flavors & Fragrances, Inc.				
	Rhodinol	(¹)	(¹)	(¹)	
	Givaudan Corp.				
	International Flavors & Fragrances, Inc.				
	Residual Total		(¹)		
290522XX	HTS Level Residual Total		(¹)	(¹)	
290529	Unsaturated monohydric alcohols, other than allyl alcohol or acyclic terpene alcohols	(¹)	(0)	(¹)	
29052900	Unsaturated monohydric alcohols, other than allyl alcohol or acyclic terpene alcohols	(1)	(1)	(¹)	
	Amyl vinyl carbinol	(¹)	(¹)	01	
	Poly Organix, Inc.				
	2-Propyn-1-ol (Propargyl alcohol)	(¹)		01	
	ISP Chemicals, Inc.				
	5-(2,2,3-Trimethyl(cyclopent-3-en-1-yl)-3-methylpentan-2-ol	(¹)	(¹)	(¹)	
	Givaudan Corp.				
	Residual Total	(¹)	(¹)	(¹)	
290531	Ethylene glycol (Ethanediol)	2,326,153	2,168,217	876,959	\$ 0.40
29053100	Ethylene glycol (Ethanediol)	2,326,153	2,168,217	876,959	0.40
	Ethylene glycol	2,326,153	2,168,217	876,959	0.40
	BASF Corp (Parsippany, NJ)				
	Chemical Exchange Industries, Inc.				
	Dow Chemical Co.				
	Eastman Kodak Co., Texas Eastman Co. Div				
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Oxy Petrochemicals, Inc.				
	P D Glycol				
	Phillips 66 Co.				
	Quantum Chemical Corp., USI Div.				
	Shell Oil Co., Shell Chemical Co.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
290532	Propylene glycol (Propane-1,2-diol)	(¹)	231,086	211,863	0.92
29053200	Propylene glycol (Propane-1,2-diol)	(¹)	231,086	211,863	0.92
	Propylene glycol (1,2-Propanediol)	(¹)	231,086	211,863	0.92
	Atlantic Richfield Co., ARCO Chemical Co.				
	Dow Chemical Co.				
	Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)				
	Phillips 66 Co.				
	Texaco Chemical Co.				
	Residual Total				
290632XX	HTS Level Residual Total				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
290639	Diols excluded ethylene glycol or propylene glycol	(¹)		(¹)	
29053910	Butylene glycol	(¹)	(¹)		
	1,4-Butanediol	251,287	56,847	71,099	\$ 1.25
	Atlantic Richfield Co., ARCO Chemical Co. BASF Corp (Parsippany, NJ) El. Dupont de Nemours & Co., Inc., Chems & Pigments ISP Chemicals, Inc.				
	1,2(and 1,3)-Butanediol	(¹)	(¹)	(¹)	
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Residual Total	CI	(¹)	(¹)	
29053920	Neopentyl glycol	(¹)	(¹)	(¹)	
	2,2-Dimethyl-1,3-propanediol (Neopentyl glycol)	(¹)	(¹)	(¹)	
	BASF Corp (Parsippany, NJ) Eastman Kodak Co., Texas Eastman Co. Div Perstorp Polyols, Inc.				
	Residual Total	(¹)	(¹)	(¹)	
29053950	Diols, nesi	(¹)	735,731	920,422	1.25
	2-Butene-1,4-diol	(¹)	(¹)	(¹)	
	Company not disclosed ISP Chemicals, Inc.				
	2-Butyne-1,4-diol	CI			
	BASF Corp (Parsippany, NJ) ISP Chemicals, Inc.				
	2-Ethyl-1,3-hexanediol	(¹)	(¹)	(¹)	
	Dixie Chemical Co., Inc.				
	2-Ethyl-2-hydroxymethylhexanol		(¹)	(¹)	
	Eastman Kodak Co., Texas Eastman Co. Div				
	1,6-Hexanediol	(¹)	(¹)	(¹)	
	BASF Corp (Parsippany, NJ) Chemical Exchange Industries, Inc.				
	Hydroxycitronellol	(¹)	(¹)	(¹)	
	SCM Corp., Glidco Organics				
	2-Methyl-2,4-pentanediol (Hexylene glycol)	(¹)	9,379	9,391	1.00
	Atlantic Richfield Co., ARCO Chemical Co. Shell Oil Co., Shell Chemical Co. Union Carbide Corp., Industrial Chemicals Div.				
	1,5-Pentanediol	(¹)	(¹)	(¹)	
	BASF Corp (Parsippany, NJ)				
	Polyether and polyester polyols for urethanes	926,552	707,791	867,235	1.23
	Atlantic Richfield Co., ARCO Chemical Co. BASF Corp (Parsippany, NJ) Brin Mont Chemicals, Inc. Cape Industries Chemical Exchange Industries, Inc. Company not disclosed Cosmic Plastics, Inc. Courtaulds Aerospace Dow Chemical Co. E. R. Carpenter Co., Inc. ICI Americas, Inc., Polyurethanes Group ICI Americas, Inc., Specialty Chemicals Div. Inolex Chemical Co. Morton International, Inc., Morton Chemical Div. Olin Corp. viii, ix, xii, xiv, xv) P.D. George Co. PPG Industries, Inc. Permethane Coatings, Inc. Pioneer Plastics Corp. Reichhold Chemicals, Inc.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29053950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Rubicon, Inc. (sec xv)</i>				
	<i>Ruco Polymer Corp.</i>				
	<i>Soluol Chemical Co., Inc.</i>				
	<i>Synthron, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	2,2,4-Trimethyl-1,3-pentanediol	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	Residual Total	(1)	18,561	43,796	\$ 2.36
290541	2-Ethyl-2-(hydroxymethyl)propane-1,3-diol (Trimethylolpropane)	(1)	(1)	(1)	
29054100	2-Ethyl-2-(hydroxymethyl)propane-1,3-diol (Trimethylolpropane)	(1)	(1)	(1)	
	2-Ethyl-2-(hydroxymethyl)-1,3-propanediol (Trimethylolpropane)	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	Residual Total	(1)	(1)	(1)	
290542	Pentaerythritol	53,659	49,786	69,094	1.39
29054200	Pentaerythritol	53,659	49,786	69,094	1.39
	Pentaerythritol	53,659	49,786	69,094	1.39
	<i>Aqualon Co.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	<i>Perstorp Polyols, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
290544	D-glucitol (Sorbitol)	179,724	156,701	128,263	0.82
29064400	D-glucitol (Sorbitol)	179,724	156,701	128,263	0.82
	Sorbitol, crystalline	44,038	42,123	63,299	1.50
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	<i>Roquette Corp.</i>				
	Sorbitol (70% by Weight)	135,686	114,578	64,964	0.57
	<i>Archer Daniels Midland Co.</i>				
	<i>Ethichem Corp.</i>				
	<i>Hoffmann Laroche, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	<i>Roquette Corp.</i>				
290549	Polyhydric alcohols, nesi	29,847	(1)	(1)	
29054920	Polyhydric alcohols derived from sugars	(1)	(1)	(1)	
	2-(Hydroxymethyl)-2-methyl-1,3-propanediol (Trimethylolpropane)	(1)	(1)	(1)	
	<i>Trimont Technical Products, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29054950	Polyhydric alcohols, nesi	(1)	(1)	(1)	
	Polyhydric alcohols, all other	(1)	14,550	17,515	1.20
	<i>Akzo Chemicals, Inc.</i>				
	BASF Corp (Parsippany, NJ)				
	<i>Ethyl Corp.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	Poly(oxyalkylene glycol)--polymer with polymethylene-polyphenylene isocyanate; urethane prepolymer	(1)	(1)	(1)	
	<i>General Latex and Chemical Corp.</i>				
	Starch, hydrolyzed and hydrogenated	(1)	(1)	(1)	
	<i>Roquette Corp.</i>				
	Residual Total	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
290549XX	HTS Level Residual Total	29,847	(1)	(1)	
290550	Halogenated, sulfonated, nitrated or nitrosated derivatives of acyclic alcohols	(1)	(1)	(1)	
29055010	Halogenated, sulfonated, nitrated or nitrosated derivatives of monohydric alcohols	(1)	(1)	(1)	
	2-Methyl-2-nitro-1-propanol	(1)	(1)	(1)	
	Angus Chemical Co.				
	Trifluoroethanol	(1)	(1)	(9)	
	Halocarbon Products Corp.				
	Residual Total	(1)	(1)	(1)	
29055050	Halogenated, sulfonated, nitrated or nitrosated derivatives of acyclic alcohols, excluding derivatives of monohydric alcohols	(1)	1,616	5,959	\$ 3.69
	2-Bromo-2-nitropropanediol	(1)	(1)	(1)	
	Angus Chemical Co.				
	3-Chloro-1,2-propanediol (Glycerol a-chlorohydrin)	(1)	(1)	(1)	
	Dixie Chemical Co., Inc.				
	W R Grace & Co., Organic Chemicals Div., Evans Chemetics				
	2-(Hydroxymethyl)-2-nitro-1,3-propanediol (Tris-(hydroxymethyl)nitromethane)	(1)	(1)	(1)	
	Angus Chemical Co.				
	Iodinated glycerol	(1)	(1)	(1)	
	Arenol Chemical Corp.				
	Company not disclosed				
	Pentaerythritol, brominated	(1)	(1)	(1)	
	Ethyl Corp.				
	Residual Total	(1)	1,616	5,959	3.69
2905XX	HTS Level Residual Total	2,081,846	48,185	93,202	1.93
2906	Cyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	18,628	69,515	3.73
290611	Menthol	(1)	(1)	(1)	
29061100	Menthol	(1)	(1)	(1)	
	dl-Menthol, synthetic	(1)	(1)	(1)	
	Haarmann & Reimer Corp.				
	SCM Corp., Glidco Organics				
	l-Menthol, synthetic	(1)	(1)	(1)	
	Haarmann & Reimer Corp.				
	Residual Total	(1)	(1)	(1)	
290612	Cyclohexanol, methylcyclohexanols and dimethylcyclohexanols	(1)	(1)	(1)	
29061200	Cyclohexanol, methylcyclohexanols and dimethylcyclohexanols	(1)	(1)	(1)	
	Cyclohexanol	(1)	(1)	(1)	
	Allied Signal, Inc., Engineered Materials Sector				
	BASF Corp (Parsippany, NJ)				
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.				
	Residual Total	(1)	(1)	(1)	
290613	Sterols and inositols	(1)	(1)	(1)	
29061350	Sterols	(1)	(1)	(1)	
	Zeeland Chemical, Inc.				
290614	Terpineols	(1)	(1)	(1)	
29061400	Terpineols	(1)	(1)	(1)	
	3- and 4-Pinanols	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	Pinanols/plinol mixtures	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	Terpinene-ol	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29061400 — Continued					
	Chemical description/Manufacturer — Continued				
	a-Terpineol	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	Union Camp Corp.				
	Residual Total	(1)	(1)	(1)	
290619	Cyclanic, cydenic or cydoterpenic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	(1)	(1)		
29061900	Cyclanic, cyclonic or cydoterpenic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi		(1)	(1)	
	Amyl cinnamyl alcohol	(1)	(1)	(1)	
	International Flavors & Fragrances, Inc.				
	Cedrenol	(1)	(1)	(1)	
	Elan Chemical Co.				
	Fragrance Resources, Inc.				
	International Flavors & Fragrances, Inc.				
	Cedrol	(1)	(1)	(1)	
	Elan Chemical Co.				
	International Flavors & Fragrances, Inc.				
	1,4-Cyclohexylenedimethanol	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	trans-Decahydro-p-naphthol	(1)	(1)	(1)	
	International Flavors & Fragrances, Inc.				
	2-Isopropylcyclohexanol	(1)	(1)	(1)	
	Givaudan Corp.				
	Plinol	(1)	(1)	(1)	
	SCM Corp., Glidco Organics				
	3,3,5-Trimethyl cyclohexanol (m-Homomenthol)	(1)	(1)	(1)	
	Arsynco, Inc., Sub. of Aceto Corp				
	3,3,5-Trimethylcyclohexanol (m-homomenthol)	(1)	(1)	(1)	
	Arsynco, Inc., Sub. of Aceto Corp				
	Trimethyl norbornane methanol	(1)	(1)	(1)	
	International Flavors & Fragrances, Inc.				
	Residual Total	(1)	(1)	(1)	
290621	Aromatic benzyl alcohol	(1)	(1)	(1)	
29062100	Benzyl alcohol	(1)	(1)	(1)	
	Benzyl alcohol	(1)	(1)	(1)	
	Kalama Chemical, Inc.				
	Residual Total	(1)	(1)	(1)	
290629	Aromatic cyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi				
		2,777	(1)	(1)	
29062910	Phenethyl alcohol	(1)	(1)	(1)	
	Phenethyl alcohol	(1)	(1)	(1)	
	Atlantic Richfield Co., ARCO Chemical Co.				
	Fragrance Resources, Inc.				
	International Flavors & Fragrances, Inc.				
	Residual Total	(1)	(1)	(1)	
29062920	Odoriferous or flavoring compounds of aromatic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	(1)		(1)	
	2-tert-Butyl cyclohexanol		(1)	(1)	
	International Flavors & Fragrances, Inc.				
	Cinnamyl alcohol		(1)	(1)	
	Givaudan Corp.				
	3-Methyl-5-phenyl-1-pentanol	(1)	(1)	(1)	
	Firmenich, Inc.				
	Residual Total	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29062950	Aromatic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	(1)	(1)	(1)	
	Benzhydrol (Diphenylmethanol) <i>Parke Davis Div. of Warner Lambert, Inc.</i>	(1)	(1)	(1)	
	2-Methyl-1,1-biphenyl(n-3-yl) methanol <i>Ruetgers Neese Chemical Co.</i>	(1)	(1)	(1)	
	p-Nitrophenethyl alcohol <i>Pfister Chemical, Inc.</i>	(1)	(1)	(1)	
	1,3,5-Trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl)benzene <i>Ethyl Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290629XX	HTS Level Residual Total	2,777	(1)	(1)	
2906XX	HTS Level Residual Total	(1)	18,628	41,163	\$ 2.21
2907	Phenols; phenol alcohols	2,706,836	1,384,820	1,045,370	0.75
290711	Phenol (Hydroxybenzene) and its salts	1,762,481	937,533	405,149	0.43
29071100	Phenol (Hydroxybenzene) and its salts	1,762,481	937,533	405,149	0.43
	Phenol, natural, from petroleum, all other <i>Georgia Guff Corp., Houston Div.</i>	(1)	(1)	(1)	
	Phenol, natural, from petroleum, U.S.P. <i>Merichem Co.</i>	(1)	(1)	(1)	
	Phenol salts, all other <i>Chevron Corp., Chevron Chemical Co. Ethyl Corp.</i>	(1)	(1)	(1)	
	Phenol, synthetic, all other <i>Kalama Chemical, Inc.</i>	(1)	(1)	(1)	
	Phenol, synthetic, by caustic fusion, all other <i>Indspec Chemical Corp.</i>	(1)	(1)	(1)	
	Phenol, synthetic, from cumene by oxidation, U.S.P. <i>Allied Signal, Inc., Engineered Materials Sector Aristech Chemical Corp. BTL Specialty Resin Corp. Dow Chemical Co. General Electric Co., Speciality Chemical group Georgia Gulf Corp., Plaquemine Div. Shell Oil Co., Shell Chemical Co. Texaco Chemical Co.</i>	1,636,029	813,660	313,509	0.39
	Residual Total	126,452	123,873	91,640	0.74
290712	Cresols and their salts	(1)	(1)	(1)	
29071200	Cresols and their salts	(1)	(1)	(1)	
	4,4'-Butylidenebis(6-tert-butyl-m-cresol) <i>Monsanto Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290713	Octylphenol, nonylphenol and their isomers; salts thereof	(1)	(1)	(1)	
29071300	Octylphenol, nonylphenol and their isomers; salts thereof	(1)	(1)	(1)	
	Nonylphenol <i>General Electric Co., Speciality Chemical group Kalama Chemical, Inc. Schenectady Chemicals, Inc. Texaco Chemical Co.</i>	79,957	48,885	44,204	0.90
	Octylphenol <i>PMC Inc., PMC Specialities Group, Inc. Schenectady Chemicals, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290713XX	HTS Level Residual Total	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
290714	Xylenols and their salts	(¹)	(¹)		
29071400	Xylenols and their salts	(¹)	(¹)	(¹)	
	2,6-Xylenol	(¹)			
	General Electric Co., Speciality Chemical group				
	Residual Total	(¹)	(¹)		
290719	Monophenols, nesi	(¹)	(¹)	(¹)	
29071910	Alkylcresols	10,291		(¹)	
	2-tert-Butyl-p-cresol	(1)	(1)	(1)	
	PMC Inc., PMC Specialities Group, Inc.				
	2,6-Di-tert-butyl-p-cresol (BHT, or, Butylated hydroxytoluene	(¹)	(1)	(1)	
	Union Carbide Corp., Industrial Chemicals Div. Uniroyal Chemical Co., Inc.				
	2,2'-Methylenebis(6-tert-butyl-p-cresol)	(1)		(1)	
	Cytec Industries				
	Residual Total	10,291	(1)	(1)	
29071920	Alkylphenols	206,573	175,892	307,221	\$ 1.75
	Alkylphenol, calcium salt	(¹)	(1)	(1)	
	Chevron Corp., Chevron Chemical Co. Ethyl Corp. Texaco Chemical Co.				
	Alkyl phenols	(¹)	(¹)	(¹)	
	Company not disclosed				
	Alkylphenols, mixed	(1)	(1)	(1)	
	PMC Inc., PMC Specialities Group, Inc. Schenectady Chemicals, Inc.				
	p-Amylphenol	(1)	(¹)	(¹)	
	Company not disclosed				
	2,2-Bis(4-hydroxyphenyl)4-methylpentane		(1)	(1)	
	SpecialtyChem Products Corp.				
	o-sec-Butylphenol	(1)	(1)		
	Schenectady Chemicals, Inc.				
	o-tert-Butylphenol	(1)	(¹)	(¹)	
	Ethyl Corp.				
	p-sec-Butylphenol	(¹)	(¹)	(1)	
	Schenectady Chemicals, Inc.				
	p-tert-Butylphenol	(¹)	(¹)	(¹)	
	Schenectady Chemicals, Inc.				
	Butylphenols, mixed	(1)	(¹)		
	Company not disclosed FMC Corp., Nitro Div.				
	2,6-Di-t-butyl-4-nonylphenol	(1)	(1)	(1)	
	Rhone Poulenc, Inc.				
	2,4-Di-tert-butylphenol	(1)	(1)	(1)	
	Ethyl Corp. Schenectady Chemicals, Inc.				
	2,6-Di-tert-butylphenol	(1)	(1)	(1)	
	Ethyl Corp. Schenectady Chemicals, Inc.				
	2,6-Di-tert-4-sec-butylphenol		(1)	(1)	
	Schenectady Chemicals, Inc.				
	2,6-Diisopropylphenol		(1)	(1)	
	Ethyl Corp.				
	Dinonylphenol	(1)	(1)	(1)	
	Texaco Chemical Co.				
	2,4-Di-tert-pentylphenol	(¹)	(1)	(1)	
	Elf Atochem North America, Inc. Schenectady Chemicals, Inc.				
	p-Dodecylphenol	(1)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29071920 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Monsanto Co.</i>				
	<i>Schenectady Chemicals, Inc.</i>				
	Dodecylphenol, sulfurized, calcium salt <i>Chevron Corp., Chevron Chemical Co.</i>	(1)	(1)	(1)	
	o-Ethylphenol <i>SpecialtyChem Products Corp.</i>	(1)	(1)	(1)	
	o-Isopropylphenol <i>FMC Corp., Nitro Div.</i>	(1)	(1)	(1)	
	4-Methyl-2,6-di-tert-butylphenol <i>PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(1)	
	2,2'-Methylenebis(6-tert-butyl-4-ethylphenol) <i>Cytec Industries</i>	(1)	(1)	(1)	
	4,4'-Methylenebis(2,6-di-tert-butylphenol) <i>Ethyl Corp.</i>	(1)	(1)	(9)	
	2,2'-Methylenebis(4-methyl-6-tert-butylphenol) <i>PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(1)	
	Nonylphenol, barium salt <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	<i>Witco Corp.</i>				
	p-tert-Pentylphenol <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	o-Pentylphenol (o-Amylphenol) <i>Elf A tochem North America, Inc.</i>	(1)	(1)	(1)	
	<i>Schenectady Chemicals, Inc.</i>				
	Residual Total	206,573	175,892	307,221	\$ 1.75
29071950	Unsubstituted monophenols, nesi	Pi	(1)	(1)	
	Carvacrol <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	p-Cumylphenol <i>Schenectady Chemicals, Inc.</i>	(1)	(1)	(1)	
	Phenol, styrenated <i>PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(1)	
	o-Phenylphenol <i>Dow Chemical Co.</i>	(1)	(1)	(1)	
	o-Phenylphenol, chlorinated <i>Dow Chemical Co.</i>	(1)	(1)	01	
	o-Phenylphenol, sodium salt <i>Dow Chemical Co.</i>	(1)	(1)	(1)	
	1,1,3-Tri(2-methyl-4-hydroxy-5-tert-butylphenyl) butane <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290721	Resorcinol and its salts	V/	(1)	III	
29072100	Resorcinol and its salts	(1)	(1)	(1)	
	Resorcinol <i>Indspec Chemical Corp.</i>	(1)	(4)	(1)	
	Resorcinol, tech, <i>Indspec Chemical Corp.</i>	(1)	(1)	(9)	
	Residual Total	(1)	(9)	(9)	
290722	Hydroquinone (Quinol) and its salts	(1)	(1)	PI	
29072210	Hydroquinone (Quinol) and its salts, photographic grade	(1)	(1)	(1)	
	Hydroquinone (Hydroquinol) <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	19	
	Residual Total	(1)	(1)	(1)	
29072250	Hydroquinone (Quinol) and its salts, other than photographic grade	(1)	III	PI	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29072250 — Continued					
	Hydroquinone, tech. <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Goodyear Tire & Rubber Co.</i>	(1)	(1)	(1)	
	Methylhydroquinone <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290723	4,4'-Isopropylidenediphenol (Bisphenol A, Diphenylolpropane) and its salts	542,843	189,601	179,687	S 0.95
29072300	4,4'-Isopropylidenediphenol (Bisphenol A, Diphenylolpropane) and its salts	542,843	189,601	179,687	0.95
	4,4'-Isopropylidenediphenol (Bisphenol A) <i>Aristech Chemical Corp</i> <i>Dow Chemical Co.</i> <i>General Electric Co., Speciality Chemical group</i> <i>Shell Oil Co., Shell Chemical Co.</i>	542,843	189,601	179,687	0.95
290729	Polyphenols, nesi	1,887	1,917	11,302	5.90
29072960	Unsubstituted polyphenols, nesi	1,887	1,917	11,302	5.90
	tert. Butylhydroquinone <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	2,5-Di-sec. butyldecylhydroquinone <i>Monsanto Co.</i> <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Di-tert. octyl hydroquinone <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	2- and 5-Methyl resorcinol <i>Wyckoff Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Polyphenolics (Including bisphenols), other <i>Eff Atochem North America, Inc.</i>	(1)	(1)	(1)	
	1,1,1-Tris(p-hydroxyphenyl)ethane <i>Salsbury Chemicals, Inc.</i>	(1)	(1)	(1)	
	Residual Total	1,887	1,917	11,302	5.90
2907XX	HTS Level Residual Total	84,072	72,423	113,457	1.57
2908	Halogenated, sulfonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols	(1)	(1)	(1)	
290810	Derivatives of phenols or phenol-alcohols containing only halogen substituents and their salts	(1)	(1)	(1)	
29081035	Derivatives of phenols or phenol-alcohols containing only halogen substituents and their salts described in add. U.S. note 3 to sec. VI	(1)	(1)	(1)	
	4,4'-Isopropylidenebis(2,6-dibromophenol), bis-2,3-dibromopropyl ether <i>Great Lakes Chemical Corp.</i>	(1)	(1)	(1)	
	2,4,6-Tribromophenol <i>Great Lakes Chemical Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29081050	Derivatives of phenols or phenol-alcohols containing only halogen substituents and their salts, nesi	(1)	(1)	(1)	
	4-Chloro-3,5-xyleneol <i>Ferro Corp., Bedford Chemical Div.</i>	(4)	(1)	(1)	
	Tetrabromobisphenol A <i>Ethyl Corp.</i> <i>Great Lakes Chemical Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290820	Derivatives of phenols or phenol-alcohols containing only sulfa groups, their salts and esters	5,510	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29082020	Derivatives nesi, of phenols or phenol-alcohols cont. only sulfo groups, their salts and esters, described in add. U.S. note 3 to section VI	(¹)	(¹)	(¹)	
	6-Hydroxy-2-naphthalenesulfonic acid, sodium salt <i>Hilton Davis Company</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29082060	HTS Level Residual Total	(1)	5,119	10,854	\$ 2.12
	6,7-Dihydroxy-2-naphthalenesulfonic acid <i>C.N.C. International, Inc.</i>	(1)	(1)	(1)	
	p-Hydroxybenzenesulfonic acid <i>Company not disclosed</i> <i>Sloss Industries</i>	(1)	(1)	(1)	
	Phenolsulfonic acid <i>PMC Inc., PMC Specialities Group, Inc.</i> <i>Salsbury Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Phenolsulfonic acid, lithium salt <i>Niacet Corp.</i>	(1)	(1)	(1)	
	Phenolsulfonic acid, sodium salt <i>Salsbury Chemicals, Inc.</i>	(1)	(1)	(1)	
	Zinc phenolsulfonate <i>Mallinckrodt Speciality Chemicals Co.</i>	(1)	(1)	(1)	
	Residual Total	(¹)	5,119	10,854	2.12
290820XX	HTS Level Residual Total	5,510	(1)	(1)	
290890	Derivatives of phenols or phenol-alcohols, nesi	(¹)	(1)	(1)	
29089008	Nitrophenols, except p-nitrophenol	(1)	(¹)	(¹)	
	2,4-Dinitrophenol, tech. <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(1)	(1)	
	p-Nitrophenol <i>Monsanto Co.</i>	(1)	(1)	(1)	
	Picric acid (Trinitrophenol) <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29089040	Halogenated, sulfonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols described in additional U.S. note 3 to section VI	(1)	(¹)	(¹)	
	n-Octylphenol, ethoxylated and sulfonated, sodium salt <i>Apex Chemical Corp.</i> <i>Miles, Inc., Agricultural Chemicals Div.</i>	(1)	(9)	(¹)	
	Residual Total	(1)	(¹)	(¹)	
29089050	Halogenated, sulfonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols, nesi	3,251	(1)	(1)	
	2-Nitro-p-cresol <i>PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(1)	
	p-Nitrophenol, sodium salt <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	p-Nitrosophenol <i>Lord Corp., Chemical Products Div.</i> <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(¹)	(¹)	(1)	
	4-Nitrosophenol, sodium salt <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(¹)	(¹)	(¹)	
	Residual Total	3,251	(1)	(1)	
290890XX	HTS Level Residual Total	(1)	(1)	(1)	
2909	Ethers, ether-alcohols, ether-phenols, ether-alcohol-phenols, alcohol peroxides (whether or not chemically defined), and their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(¹)	(¹)	
290911	Diethyl ether	(¹)	(1)	(1)	
29091100	Diethyl ether	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29091100 — Continued					
	Ethyl ether <i>Eastman Kodak Co., Texas Eastman Co. Div</i> <i>Quantum Chemical Corp., USI Div.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
290919	Acyclic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	VI	(1)	(1)	
29091910	Ethers of monohydric alcohols	4,105,431	3,032,544	1,072,777	\$ 0.35
	Bis(2-chloroethyl)ether (Dichlorodiethyl ether) <i>Buckman Laboratories, Inc.</i>	(1)	(1)	(1)	
	1-Butoxyethoxy-2-propanol <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	sec-Butyl ether <i>Exxon Chemical Americas</i>	(1)	(1)	(1)	
	Butyl vinyl ether <i>ISP Chemicals, Inc.</i>	(1)	(9)	(1)	
	Carboxylic acid alkoxylates <i>Company not disclosed</i>	(1)	(1)	(1)	
	Cetyl alcohol, propoxylated <i>Coda, Inc.</i>	(1)	(1)	(1)	
	Chloromethyl methyl ether <i>Rohm & Haas Co.</i>	(1)	(1)	(1)	
	2-Chloro-1,1,2-trifluoroethyl methyl ether <i>Anaquest</i>	(1)	(1)	(1)	
	2,2-Dichloro-1,1-difluoroethyl methyl ether <i>Anaquest</i>	(1)	(1)	(1)	
	2,5-Dihydroperoxy-2,5-dimethylhexane <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>	(1)	(1)	(1)	
	Dimethyl ether <i>Air Products & Chemicals, Inc.</i>	(1)	(1)	(1)	
	3,7-Dimethyl-1,6-octadien-3-ol, oxide <i>SCM Corp., Glidco Organics</i>	(1)	(1)	(1)	
	Dodecyl alcohol, ethoxylated <i>Ca/gene Chemical Corp.</i> <i>Company not disclosed</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Lonza, Inc.</i> <i>Milliken & Co., Milliken Chemical Div.</i>	1,412	(1)	(1)	
	Enflurane <i>Anaquest</i>	(1)	(1)	(1)	
	Ethyl vinyl ether <i>ISP Chemicals, Inc.</i>	(1)	(1)	(1)	
	Geranyl ethyl ether <i>International Flavors & fragrances, Inc.</i>	(1)	(1)	(1)	
	Hexadecyl alcohol, ethoxylated <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Lonza, Inc.</i> <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Hexadecyl alcohol, propoxylated <i>PPG Industries, Inc.</i>	(1)	(1)	(1)	
	N-Hexyl alcohol, ethoxylated <i>High Point Chemical Corp.</i> <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Isodecyl alcohol, ethoxylated <i>Ethox Chemicals, Inc.</i> <i>PPG Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Witco Corp.</i>	1,779	2,332	3,055	1.31

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29091910 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Isodecyl alcohol, ethoxylated and propoxylated <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Iso-octyl alcohol, ethoxylated <i>Ethox Chemicals, Inc.</i>	(1)	(1)	(1)	
	Iso-octylphenol, ethoxylated <i>BASF Corp (Parsippany, NJ)</i> PPG Industries, Inc. <i>Rohm & Haas Co.</i>		(1)	(1)	
	Isopropyl ether <i>Shell Oil Co., Shell Chemical Co.</i>	(1)	(1)	(1)	
	Isostearyl alcohol, ethoxylated <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	Methyl-t-butyl ether <i>AMOCO Corp.</i> <i>Atlantic Richfield Co., ARCO Chemical Co.</i> <i>Citgo Petroleum Corp.</i> <i>Citgo Refining and Chemicals, Inc.</i> <i>Coastal Chem, Inc.</i> <i>Coastal Refining & Marketing, Inc.</i> <i>Conoco, Inc.</i> <i>Crown Central Petroleum Corp.</i> <i>Diamond Shamrock Refining & Marketing</i> EGP Fuels <i>Exxon Chemical Americas</i> <i>Fine Oil & Chemical Co.</i> <i>Lyondell Petrochemical Co.</i> <i>Marathon Oil Co.</i> <i>Mobil Oil Corp., Beaumont Refinery Div.</i> <i>Oxy Petrochemicals, Inc.</i> <i>Phibro Refining</i> <i>Phillips 66 Co.</i> <i>Sun Co., Inc.</i> <i>Texaco Chemical Co.</i> <i>Texas petrochemicals, Corp.</i> <i>Valero Refining & Marketing Co.</i>	4,057,538	3,009,146	1,031,551	S 0.34
	Methyl hexyl ether <i>SCM Corp., Glidco Organics</i>		(1)	(1)	
	Methyl vinyl ether ISP Chemicals, Inc. <i>Union Carbide Corp., Industrial Chemicals Div.</i>		(1)	(1)	
	9-Octadecenyl alcohol, ethoxylated <i>Ethox Chemicals, Inc.</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Rhone Poulenc, Inc.</i> <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(¹)	1,585	1,937	1.22
	Oleyl alcohol, ethoxylated <i>Grant Industries, Inc.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> PPG Industries, Inc. <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>	205	418	1,170	2.80
	Residual Total	44,497	19,063	31,712	1.66
	Hexadecyl sulfate, sodium salt <i>Milliken & Co., Milliken Chemical Div.</i> <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(¹)			
	29091950 Ethers of polyhydric alcohols	7,436	(¹)		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29091960 —Continued					
	Bis(2-butoxyethyl)ether (Diethylene glycol di-n-butyl ether) <i>Ferro Corp., Grant Chemical Div.</i>	(1)	(1)	(1)	
	Bis(2-ethoxyethyl)ether (Diethylene glycol diethyl ether) <i>Ferro Corp., Grant Chemical Div.</i>	(1)	(1)	(1)	
	Bis[2-(2-methoxyethoxy)ethyl] ether (Tetraethylene glycol dimethyl ether) <i>Ferro Corp., Grant Chemical Div.</i>	(1)	(1)	(1)	
	Decyloxypoly(ethyleneoxy)ethyl chloride <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Dimethoxyethane (Ethylene glycol dimethyl ether) <i>Ferro Corp., Grant Chemical Div.</i>	(1)	(1)	(1)	
	Ethylene glycol di-tributyl ether <i>Eastman Kodak Co., Texas Eastman Co. Div</i> <i>Ferro Corp., Grant Chemical Div.</i>	(1)	(1)	(1)	
	Ethylene glycol di-triethyl ether <i>Eastman Kodak Co., Texas Eastman Co. Div</i>	(1)	(1)	(1)	
	Glycerol monoallyl ether <i>Rhone Poulenc, Inc.</i>	(1)	(1)		
	Isoflurane <i>Anaquest</i>	(1)	(1)		
	Polyethylene glycol dimethyl ether <i>Ferro Corp., Grant Chemical Div.</i> <i>Hickson Danchem Corporation</i> <i>Sherex Chemical Co., Inc.</i>	778	767	1,728	S 2.25
	Propylene glycol, alkoxylated <i>Company not disclosed</i>	(1)	(1)	(1)	
	Sorbitol, alkoxylated <i>Company not disclosed</i> <i>Company not disclosed</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>PPG Industries, Inc.</i>	505	(1)	(1)	
	Residual Total	6,154		(1)	
290920	Cyclanic, cyclenic or cydoterpenic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives			(1)	
29092000	Cyclonic, cydenic or cycloterpenic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives		(1)	(1)	
	1,1-Di(t-amylperoxy)cyclohexane <i>Elf Atochem North America, Inc., tine Chem & Org.- Div.</i>	(1)	(1)	(1)	
	Isobornyl methyl ether <i>SCM Corp., Glidco Organics</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)		
290930	Aromatic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives			(1)	
29093020	Odoriferous or flavoring compounds of aromatic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi		(1)	(1)	
	p-Allylanisole <i>SCM Corp., Glidco Organics</i> <i>Union Camp Corp.</i>	(1)	(1)	(1)	
	Allyl cyclohexyl propionate <i>Givaudan Corp.</i>		(1)	(1)	
	Benzyl isopentyl ether <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	1-(Benzyloxy)-2-methoxy-4-propenylbenzene (Benzyl isoeugenyl ether)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production		Sales		Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Kilograms	1,000 Dollars	
HTS No. 29093020 —Continued						
<i>Chemical description/Manufacturer—Continued</i>						
	<i>Givaudan Corp.</i>					
	2-Chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (Oxyfluorfen)	P)	(1)	(1)		
	<i>Rohm & Haas Co.</i>					
	Cresol, ethoxylated	(1)	(1)	(1)		
	<i>Milliken & Co., Milliken Chemical Div.</i>					
	2-Ethoxynaphthalene	(1)	(1)	(1)		
	<i>Givaudan Corp.</i>					
	2-Methoxynaphthalene	(1)	(1)	(1)		
	<i>Givaudan Corp.</i>					
	Residual Total	(1)		(1)		
29093030	Pesticides, of aromatic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives	688	633	9,453		\$ 14.94
	a12-(2-n-Butoxyethoxy)ethoxy-1-4,5-methylenedioxy-2-propyltoluene (Piperonyl butoxide)	(1)	(1)	(1)		
	<i>Alpha Laboratories, Inc.</i>					
	1,4-Dichloro-2,5-dimethoxybenzene (Chloroneb)	(1)	(1)	(1)		
	<i>Kincaid enterprises, Inc.</i>					
	2-(p-tert-Butylphenoxy)cyclohexyl-2-propynyl sulfite	(1)	(1)	(1)		
	<i>Uniroyal Chemical Co., Inc.</i>					
	Residual Total	688	633	9,453		14.94
29093040	Aromatic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives described in additional U.S. note 3 to section VI	9,012	(1)	(1)		
	Brominated diphenyl ethers	(1)	(1)	(1)		
	<i>Ethyl Corp.</i>					
	2-Bromo-6-methoxynaphthylene	(1)	(9)	(1)		
	<i>Syntex Agribusiness, Inc.</i>					
	p-Dibutoxybenzene (DBB)	(1)	(1)	(1)		
	<i>Alliance Chemical, Inc.</i>					
	1-Ethoxy-3-methylbenzene	(1)	(1)	(1)		
	<i>Hilton Davis Company</i>					
	m-Methylanisole	(1)	(1)	(1)		
	<i>Company not disclosed</i>					
	4-Methyl-2-nitroanisole	(1)	(1)	(1)		
	<i>PMC Inc., PMC Specialities Group, Inc.</i>					
	Octabromodiphenyl oxide	(1)	(1)	(1)		
	<i>Great Lakes Chemical Corp.</i>					
	2,4,6-Tribromophenyl allyl ether	(1)	(1)	(1)		
	<i>Great Lakes Chemical Corp.</i>					
	Residual Total	9,012	(1)	(1)		
29093050	Aromatic ethers and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	38,259	24,244	59,124		2.44
	Anisole, tech.	(1)	(1)	(1)		
	<i>Kincaid enterprises, Inc.</i>					
	Bisphenol A, ethoxylated and propoxylated	(1)	(1)	(1)		
	<i>PPG Industries, Inc.</i>					
	Bisphenol a, ethoxylated	(1)	(1)	(1)		
	<i>Milliken & Co., Milliken Chemical Div.</i>					
	<i>PPG Industries, Inc.</i>					
	1,2-Bis(tribromophenoxy)ethane	(1)	(1)	(1)		
	<i>Great Lakes Chemical Corp.</i>					
	1-Bromo-4-ethoxy-2-methylbenzene	(1)	(1)	(1)		
	<i>Company not disclosed</i>					

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29093060 —Continued					
	2-Chloro-1,4-dimethoxybenzene <i>Kincaid enterprises, Inc.</i>	(1)	(1)	(1)	
	m-Dimethoxybenzene <i>Cytec Industries</i>	(1)	(1)	(1)	
	p-Dimethoxybenzene (Dimethyl ether of hydroquinone) <i>SpecialtyChem Products Corp.</i>	(1)	(1)	(1)	
	Dinonylphenol, ethoxylated <i>Ca/gene Chemical Corp.</i> <i>Company not disclosed</i> <i>Ethox Chemicals, Inc.</i> <i>Grant Industries, Inc.</i> <i>Heterene Chemical Corp.</i> PPG Industries, Inc. <i>Rhone Poulenc, Inc.</i> <i>Sandoz Chemicals Corp. (Martin Plant)</i>	1,790	1,545	1,802	1.17
	1,2-Diphenoxyethane <i>Chemdesign Corp.</i> <i>SpecialtyChem Products Corp.</i>	(1)	(1)	(1)	
	Dodecylidiphenyl oxide <i>Sybron Chemicals, Inc.</i>	(1)	(1)	(1)	
	4,4'-Isopropylidenediphenol, ethoxylated <i>Henkel Corp.</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)	(1)	(1)	
	4,4'-Isopropylidenediphenol, propoxylated <i>Henkel Corp.</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)	(1)	(1)	
	4-Methoxybenzyl alcohol <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(1)	(1)	(1)	
	1,2-Methylenedioxybenzene <i>James River 11, Inc.</i>	(1)	(1)	(1)	
	Pentabromodiphenyl oxide <i>Great Lakes Chemical Corp.</i>	(1)	(1)	(1)	
	Phenyl ether (Diphenyl oxide) <i>Dow Chemical Co.</i> <i>Monsanto Co.</i>	(1)	(1)	(1)	
	Polyethoxylate/polypropoxylate dibenzyl ether <i>Company not disclosed</i>	(1)	(1)	(1)	
	1,2,4,5-Tetrabromo-3,6-bis(pentabromophenoxy) benzene <i>Ethyl Corp.</i>	(1)	(1)	(1)	
	Residual Total	36,469	22,699	57,322	2.53
	290930XX HTS Level Residual Total	(1)	(1)	(1)	
290941	2,2'-Oxydiethanol (Diethylene glycol, Digol)	354,816	178,179	72,305	0.41
29094100	2,2'-Oxydiethanol (Diethylene glycol, Digol)	354,816	178,179	72,305	0.41
	Diethylene glycol <i>BASF Corp (Parsippany, NJ)</i> <i>Eastman Kodak Co., Texas Eastman Co. Div</i> <i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i> <i>Hoechst Celanese Corp., Fibers Industrial Div.</i> <i>Olin Corp. viii, ix, xii, xiv, xv)</i> <i>Oxy Petrochemicals, Inc.</i> <i>P D Glycol</i> <i>Quantum Chemical Corp., US/ Div.</i> <i>Shell Oil Co., Shell Chemical Co.</i> <i>Texaco Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>				
290942	Monomethyl ethers of ethylene glycol or of diethylene glycol	(1)	37,761	32,406	0.86

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29094200	Monomethyl ethers of ethylene glycol or of diethylene glycol				
	2-Methoxyethanol (Ethylene glycol monomethyl ether)	(¹)	37,761	32,406	\$ 0.86
	<i>Olin Corp. (ii, ill, viii, ix, xii, xiv, xv)</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	2-(2-Methoxyethoxy)ethanol (Diethylene glycol monomethyl ether)	(¹)	13,229	8,749	0.66
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Olin Corp. (ii, ill, viii, ix, xii, xiv, xv)</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	18,595	24,533	23,657	0.96
		(1)			
290943	Monobutyl ethers of ethylene glycol or of diethylene glycol	223,993	208,334	141,925	0.68
29094300	Monobutyl ethers of ethylene glycol or of diethylene glycol	223,993	208,334	141,925	0.68
	2-Butoxyethanol (Ethylene glycol monobutyl ether)	176,794	166,484	97,446	0.59
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Harcros Chemicals, Inc.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	2-(2-Butoxyethoxy)ethanol (Diethylene glycol monobutyl ether)	47,199	41,850	44,479	1.06
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
290944	Monoalkyl (except monomethyl) ethers of ethylene glycol or of diethylene glycol	74,464	(¹)	(1)	
29094400	Monoalkyl (except monomethyl) ethers of ethylene glycol or of diethylene glycol	74,464	(1)	(¹)	
	2-Ethoxyethanol (Ethylene glycol monoethyl ether)	(1)	(1)	(¹)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	2-(2-Ethoxyethoxy)ethanol (Diethylene glycol monoethyl ether)	16,102	(1)	(9)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	2[2-(Hexyloxy)ethoxy]ethanol	(¹)	(¹)	(¹)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Propoxyethanol (Ethylene glycol monopropyl ether)	(¹)	(1)	(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	Residual Total	58,362	(¹)	(¹)	
290949	Ether-alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	II/	(¹)	V/	
29094910	Aromatic ether-alcohols, their halogenated, sulfonated, nitrated or nitrosated derivatives described in additional US note 3 to section VI	68	(1)	(¹)	
	Dibenzylglycerol	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29094910 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Dixie Chemical Co., Inc.</i>				
	p-Methoxybenzyl alcohol (Anisyl alcohol)	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	2-Methoxy-4-propenylphenol (Isoeugenol)	VI	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	2-Methoxy-4-propylphenol	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	Residual Total	68		(1)	
29094915	Aromatic ether-alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi				
	1-Hydroquinone, di(f1-hydroxyethyl) ether	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	2-Phenoxyethanol (Ethylene glycol monophenyl ether)	(1)	(1)	(1)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	(1)	(1)	V	
29094920	Nonaromatic glycerol ethers				
	Decaglycerol tetraoleate				
	<i>Karlshamns, USA</i>				
	Polypropylene glycol glycerol triether (Polypropoxyglyceryl triether)	(1)	(1)	(1)	
	<i>Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)</i>				
	<i>PPG Industries, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29094950	Nonaromatic ether-alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi				
	Bis(2-methoxyethyl)ether (Diethylene glycol dimethyl ether)	611,840	289,857	384,872	\$ 1.33
	<i>Ferro Corp., Grant Chemical Div.</i>	(1)	(1)	(1)	
	2-(2-(2-Butoxyethoxy)ethoxy)ethoxyethanol (Triethylene glycol monobutyl ether)	14,509			
	<i>Dow Chemical Co.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Decyl alcohol, ethoxylated	3,124	3,036	6,073	2.00
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Grant Industries, Inc.</i>				
	<i>High Point Chemical Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Decyl alcohol, ethoxylated and propoxylated	(1)		(1)	
	<i>High Point Chemical Corp.</i>				
	Diethylene glycol mono-n-propyl ether	(1)	(1)		
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	Dipropylene glycol	(1)	33,865	28,821	0.85
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Olin Corp. viii, ix, xii, xiv, xv)</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Dipropylene glycol dimethyl ether	(1)		(1)	
	<i>Ferro Corp., Grant Chemical Div.</i>				
	Dipropylene glycol monomethyl ether (3-13-Methoxypropoxy)propanoll	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29094960 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Atlantic Richfield Co., ARCO Chemical Co. Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)				
	242-(2-Ethoxyethoxy)ethoxyethanol (Triethylene glycol monoethyl ether) Olin Corp. (ii, iii, viii, ix, xii, xiv, xv) Oxy Petrochemicals, Inc. Union Carbide Corp., Industrial Chemicals Div.	(¹)	VI	(¹)	
	Ethylene glycol di-tri-propyl ether Eastman Kodak Co., Texas Eastman Co. Div	(¹)	(¹)	(¹)	
	Lignin, ethoxylated Westvaco Corp.	(¹)	(¹)	(¹)	
	2-(2-(2-Methoxyethoxy)ethoxyethanol (Triethylene glycol monomethyl ether) Dow Chemical Co. Olin Corp. viii, ix, xii, xiv, xv) Oxy Petrochemicals, Inc. Union Carbide Corp., Industrial Chemicals Div.	14,385	(¹)	(¹)	
	2-(2-Methoxyethoxy)ethyl-1-2-methoxyethyl ether (Triethylene glycol dimethyl ether) Ferro Corp., Grant Chemical Div. Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)	(¹)		(¹)	
	Methoxypolyethylene glycol Company not disclosed Hoechst Celanese Corp., Sou Tex Works PPG Industries, Inc. Rhone Poulenc, Inc. Union Carbide Corp., Industrial Chemicals Div.	1,853	1,845	4,312	2.34
	Polyether polyols based on propylene oxide, all other Eastman Kodak Co., Texas Eastman Co. Div Texaco Chemical Co.	(¹)		(¹)	
	Polyethylene glycol Abbott Laboratories BASF Corp (Parsippany, NJ) Company not disclosed Dow Chemical Co. Henkel Corp. Olin Corp. (ii, iii, viii, ix, xii, xiv, xv) PPG Industries, Inc. Sherex Chemical Co., Inc. Union Carbide Corp., Industrial Chemicals Div. Witco Corp.	71,784	66,799	93,404	1.40
	Polyethylene glycol butyl ether, propoxylated ICI Americas, Inc., Specialty Chemicals Div.	(¹)	CI	(¹)	
	Polyhydric alcohol ethers, all other Union Carbide Corp., Industrial Chemicals Div.	(¹)	(¹)		
	Polyoxyalkylene glycol Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)		(¹)		
	Polyoxypropylene polyoxyethylene glycol, mixed Hoechst Celanese Corp., Sou Tex Works Union Carbide Corp., Industrial Chemicals Div.	(¹)	(¹)	(¹)	
	Polypropylene glycol BASF Corp (Parsippany, NJ) Company not disclosed Company not disclosed Dow Chemical Co. PPG Industries, Inc.	16,732	10,836	19,135	1.77

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29094960 —Continued					
Chemical description/Manufacturer—Continued					
	Rhone Poulenc, Inc. Texaco Chemical Co.				
	Polypropylene glycol butyl ether, ethoxylated (Polypropoxy butyl ether, ethoxylated) BASF Corp (Parsippany, NJ) PPG Industries, Inc.	(¹)	(1)	(1)	
	Polypropylene glycol butyl ether (Polypropoxy butyl ether) PPG Industries, Inc.	(¹)	(1)	(1)	
	Polytetramethylene glycol ether BASF Corp (Parsippany, NJ) GO Chemicals, Inc.	(1)	(1)	(1)	
	Propylene glycol t-butyl ether Atlantic Richfield Co., ARCO Chemical Co. Company not disclosed	(1)	(1)	(1)	
	Propylene glycol ethers (and propylene glycols), all other Dow Chemical Co.	(1)	(1)	(1)	
	Propylene glycol monobutyl ether Olin Corp. <i>viii, ix, xii, xiv, xv</i>	(1)	(1)	(1)	
	Propylene glycol monomethyl ether (1-Methoxy-2-propanol) Atlantic Richfield Co., ARCO Chemical Co. Olin Corp. <i>viii, ix, xii, xiv, xv</i>	(¹)	(¹)	(¹)	
	Tetraethylene glycol Dow Chemical Co. Eastman Kodak Co., Texas Eastman Co. Div Oxy Petrochemicals, Inc. Union Carbide Corp., Industrial Chemicals Div.	7,278		(1)	
	Tetra/penta glycols, mixed Chemical Exchange Industries, Inc.	(¹)		(1)	
	Thiodiglycol ethoxylated Rhone Poulenc, Inc.	(1)	(1)		
	Tridecyl alcohol, ethoxylated BASF Corp (Parsippany, NJ) Company not disclosed E.I. Dupont de Nemours & Co., Inc., Chems & Pigments Ethox Chemicals, Inc. Exxon Chemical Americas Grant Industries, Inc. High Point Chemical Corp. Hoechst Celanese Corp., Sou Tex Works ICI Americas, Inc., Specialty Chemicals Div. Milliken & Co., Milliken Chemical Div. PPG Industries, Inc. Rhone Poulenc, Inc. Sandoz Chemicals Corp. (Martin Plant) Witco Corp.	4,949	4,157	6,305	1.52
	Tridecyl alcohol, propoxylated and ethoxylated Ethox Chemicals, Inc. Heterene Chemical Corp.	(¹)	(¹)	(¹)	
	Triethylene glycol Chemical Exchange Industries, Inc. Dow Chemical Co. Eastman Kodak Co., Texas Eastman Co. Div Hoechst Celanese Corp., Chemical Group, Inc. (xv) Oxy Petrochemicals, Inc. P D Glycol	53,007	44,808	35,092	0.78

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29094950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Shell Oil Co., Shell Chemical Co. Texaco Chemical Co. Union Carbide Corp., Industrial Chemicals Div.				
	Trimethylheptanol, ethoxylated Texaco Chemical Co.	(1)	(1)	(1)	
	Trimethylnonyl alcohol, ethoxylated Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	Trimethylolpropane, alkoxyated BASF Corp (Parsippany, NJ) Ethox Chemicals, Inc. Rhone Poulenc, Inc. Witco Corp.	1,575	1,575	3,746	2.38
	Tripropylene glycol Atlantic Richfield Co., ARCO Chemical Co. Company not disclosed Dow Chemical Co. Eastman Kodak Co., Texas Eastman Co. Div	(1)	(1)	(1)	
	Tripropylene glycol monomethyl ether (3-(343-Methoxypropoxy]propoxy)propanol) Atlantic Richfield Co., ARCO Chemical Co. Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)	(1)	(1)	(1)	
	Residual Total	422,644	115,778	187,984	1.62
290950	Ether-phenols, ether-alcohol-phenols and their halogenated, sulfonated, nitrated or nitrosated derivatives				
	m-Phenoxytoluene Merichem Co.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
	Nonylphenol, propoxylated Witco Corp.	(1)	(1)	(1)	
	Residual Total		(1)	(1)	
29095040	Odoriferous or flavoring compounds of ether-phenols and -alcohol-phenols, their halogenated, sulfonated, nitrated, nitrosated derivatives				
	4-Allyl-2-methoxyphenol (Eugenol) Elan Chemical Co. Firmenich, Inc. Fragrance Resources, Inc. Givaudan Corp.	185,614 25	204,980 28	280,093 146	1.37 5.28
	Butyl alcohol, ethoxylated and phosphated Rhone Poulenc, Inc.	(1)		(1)	
	1,3-Butylene glycol, ethoxylated Hoechst Celanese Corp., Sou Tex Works	(1)	(1)	(1)	
	Diisobutylphenol, ethoxylated Rhone Poulenc, Inc.	(1)	(1)	(1)	
	1,1-Dimethoxy octane International Flavors & Fragrances, Inc.	(1)	(1)	(1)	
	1,2-Dimethoxy-4-propenylbenzene (4-Propenylveratrole) Firmenich, Inc.	(1)	(1)	(1)	
	Dodecylphenol, ethoxylated Harcros Chemicals, Inc. Henkel Corp. High Point Chemical Corp. Rhone Poulenc, Inc. Witco Corp.	2,410	2,366	4,830	2.04
	Epichlorohydrin bisphenol A, ethoxylated Company not disclosed	(1)	(1)		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29096040 —Continued					
	fl-Naphthol, ethoxylated BASF Corp (Parsippany, NJ)	(1)	(1)	(,)	
	Nonylphenol, ethoxylated BASF Corp (Parsippany, NJ) Calgene Chemical Corp. Company not disclosed Company not disclosed Ethox Chemicals, Inc. Exxon Chemical Americas Grant Industries, Inc. Harcros Chemicals, Inc. Henkel Corp. Heterene Chemical Corp. Hoechst Celanese Corp., Sou Tex Works ICI Americas, Inc., Specialty Chemicals Div. Jetco Chemicals, Inc. Lanza, Inc. Milliken & Co., Milliken Chemical Div. Mona Industries, Inc. Olin Corp. viii, ix, xii, xiv, xv) PPG Industries, Inc. Rhone Poulenc, Inc. Sandoz Chemicals Corp. (Martin Plant) Stepan Co. Texaco Chemical Co. Union Carbide Corp., Industrial Chemicals Div. Witco Corp.	172,102	194,522	252,484	\$ 1.30
	Nonylphenol, ethoxylated and propoxylated Ethox Chemicals, Inc. Harcros Chemicals, Inc. High Point Chemical Corp. Rhone Poulenc, Inc. Stepan Co. Witco Corp.	1,916	1,288	2,975	2.31
	Nonylphenol, ethoxylated and sulfated, sodium salt Henkel Corp. Rhone Poulenc, Inc. Witco Corp.	(¹)	(1)		
	Nonyl phenol, ethoxylated with mixed fatty acids SSC Industries, Inc.	(1)	(¹)	(¹)	
	nonylphenoxy ethoxycocoate RPM American Emulsions Co., Inc.	(1)	(1)	(1)	
	Octadecyl alcohol, ethoxylated Henkel Corp. Heterene Chemical Corp. High Point Chemical Corp. ICI Americas, Inc., Specialty Chemicals Div. Karlshamns, USA PPG Industries, Inc. Rhone Poulenc, Inc.	1,373	1,382	3,402	2.46
	n-Octylphenol, ethoxylated Harcros Chemicals, Inc. Henkel Corp. Rhone Poulenc, Inc. Witco Corp.	628	(¹)	(¹)	
	p-Propenylanisole (Anethole) SCM Corp., Glidco Organics Union Camp Corp.	(¹)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29095040 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	p-Propylanisol (Dihydroanethole) Arizona Chemical Co. Givaudan Corp.	(1)	(1)	(1)	
	Tridecylphenol, ethoxylated Witco Corp.	(1)	(1)	(1)	
	Residual Total	7,158	5,394	15,038	\$ 2.79
29095045	Ether-phenols, ether-alcohol-phenols & their halogenated, sulfonated, nitrated, nitrosated derivatives nesi, in add. U.S. note 3 to sec. VI	(1)	(1)	(1)	
	3-Chloropropyl-2,5-xyllyl ether Parke Davis Div. of Warner Lambert, Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29095050	Ether-phenols, ether-alcohol-phenols and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	1,617	1,553	19,228	12.38
	2 (and 3)-tert-Butyl-4-methoxyphenol (Butylated hydroxyanisole, or, BHA) Eastman Kodak Co., Tennessee Eastman Co. Div. UOP, Inc.	(1)	(1)	(1)	
	3-(2-Chloro-4-trifluoromethylphenoxy)toluene Company not disclosed	01	(1)	(1)	
	Guaifenesin B.I. Chemicals, Inc.	(1)	(1)	(1)	
	4-Methoxyphenol Eastman Kodak Co., Tennessee Eastman Co. Div. SpecialtyChem Products Corp.	(1)	(1)	(1)	
	Residual Total	1,617	1,553	19,228	12.38
290950XX	HTS Level Residual Total	759	(1)	(1)	
290960	Alcohol peroxides, ether peroxides, ketone peroxides and their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
29096020	Aromatic alcohol peroxides, ether peroxides, ketone peroxides and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	(1)	(1)	(1)	
	Bis(a,a-dimethylbenzyl)peroxide Elf Atochem North America, Inc., Fine Chem & Org. Div.	(1)	(1)	(1)	
	Cumene hydrogen peroxide Aristech Chemical Corp.	(1)	(1)	(1)	
	Cumene hydroperoxide BTL Specialty Resin Corp. Elf Atochem North America, Inc., Fine Chem & Org. Div. Witco Corp.	380	306	634	2.07
	Dicumyl peroxide Elf Atochem North America, Inc., Fine Chem & Org. Div.	(1)	(1)	(1)	
	Succinyl peroxide Elf Atochem North America, Inc., Fine Chem & Org. Div.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29096050	Nonaromatic alcohol, ether and ketone peroxides and their halogenated, sulfonated, nitrated or nitrosated derivatives	35,247	20,590	80,341	3.90
	Acyclic peroxides, all other Elf Atochem North America, Inc., Fine Chem & Org. Div.	(1)	(1)	(1)	
	tert-Amyl hydroperoxide Elf Atochem North America, Inc., Fine Chem & Org. Div. Witco Corp.	(1)	(1)	(1)	
	2-Butanone peroxide (MEK peroxide) Akzo Chemicals, Inc.	4,520	3,275	18,655	5.70

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29096050 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	<i>The Norac Co., Inc.</i>				
	<i>Witco Corp.</i>				
	tert. Butyl hydroperoxide	(¹)	(I)	(1)	
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	<i>Witco Corp.</i>				
	tert. Butyl peroxide (Di.tert. butyl peroxide)	(1)	(¹)		
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	<i>Witco Corp.</i>				
	2,5-Dimethyl-2,5-dihydroperoxy hexane	(1)	(¹)	(¹)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	2,5-Dimethyl-2,5-di(tert. butylperoxy)hexane	(¹)	(1)	(1)	
	<i>Aztec Catalyst Co.</i>				
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	2,5-Dimethyl-2,5-di(tert. butylperoxy)hexyne-3		(¹)	(1)	
	<i>Aztec Catalyst Co.</i>				
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	1,1-Di(tert. butyl peroxy) cyclohexane	(1)	(1)	(1)	
	<i>Aztec Catalyst Co.</i>				
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	1,1-Di(tert. butyl peroxy)-3,3,5-trimethyl cyclohexane	(1)	(¹)	(¹)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	Hexylene glycol hydroperoxide	(1)		(1)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	p-Menthane hydroperoxide	(¹)	(¹)	(¹)	
	<i>SCM Corp., Glidco Organics</i>				
	Pinane hydroperoxide		(¹)		
	<i>SCM Corp., Glidco Organics</i>				
	a-Pinene oxide	(1)		(1)	
	<i>SCM Corp., Glidco Organics</i>				
	Residual Total	30,726	17,314	61,686	\$ 3.56
2910	Epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring, and their halogenated, sulfonated, nitrated or nitrosated derivatives	(¹)			
291010	Oxirane (Ethylene oxide)	2,643,813	254,452	225,787	0.89
29101000	Oxirane (Ethylene oxide)	2,643,813	254,452	225,787	0.89
	Ethylene oxide	2,643,813	254,452	225,787	0.89
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Dow Chemical Co.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	<i>Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Quantum Chemical Corp., USI Div.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Sun Co., Inc.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
291020	Methyloxirane (Propylene oxide)	(¹)	(¹)		
29102000	Methyloxirane (Propylene oxide)	(¹)	(¹)	(¹)	
	Propylene oxide	(¹)	(¹)		
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Dow Chemical Co.</i>				
	Residual Total	(¹)	(1)	(1)	
291030	1-Chloro-2,3-epoxypropane (Epichlorohydrin)	(¹)	(¹)	(¹)	
29103000	1-Chloro-2,3-epoxypropane (Epichlorohydrin)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29103000 — Continued					
	Epichlorohydrin <i>Dow Chemical Co.</i> <i>Shell Oil Co., Shell Chemical Co.</i>	(¹)	(¹)	(¹)	
	Residual Total	(1)	(1)	(1)	
291090	Epoxides, epoxyalcohol, epoxyphenols and epoxyshenols and epoxyethers with a three-membered ring, and their derivatives, nesi	18,025	(9)	(1)	
29109010	Butylene oxide	(¹)	(1)	(1)	
	Butylene oxide <i>Dow Chemical Co.</i>	(1)	(1)	(1)	
	Residual Total	(¹)	(1)	(1)	
29109020	Aromatic epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring and their derivatives nesi	(¹)	1,634	10,882	\$ 6.66
	Bisphenol epichlorohydrin BASF Corp (Parsippany, NJ)	(¹)	(¹)	(¹)	
	Dodecyldiphenyloxidedisulfonic acid <i>Company not disclosed</i>	(1)	(1)	(¹)	
	Dodecyldiphenyloxidedisulfonic acid, disodium salt <i>Pilot Chemical Co.</i> <i>Rhone Poulenc, Inc.</i>	(¹)	(¹)	(¹)	
	Galaxolide (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethyl-cyclopenta-γ-2-benzopyran) <i>International Flavors & Fragrances, Inc.</i>	(¹)	(¹)	(¹)	
	Nonylphenol glycidyl ether <i>Dixie Chemical Co., Inc.</i>	(9)	(¹)	(1)	
	Nonylphenoxy poly(ethyleneoxy) ethyl iodide <i>Rhone Poulenc, Inc.</i>	(¹)	(1)	(1)	
	Residual Total	(1)	1,634	10,882	6.66
29109050	Nonaromatic epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring and their derivatives nesi	3,201	3,073	14,092	4.59
	1-(Allyloxy)-2,3-epoxypropane (Ally) glycidyl ether <i>CPS Chemical Co., Inc.</i>	(1)	(1)	(¹)	
	1-Butoxy-2,3-epoxypropane (Butyl glycidyl ether) <i>CPS Chemical Co., Inc.</i> <i>Company not disclosed</i>	(1)	(1)	(1)	
	α-Cedrene epoxide (Andrane) <i>Fragrance Resources, Inc.</i>	(1)	(¹)	(¹)	
	Cyclohexene oxide <i>Uniroyal Chemical Co., Inc.</i>	(¹)	(1)	(1)	
	Epoxides, ethers, acetals, all other <i>Elf Atochem North America, Inc.</i> <i>Henkel Corp.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(9)	(1)	(1)	
	Glycidol (2,3-Epoxy-1-propanol) <i>Dixie Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Glycidyl ethers, all other <i>Company not disclosed</i>	(1)	(1)	(1)	
	Isolongifolene epoxide <i>Givaudan Corp.</i>	(9)	(1)	(1)	
	α-Pinene oxide <i>Elf Atochem North America, Inc.</i>	(¹)	(1)	(1)	
	Sorbitol glycidyl ether <i>Dixie Chemical Co., Inc.</i>	(¹)	(1)	(1)	
	Residual Total	3,201	3,073	14,092	4.59
291090XX	HTS Level Residual Total	14,823	(1)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
2910XX	HTS Level Residual Total	(1)	184,439	190,178	\$ LO3
2911	Acetals and hemiacetals, whether or not with other oxygen function, and their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
291100	Acetals and hemiacetals, whether or not with other oxygen function, and their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
29110000	Acetals and hemiacetals, whether or not with other oxygen function, and their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
	Citral dimethyl acetal	(1)	01	0	
	<i>International Flavors & Fragrances, Inc.</i>				
	Hydratropaldehyde, dimethyl acetal	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Ivermectin	(1)	01	(1)	
	<i>Merck & Co., Inc.</i>				
	Phenylacetaldehyde, dimethyl acetal	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	<i>Firmenich, Inc.</i>				
	<i>Givaudan Corp.</i>				
	1,1,3,3-Tetramethoxypropane	(1)	01	(1)	
	<i>Huls America, Inc.</i>				
	Triethyl orthoacetate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Triethyl orthoformate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Triethyl orthopropionate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Trimethyl benzyl dioxane	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Trimethyl orthoacetate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Trimethyl orthoformate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
2912	Aldehydes, whether or not with other oxygen function; cyclic polymers of aldehydes; paraformaldehyde	(1)	(1)	(1)	
291211	Methane! (Formaldehyde)	3,754,955	1,108,759	128,133	0.12
29121100	Methanol (Formaldehyde)	3,754,955	1,108,759	128,133	0.12
	Formaldehyde (37% HCHO by Weight)	3,754,955	1,108,759	128,133	0.12
	<i>Aqualon Co.</i>				
	<i>Borden Chemical & Plastics Delaware Limited Partnership</i>				
	<i>Borden, Inc., Packaging & Industrial Products Div.</i>				
	<i>Degussa Corp</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Georgia Pacific Corp., Resins Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	<i>ISP Chemicals, Inc.</i>				
	<i>Monsanto Co.</i>				
	<i>Neste Resins Corp.</i>				
	<i>Perstorp Polyols, Inc.</i>				
	<i>Spurlock Adhesives, Inc.</i>				
	<i>Trimont Technical Products, Inc.</i>				
	<i>Wright Chemical Corp.</i>				
291212	Ethanal (Acetaldehyde)	(1)	(1)	(1)	
29121200	Ethanal (Acetaldehyde)	(1)	(1)	(1)	
	Acetaldehyde	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29121200 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Union Carbide Corp., Industrial Chemicals Div.				
	Residual Total	(1)			
291213	Butanal (Butyraldehyde, normal isomer)	852,792	28,323	13,714	\$ 0.48
29121300	Butanal (Butyraldehyde, normal isomer)	852,792	28,323	13,714	0.48
	Butyraldehyde	852,792	28,323	13,714	0.48
	BASF Corp (Parsippany, NJ)				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
291219	Acyclic aldehydes without other oxygen function, nesi	(1)	67,350	98,449	1.46
29121910	Citral	(1)	1,247	7,418	5.95
	3,7-Dimethyl-trans-2,6-octadienal (Citral A geranial)	(1)	(1)	(1)	
	<i>Fragrance Resources, Inc.</i>				
	<i>Union Camp Corp.</i>				
	3,7-Dimethyl-2,6-octadienal (citral a b)	(1)	(1)	(1)	
	<i>SCM Corp., Glidco Organics</i>				
	3,7-Dimethyl-cis-2,6-octadienal (Citral B) (Neral)	(1)	(1)	(1)	
	<i>Union Camp Corp.</i>				
	Residual Total	(1)	1,247	7,418	5.95
29121920	Odoriferous or flavoring compounds of acyclic aldehydes without other oxygen function, nesi	(1)	(1)	(1)	
	Decanal (Capraldehyde)	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	Dimethyloctanal	(1)	(1)	(1)	
	<i>SCM Corp., Glidco Organics</i>				
	3,7-Dimethyl-6-octen-1-al (Citronella!)	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	N-hexanal	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	2-Methylundecanal	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	Octanal	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	3,5,5-Trimethyl hexanal	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Undecanal	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	<i>Givaudan Corp.</i>				
	Valeraldehyde (Pentanal)	(1)	(1)	(1)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	(1)	(1)	(1)	
29121930	Glyoxal	(1)	(1)	(1)	
	Glyoxal	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>Cytec Industries</i>				
	Residual Total	(1)	(1)	(1)	
29121940	Isobutanal	(1)	(1)	(1)	
	Isobutyraldehyde	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	(1)	(1)	(1)	
29121950	Acyclic aldehydes without other oxygen function, nesi	203,679		(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29121950 —Continued					
	Acrolein (Acrylaldehyde) <i>Union Carbide Corp., Industrial Chemicals Div.</i>	CI	(¹)	(¹)	
	Aldehydes, acyclic, all other <i>Company not disclosed</i> <i>SpecialtyChem Products Corp.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(¹)	0i	
	Crotonaldehyde <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	↔	↔	↔	
	2-Ethylhexanal (a-Ethylcaproaldehyde) <i>Eastman Kodak Co., Texas Eastman Co. Div</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	↔	↔	(¹)	
	Glutaraldehyde <i>Union Carbide Corp., Industrial Chemicals Div.</i>	↔	(¹)	(¹)	
	2-Methylene undecanal <i>Company not disclosed</i>	(¹)	(¹)	↔	
	Nonanal <i>Firmenich, Inc.</i>	(¹)	↔	↔	
	Propionaldehyde <i>Eastman Kodak Co., Texas Eastman Co. Div</i> <i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	↔	(¹)	01	
	Residual Total	203,679	(¹)	(¹)	
291219XX	HTS Level Residual Total	(¹)	66,103	91,031	\$ 1.38
291221	Benzaldehyde	(¹)	(¹)	(¹)	
29122100	Benzaldehyde	(¹)	(¹)	(¹)	
	Benzaldehyde, tech. <i>Firmenich, Inc.</i> <i>Kalama Chemical, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total		↔	↔	
291229	Cyclic aldehydes without other oxygen functions, nesi	↔	(¹)	0)	
29122910	Phenylacetaldehyde	(¹)	↔	↔	
	Phenylacetaldehyde <i>Company not disclosed</i> <i>Givaudan Corp.</i>	↔	(¹)	↔	
	Residual Total	0)	(¹)	01	
29122950	Cyclic aldehydes without other oxygen function, other than benzaldehyde and phenylacetaldehyde	4,852	4,600	30,434	6.62
	a-Amyl cinnamic aldehyde <i>Kalama Chemical, Inc.</i>	(¹)	(¹)	CI	
	Benzaldehyde glyceryl acetal <i>Givaudan Corp.</i>	(¹)	(¹)	(¹)	
	p-tert-Butylbenzaldehyde <i>Givaudan Corp.</i>	(¹)	(¹)	(¹)	
	p-tert-Butyl-a-methylhydrocinnamalehyde <i>Givaudan Corp.</i>	(¹)	(¹)	(¹)	
	Campholenic aldehyde <i>Elf Atochem North America, Inc.</i>	(9	(¹)	(¹)	
	a-Campholenic aldehyde <i>SCM Corp., G/ldco Organics</i>	(¹)	(¹)	(¹)	
	Cinnamaldehyde <i>Elan Chemical Co.</i> <i>Kalama Chemical, Inc.</i>	(¹)	(¹)	(¹)	
	4,Dimethyl-1-3-cyclohexene-1-propanal <i>Firmenich, Inc.</i>	(¹)		↔	
	a-l-Ilexylcinnamaldehyde <i>Firmenich, Inc.</i> <i>International Flavors & Fragrances, Inc.</i>	(¹)		(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29122950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Kalama Chemical, Inc.</i>				
	Isohexenyl tetrahydrobenzaldehyde (Myrac aldehyde)	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	3-(2-Methoxyphenyl)-2-propenal	(1)	(9)	(1)	
	<i>Firmenich, Inc.</i>				
	N-(3-(p-tert-butylphenyl)-2-methylpropylidene) anthranilic acid, methyl ester	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	a-Pentylcinnamaldehyde	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	Residual Total	4,852	4,600	30,434	6.62
291230	Aldehyde-alcohols	(1)	324	5,596	17.27
29123020	Hydroxycitronellal	(1)	(1)	(1)	
	7-Hydroxy-3,7-dimethyl-1-octanal (Hydroxycitronellal)	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>SCM Corp., Glidco Organics</i>				
	Residual Total	(1)	(1)	(1)	
29123050	Nonaromatic aldehyde-alcohols, other than hydroxycitronellal	(1)	(1)	(1)	
	1-Acetoxy-2-sec-butyl-1-ethenylcyclohexane	(1)	(9)	(9)	
	<i>Givaudan Corp.</i>				
	4-Allyl-1,2-dimethoxybenzene (4-Allylveratrole)	01	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	4-(14-Hydroxy-4-methylpentyl)-3-cyclohexene-10-carboxaldehyde (Lyra)	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
291230XX	HTS Level Residual Total	(1)	324	5,596	17.27
291241	Vanillin (4-Hydroxy-3-methoxybenzaldehyde)	(1)	(1)	(1)	
29124100	Vanillin (4-Hydroxy-3-methoxybenzaldehyde)	(1)	(1)	(1)	
	4-Hydroxy-3-methoxybenzaldehyde [Vanillin]	(1)	(1)	(1)	
	<i>ITT Rayonier Liguin Products, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Residual Total	(1)	19	(1)	
291242	Ethylvanillin (3-Ethoxy-4-hydroxy-benzaldehyde)	(1)	(1)	(1)	
29124200	Ethylvanillin (3-Ethoxy-4-hydroxy-benzaldehyde)	(1)	(1)	(1)	
	4-Hydroxy-3-ethoxybenzaldehyde (Ethylvanillin)	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
291249	Aldehyde-ethers, aldehyde-phenols and aldehydes with other oxygen functions, nesi	(1)	(1)	(1)	
29124920	Aromatic aldehyde-ethers, aldehyde-phenols and aldehydes with other oxygen function, nesi	(1)	(1)	(1)	
	i-Butylaldehyde trimer	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	o-Methoxy benzaldehyde	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	3-(4-Methoxyphenyl)-2-methyl propanal	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	4-Methylbenzene propanal	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	Octahydro-5-methoxy-4,7-methano-1H-indene, 2-carboxaldehyde	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	Veratraldehyde (3,4-Dimethoxybenzaldehyde)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29124920 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Givaudan Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
291260	Paraformaldehyde		(¹)		
29126000	Paraformaldehyde	(¹)	(¹)	(¹)	
	Paraformaldehyde	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	Residual Total	(1)	(1)	(¹)	
2912XX	HTS Level Residual Total	(1)	(¹)	(1)	
2913	Halogenated, sulfonated, nitrated or nitrosated derivatives of products of heading 2912	(¹)	(¹)	(¹)	
291300	Halogenated, sulfonated, nitrated or nitrosated derivatives of products of heading 2912	(1)	(¹)	(¹)	
29130010	Aromatic halogenated, sulfonated, nitrated or nitrosated derivatives of products of heading 2912	(¹)			
	Anisaldehyde bisulfite	(¹)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Residual Total	(1)	(1)	(1)	
29130050	Nonaromatic halogenated, sulfonated, nitrated or nitrosated derivatives of products of heading 2912	(¹)	(1)	(1)	
	Glutaraldehyde bis(sodium bisulfite)	(1)	(1)	(1)	
	<i>Fairmount Chemical Co., Inc.</i>				
	Phosgene (Carbonyl chloride)	175,979	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Rubicon, Inc. (sec xv)</i>				
	<i>Vandemark Chemical Co., Inc.</i>				
	Residual Total	(1)	(¹)	(¹)	
2913XX	HTS Level Residual Total		(¹)	(¹)	
2914	Ketones and quinones, whether or not with other oxygen function, and their halogenated, sulfonated, nitrated, or nitrosated derivatives				
291411	Acetone	2,093,944	1,246,124	711,480	\$ 0.57
29141110	Acetone, derived in whole or in part from cumene	1,104,319	806,701	309,369	0.38
	Acetone	1,104,319	806,701	309,369	0.38
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Aristech Chemical Corp</i>				
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>BTL Specialty Resin Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>General Electric Co., Speciality Chemical group</i>				
	<i>Georgia Guff Corp., Houston Div.</i>				
	<i>Georgia Guff Corp., Plaquemine Div.</i>				
	<i>J. T. Baker Chemical Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
291412	Butanone (Methyl ethyl ketone)	217,102	235,951	135,936	0.58
29141200	Butanone (Methyl ethyl ketone)	217,102	235,951	135,936	0.58
	Methyl ethyl ketone	217,102	235,951	135,936	0.58
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
291413	4-Methylpentan-2-one (Methyl isobutyl ketone)	(¹)	(¹)		
29141300	4-Methylpentan-2-one (Methyl isobutyl ketone)	(¹)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29141300 —Continued					
	Diisopropyl ketone (2,4-Dimethyl-3-pentanone) Eastman Kodak Co., Texas Eastman Co. Div	(¹)	(¹)	(¹)	
	Isovalerone (Diisobutyl ketone) Eastman Kodak Co., Tennessee Eastman Co. Div. Union Carbide Corp., Industrial Chemicals Div.	(¹)	(1)	(1)	
	Ketones, all other Eastman Kodak Co., Tennessee Eastman Co. Div.	(1)	(1)	(1)	
	Methyl isobutyl ketone Eastman Kodak Co., Tennessee Eastman Co. Div. Exxon Chemical Americas Shell Oil Co., Shell Chemical Co. Union Carbide Corp., Industrial Chemicals Div.	74,500	81,760	78,897	\$ 0.96
	Residual Total	(1)	(1)	(¹)	
291419	Acyclic ketones without other oxygen function, nesi	(11)	(1)	(1)	
29141900	Acyclic ketones without other oxygen function, nesi	(11)	(1)	(1)	
	(2-Cyclopenten-1-yl)-2-propanone Parke Davis Div. of Warner Lambert, Inc.	(1)	(1)	(1)	
	3-Heptanone (Ethyl butyl ketone) Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	2-Heptanone (Methyl amyl ketone) Eastman Kodak Co., Tennessee Eastman Co. Div.	(1)	(1)	(1)	
	6-Isopropyldecalone Givaudan Corp.	(1)	(1)	(1)	
	5-Methyl-2-hexanone (Methyl isoamyl ketone) Eastman Kodak Co., Tennessee Eastman Co. Div.	(¹)	(¹)	(¹)	
	Methylisopropyl ketone Eastman Kodak Co., Texas Eastman Co. Div	(¹)	(¹)	(1)	
	4-Methyl-3-penten-2-one (Mesityl oxide) Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	Methylpropyl ketone Eastman Kodak Co., Tennessee Eastman Co. Div.	(1)	(¹)	(¹)	
	Methylpseudoionone Union Camp Corp.	(1)	(1)	(1)	
	2-Octanone (Hexyl methyl ketone) UOP, Inc. Union Camp Corp., Chemical Div.	(1)	(1)	(1)	
	3-Pentanone (Diethyl ketone) Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	Pseudoionone SCM Corp., Glidco Organics Union Camp Corp.	(¹)	(1)	(1)	
	Trimethyl-cyclododeca-trienyl ethanone International Flavors & fragrances, Inc.	(1)	(1)	(1)	
	2,6,8-Trimethyl-4-nonanone (Isobutyl heptyl ketone) Union Carbide Corp., Industrial Chemicals Div.	(¹)	(¹)	(¹)	
	2-Undecanone Akzo Chemicals, Inc.	(¹)		(¹)	
	Residual Total	(¹)	(1)	(1)	
291419XX	HTS Level Residual Total	(1)	(1)		
291422	Cyclohexanone and methylcyclohexanones	478,308	56,331	48,452	0.86
29142210	Cyclohexanone	478,308	56,331	48,452	0.86
	Cyclohexanone Allied Signal, Inc., Engineered Materials Sector BASF Corp (Parsippany, NJ) DSM Chemicals, North America, Inc.	478,308	56,331	48,452	0.86

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29142210 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>					
291423	lonones and methylionones	857	(1)	(1)	
29142300	lonones and methylionones	857	(1)	(1)	
	Beta methyl ionone coevr <i>International Flavors & Fragrances, Inc.</i>	(1)	(1)	(1)	
	a-Ionone <i>Givaudan Corp.</i> <i>International Flavors & Fragrances, Inc.</i> <i>SCM Corp., Glidco Organics</i>	(1)		(1)	
	/3-Ionone <i>SCM Corp., Glidco Organics</i>	(1)	(1)	(1)	
	Ionone(a- and ft-) <i>Elan Chemical Co.</i> <i>Givaudan Corp.</i> <i>SCM Corp., Glidco Organics</i> <i>Union Camp Corp.</i>	30	(1)	(1)	
	y-Methylionone <i>Fragrance Resources, Inc.</i> <i>Givaudan Corp.</i> <i>International Flavors & Fragrances, Inc.</i> <i>Union Camp Corp.</i>	702	475	9,161	\$ 19.29
	Methylionone(a- and ft-) <i>Givaudan Corp.</i> <i>International Flavors & Fragrances, Inc.</i> <i>Union Camp Corp.</i>	86	(1)	(1)	
	6-Methyl-a-ionone <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-1,6-heptadien-3-one (Allyl-a-ionone) <i>International Flavors & Fragrances, Inc.</i>	(1)	(1)	PI	
	Residual Total	40		(1)	
291429	Cyclanic, cyclenic or cycloterpenic ketones without other oxygen functions, nesi	(1)	(1)	(1)	
29142910	Isophorone	(1)	(1)	(1)	
	Isophorone (3,5,5-Trimethyl-2-cyclohexene-1-one) <i>Exxon Chemical Americas</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(9)	(1)	
	Residual Total	(1)	(1r)	(1)	
29142950	Cyclanic, cyclonic or cycloterpenic ketones without other oxygen function, nesi	(1)	(1)	(1)	
	2-sec-Butylcyclohexanone <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	I-Carvone <i>SCM Corp., Glidco Organics</i>	(1)	(1)	(1)	
	Dihydrocarvone <i>SCM Corp., Glidco Organics</i>	(1)	(1)	(1)	
	3-5 Dimethyl cyclopentadione <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	2-Heptylcyclopentanone <i>International Flavors & fragrances, Inc.</i>	PI	(1)	(1)	
	Isomenthone <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	p-Menth-1-en-3-one (Piperitone) <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	p-Menth-4-(8)-en-3-one (Pulegone) <i>Givaudan Corp.</i>	(1)	(1)	(1)	
	Trimethyl cyclohexenyl butenone <i>International Flavors & Fragrances, Inc.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29142960 — Continued					
	Residual Total	⊘	(¹)	⊘	
291430	Aromatic ketones without other oxygen function	1,755	(¹)	(¹)	
29143000	Aromatic ketones without other oxygen function	1,755	(¹)	(¹)	
	2'-Acetonaphthone (fl-Methyl naphthyl ketone) <i>Givaudan Corp.</i>		(¹)	(¹)	
	Acetophenone, tech. <i>Sandoz Chemicals Corp. (Martin Plant)</i>	⊘	⊘	(¹)	
	Benzophenone <i>Parke Davis Div. of Warner Lambert, Inc.</i> <i>Velsicol Chemical Corp.</i>		(¹)	(¹)	
	p-Benzoquinone <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(¹)	⊘	(1)	
	1,5-Dibenzoylnaphthalene <i>Company not disclosed</i>	⊘	⊘	⊘	
	1,2,3-Indantrione monohydrate (Ninhydrin) <i>Pierce Chemical Co.</i>	⊘	(¹)	⊘	
	Tetramethyl, octahydro acetophenone <i>International flavors & Fragrances, Inc.</i>	⊘	⊘	⊘	
	Residual Total	1,755		(¹)	
291430XX	HTS Level Residual Total			(¹)	
291441	4-Hydroxy-4-methylpentan-2-one (Diacetone alcohol)	(¹)	(¹)		
29144100	4-Hydroxy-4-methylpentan-2-one (Diacetone alcohol)	(¹)	(¹)	(¹)	
	4-Hydroxy-4-methyl-2-pentanone (Diacetone alcohol) <i>Shell Oil Co., Shell Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)			
	Residual Total	⊘	(¹)	(¹)	
291449	Ketone-alcohols and ketone-aldehydes, nesi	(1)	PI	(¹)	
29144950	Nonaromatic ketone alcohols and ketone aldehydes, nesi	(¹)	(¹)	PI	
	Dihydro pentamethyl indanone <i>International Flavors & Fragrances, Inc.</i>	⊘	(¹)	⊘	
	Residual Total	PI	⊘	(1)	
291460	Ketone-phenols and ketones with other oxygen function	(¹)	(¹)	PI	
29145020	Aromatic ketone-phenols and ketones with other oxygen function	(¹)	(¹)	(¹)	
	1'-Acetonaphthone <i>P.D. George Co.</i>	PI	01	(¹)	
	3-Bromoacetophenone <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	2,4-Dihydroxybenzophenone <i>BASF Corp (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	2,2'-Dihydroxy-4,4'-dimethoxybenzophenone <i>BASF Corp (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	4,4'-Dimethoxy-2,2'-dihydroxybenzophenone <i>BASF Corp (Parsippany, NJ)</i>	PI	(¹)	0)	
	4-(Dodecyloxy)-2-hydroxybenzophenone <i>Mona Industries, Inc.</i>	(¹)	(¹)	(¹)	
	2-Hydroxy-4-allyloxybenzophenone <i>BASF Corp (Parsippany, NJ)</i>	(¹)	(¹)	PI	
	2-Hydroxy-4-methoxybenzophenone <i>BASF Corp (Parsippany, NJ)</i>	⊘	(¹)	(¹)	
	2-Hydroxy-4-methoxybenzophenone <i>ISP Van Dyk, Inc.</i>	(¹)	(¹)	(¹)	
	414-Hydroxy-3-methoxyphenyl)-2-butanone (Vanillylacetone) <i>Givaudan Corp.</i>	⊘			

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29145020 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	2-Hydroxy-4-octoxybenzophenone BASF Corp (Parsippany, NJ)	(1)	(1)	(1)	
	2-Hydroxy-4-n-octoxybenzophenone	(1)	(1)	(1)	
	1-p-Methoxyphenyl penten-1-one-3 (a-Methyl-anisalacetone) Givaudan Corp.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29145050	Nonaromatic ketone-phenols and ketones with other oxygen function			(1)	
	2-Methyl-1,3-cyclohexadiene SCM Corp., Glidco Organics	(1)	(1)	(1)	
	2,4-Pentanedione (Acetylacetone) Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	Residual Total	(1)		(1)	
291450XX	HTS Level Residual Total	(1)		(1)	
291469	Quinones, excluding anthraquinones	(1)	(1)	(1)	
29146950	Quinones, nesi	(1)		(1)	
	2,5-Di-ten-butylhydroquinone Eastman Kodak Co., Tennessee Eastman Co. Div.	(1)	(1)	(1)	
	2-Methylanthraquinone Cytac Industries	(1)	(1)	(1)	
	Residual Total		(1)	(1)	
291470	Ketone and quinone halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
29147020	Aromatic halogenated, sulfonated, nitrated or nitrosated derivatives of ketones and quinones, nesi	(1)	(1)	(1)	
	2-Bromo-4'-hydroxyacetophenone Buckman Laboratories, Inc.	(1)	(1)	(1)	
	Chloro-7H-benztdelantracen-7-one (Chlorobenzanthrone) Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)		
	1-Chloro-4-hydroxyanthraquinone Miles, Inc.	(1)	(1)	(1)	
	2-Cyclopropylmethylamino-5-chlorobenzophenone Parke Davis Div. of Warner Lambert, Inc.	(1)	(1)	(1)	
	p-Hydroxy phenylbutanone Givaudan Corp.	(1)	(1)	(1)	
	Quinone dioxime Lord Corp., Chemical Products Div.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29147060	Nonaromatic halogenated, sulfonated, nitrated or nitrosated derivatives of ketones and quinones, nesi		(1)	(1)	
	5-Chloro-2-pentanone Sterling Drug, Inc., Sterling Organics Div.	(1)	(1)	(1)	
	1-Chloropinacolone Miles, Inc., Agricultural Chemicals Div.	(1)	(1)	(1)	
	Chloro-2-propanone (Chloroacetone) Merck & Co., Inc.	(1)		(1)	
	Cyclohexanone oxime DSM Chemicals, North America, Inc.	(1)	(1)	(1)	
	1,5(and 1,81-Diaminoanthraquinone Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
2914XX	HTS Level Residual Total	206,645	55,359	31,428	\$ 0.57
2915	Saturated acyclic monocarboxylic acids and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	4,622,431	2,378,787	1,870,491	0.79

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
291511	Formic acid	(1)		(1)	
29151100	Formic acid	(1)	(1)	(1)	
	Formic acid, 90%	(1)		(1)	
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Residual Total	(1)	(1)	(1)	
291512	Salts of formic acid	(1)	(1)	(1)	
29151200	Salts of formic acid	(1)	(1)	(1)	
	Aluminum formate	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Ammonium formate	(1)	(1)	(1)	
	R.S.A. Corp.				
	Bismuth formic iodide	(1)	(1)	(1)	
	R.S.A. Corp.				
	Calcium formate	(1)	(1)	(1)	
	Trimont Technical Products, Inc.				
	Sodium formate, technical	(1)	(1)	(1)	
	J. T. Baker Chemical Co.				
	Residual Total	(1)	(1)	(1)	
291612XX	HTS Level Residual Total	(1)		(1)	
291513	Esters of formic acid	24	(1)	(1)	
29151310	Aromatic esters of formic acid	(1)	(1)	(1)	
	3,7-Dimethyl-1,6-octadien-3-yl formate		(1)	(1)	
	Givaudan Corp.				
	Phenethyl formate	(1)		(1)	
	Elan Chemical Co.				
	International Flavors & Fragrances, Inc.				
	Residual Total	(1)		(1)	
29151350	Nonaromatic esters of formic acid	(1)	(1)	(1)	
	Cedryl formate	(1)	(1)	(1)	
	International Flavors & Fragrances, Inc.				
	Citronellyl formate	11	9	211	\$ 23.43
	Elan Chemical Co.				
	Givaudan Corp.				
	International Flavors & Fragrances, Inc.				
	Geranyl formate	(1)		(1)	
	Elan Chemical Co.				
	Fragrance Resources, Inc.				
	Givaudan Corp.				
	Isopentyl formate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Residual Total	(1)	(1)	(1)	
291513XX	HTS Level Residual Total	(1)	(1)	(1)	
	Anhydrosorbitol glycerol monolaurate	(1)	(1)	(1)	
	Calgene Chemical Corp.				
	Anhydrosorbitol monolaurate	3,378	3,035	6,022	1.98
	ICI Americas, Inc., Specialty Chemicals Div.				
	Lonza, Inc.				
	PPG Industries, Inc.				
	Residual Total	(1)	(1)	(1)	
291521	Acetic acid	1,630,099	507,210	198,265	0.39
29152100	Acetic acid	1,630,099	507,210	198,265	0.39
	Acetic acid, synthetic (100%)	1,630,099	507,210	198,265	0.39
	Air Products & Chemicals, Inc.				
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Monsanto Co.				
	Quantum Chemical Corp., USI Div.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29152100 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sterling Chemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
291522	Sodium acetate	20,579	(1)	(1)	
29152200	Sodium acetate	20,579	(1)	(1)	
	Sodium acetate	20,579	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Honig Chemical & Processing Corp.</i>				
	<i>J. T. Baker Chemical Co.</i>				
	<i>Jarchem Industries, Inc.</i>				
	<i>Niacet Corp.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total		(1)	(1)	
291522XX	HTS Level Residual Total		(1)	(1)	
291523	Cobalt acetates	(1)	(1)	(1)	
29152300	Cobalt acetates	(1)		(1)	
	Cobalt acetate		(1)	(1)	
	<i>Shepherd Chemical Co.</i>				
	Residual Total	(1)	(1)		
291524	Acetic anhydride	(1)		(1)	
29152400	Acetic anhydride			(1)	
	Acetic anhydride, other than recovered acetic anhydride the vapor-phase process (100%)	(1)	(1)		
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	(1)	(1)	(1)	
291529	Acetic acid salts nesi	(1)	(1)		
29152900	Acetic acid salts nesi	3,203	2,947	9,432	3.20
	Aluminum acetate	(1)	(1)	(1)	
	<i>Niacet Corp.</i>				
	Ammonium acetate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>J. T. Baker Chemical Co.</i>				
	Calcium acetate	(1)	(1)	(1)	
	<i>Ducoa</i>				
	<i>Niacet Corp.</i>				
	<i>Syntex Agribusiness, Inc.</i>				
	Chromium acetate	(1)	(1)	(1)	
	<i>Shepherd Chemical Co.</i>				
	Cobalt manganese acetate	(1)	(1)	(1)	
	<i>Shepherd Chemical Co.</i>				
	Copper acetate		(1)	(1)	
	<i>J. T. Baker Chemical Co.</i>				
	Hydrazine acetate	(1)	(1)	(1)	
	<i>Fairmount Chemical Co., Inc.</i>				
	Lead acetate	(1)	(1)	(1)	
	<i>J. T. Baker Chemical Co.</i>				
	Magnesium acetate		(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>J. T. Baker Chemical Co.</i>				
	<i>Shepherd Chemical Co.</i>				
	Manganese acetate	(1)	(1)	(1)	
	<i>Shepherd Chemical Co.</i>				
	Nickel acetate	(1)	(1)	(1)	
	<i>Shepherd Chemical Co.</i>				
	Potassium acetate	791		(1)	
	<i>Honig Chemical & Processing Corp.</i>				
	<i>J. T. Baker Chemical Co.</i>				

See endnotes at end of table.

Table 3 - Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
NTS No. 29152900 -Continued					
<i>Chemical description/Manufacturer-Continued</i>					
	Jarchem Industries, Inc.				
	Niacet Corp.				
	Pelron Corp.				
	Sodium diacetate	(1)	(1)		
	Honig Chemical & Processing Corp.				
	Jarchem Industries, Inc.				
	Niacet Corp.				
	Zinc acetate		(1)	(1)	
	J. T. Baker Chemical Co.				
	Shepherd Chemical Co.				
	Zirconium acetate	(1)	(1)	(1)	
	C.N.C. International, Inc.				
	Magnesium Elektron, Inc.				
	Residual Total	2,412	2,947	7,628	\$ 2.59
	a-Methylcinnamaldehyde	(1)	(1)	(1)	
	International Flavors & Fragrances, Inc.				
	Residual Total	(1)		(1)	
291631	Ethyl acetate	124,806	111,551	83,048	0.74
29153100	Ethyl acetate	124,806	111,551	83,048	0.74
	Ethyl acetate (100% basis)	124,806	111,551	83,048	0.74
	Eastman Kodak Co., Texas Eastman Co. Div				
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Monsanto Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
291532	Vinyl acetate	1,204,987	937,446	515,695	0.55
29153200	Vinyl acetate	1,204,987	937,446	515,695	0.55
	Vinyl acetate, monomer	1,204,987	937,446	515,695	0.55
	E.I. Dupont de Nemours & Co., Inc., Polymer Products				
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Quantum Chemical Corp., USI Div.				
	Union Carbide Corp., Industrial Chemicals Div.				
291533	n-Butyl acetate	123,974	93,493	72,157	0.77
29153300	n-Butyl acetate	123,974	93,493	72,157	0.77
	n-Butyl acetate	123,974	93,493	72,157	0.77
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Union Carbide Corp., Industrial Chemicals Div.				
291535	2-Ethoxyethyl acetate (Ethylene glycol, monoethyl ether acetate)	(1)	(1)	(1)	
29153500	2-Ethoxyethyl acetate (Ethylene glycol, monoethyl ether acetate)	(1)	(1)	(1)	
	2-Ethoxyethyl acetate	(1)	(1)	(1)	
	Oxy Petrochemicals, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Residual Total	(1)		(1)	
291539	Esters of acetic acid, nest	131,210		(1)	
29153910	Benzyl acetate		(1)	(1)	
	Benzyl acetate	(1)	(1)	(1)	
	Haarmann & Reimer Corp.				
	Kalama Chemical, Inc.				
	Guaiacwood acetate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Residual Total	(1)	(1)		
29153920	Odoriferous or flavoring compounds of aromatic esters of acetic acid, other than benzyl acetate	180	163	2,067	12.69
	Anisyl acetate	(1)	(1)	(1)	
	Elan Chemical Co.				
	Givaudan Corp.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29153920 —Continued					
	Cinnamyl acetate Elan Chemical Co.	(1)	(1)	(1)	
	Citronellyl acetate Elan Chemical Co. Fragrance Resources, Inc. Givaudan Corp. International Flavors & Fragrances, Inc. SCM Corp., Glidco Organics	42	38	431	1 1 .30
	Cuminyl acetate International Flavors & Fragrances, Inc.	(1)	(1)	(1)	
	Ethyl phenylacetate Elan Chemical Co.	(1)	(1)	(1)	
	4,7-Methano-1H-indene-2-methanol octahydro acetate Firmenich, Inc.	(1)	(1)	(1)	
	2-Methoxy-4-propenylphenol,acetate Elan Chemical Co.	(1)	(1)		
	a-Methylbenzyl acetate (Styralyl acetate) International Flavors & Fragrances, Inc.	(1)	(1)	(1)	
	Phenethyl acetate International Flavors & Fragrances, Inc.	(1)	(1)	(1)	
	3-Phenylpropyl acetate Elan Chemical Co. Givaudan Corp.			(1)	
	p-Tolyl acetate Elan Chemical Co.	(1)	(1)	(1)	
	a-(Trichloromethyl)benzyl acetate (Rosetone) Arsynco, Inc., Sub. of Aceto Corp	(1)	(1)		
	Residual Total	138	125	1,636	13.11
	29153930 Aromatic esters of acetic acid described in additional U.S. note 3 to section VI	(1)	(1)	(1)	
	Nonylphenol poly(ethyleneoxy)acetic acid, sodium salt Burlington Industries	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
	29153940 Linalyl acetate		(1)		
	3,7-Dimethyl-1,6-octadien-3-ol,acetate (Linalyl acetate) Givaudan Corp. SCM Corp., Glidco Organics	(1)	(1)	(1)	
	Residual Total	(1)		(1)	
	29153945 Odoriferous or flavoring compounds of nonaromatic esters of acetic acid, nesl	(1)	(1)	(1)	
	Acetyl cedrene (Vertoflex) Fragrance Resources, Inc.	(1)	(1)	(1)	
	Amyl cyclohexyl acetate International Flavors & Fragrances, Inc.	(1)	(1)	(1)	
	Amyris acetate Givaudan Corp.	(1)	(1)	(1)	
	o-tert-Butylcyclohexyl acetate Firmenich, Inc. International Flavors & Fragrances, Inc.	(1)	(1)	(1)	
	Cedryl acetate Elan Chemical Co. Fragrance Resources, Inc. International Flavors & Fragrances, Inc.		57	720	12.64
	Cyclohexyl ethyl acetate International Flavors & Fragrances, Inc.		(1)	(1)	
	trans-Decahydro-fl-naphthyl acetate	(1)		(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29153945 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>International Flavors & Fragrances, Inc.</i>				
	Decyl acetate	(¹)	(¹)	(¹)	
	<i>Givaudan Corp.</i>				
	Dihydronordicyclopentadienyl acetate (Cyclacet)	(¹)	(¹)	(¹)	
	<i>Firmenich, Inc.</i>				
	3,7-Dimethyl-cis-2,6-octadienol, acetate (Neryl acetate)	14	8	118	\$ 1 5.1 0
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>SCM Corp., Glidco Organics</i>				
	Dimethyloctanyl acetate	(1)	(1)	(1)	
	<i>SCM Corp., Glidco Organics</i>				
	Geranyl acetate	137	99	1,007	10.15
	<i>Elan Chemical Co.</i>				
	<i>Firmenich, Inc.</i>				
	<i>Fragrance Resources, Inc.</i>				
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>Northwestern Flavors, Inc.</i>				
	<i>SCM Corp., Glidco Organics</i>				
	<i>Union Camp Corp.</i>				
	cis-3-Hexen-1-yl acetate	(¹)	(¹)	(¹)	
	<i>Fragrance Resources, Inc.</i>				
	Isobornyl acetate	(¹)	(¹)	(¹)	
	<i>SCM Corp., Glidco Organics</i>				
	Isobutyl acetate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Northwestern Flavors, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Isopentyl acetate (Isoamyl acetate)	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	<i>Northwestern Flavors, Inc.</i>				
	Isopulegyl acetate	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	Menthyl acetate	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	<i>SCM Corp., Glidco Organics</i>				
	3-Methyl-2-butenyl acetate	(1)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Methyl-3-oxo-2-pentane acetate	(¹)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	Myrcenyl acetate	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	1,3-Nonanediol acetate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	Nopyl acetate	(¹)	(¹)	(¹)	
	<i>Union Camp Corp.</i>				
	Ocimenyl acetate	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	N-Octyl acetate	(1)	(1)	(1)	
	<i>SCM Corp., Glidco Organics</i>				
	3-Oxo-2-pentylcyclopropane acetic acid	(1)		(1)	
	<i>Company not disclosed</i>				
	Polypropoxydiethylmethyl acetate	(¹)	(1)	(1)	
	<i>Witco Corp.</i>				
	Propyl acetate	38,958	32,900	32,678	0.99

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29153945 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Tepyl acetate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	a-Terpinyyl acetate		(¹)	(¹)	
	<i>SCM Corp., Glidco Organics</i>				
	<i>Union Camp Corp.</i>				
	Tetrahydrolinallyl acetate	(¹)	(¹)	¹ ₁	
	<i>SCM Corp., Glidco Organics</i>				
	2,4,6,8-Tetramethylnonan-1-y1 acetate	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	Tetramethyl octahydro acetyl naphthalene	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Vetivenyl acetate	(¹)	(¹)		
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	Residual Total	(¹)	(1)	(1)	
29153947	Acetates of polyhydric alcohols or of polyhydric alcohol ethers	(¹)	(¹)	(¹)	
	2-(2-Butoxyethoxy)ethyl acetate	(1)	3,818	5,768	\$ 1.51
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	2-Butoxyethyl acetate	6,548	6,420	9,485	1.48
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Dipropylene glycol monomethyl ether acetate	(¹)	(¹)	(¹)	
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Company not disclosed</i>				
	2-(2-Ethoxyethoxy)ethyl acetate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Ethylene glycol diacetate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Glyceryl diacetate (Diacetin)	(¹)	(¹)	(¹)	
	<i>C.P. Hall Co.</i>				
	Glyceryl triacetate (Triacetin)	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	1-Methoxy-2-propyl acetate	(1)	(1)	(1)	
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>Company not disclosed</i>				
	Sucrose octa-acetate	(1)	(1)	(1)	
	<i>Syntex Agribusiness, Inc.</i>				
	Residual Total	(¹)	(¹)	(1)	
29153950	Nonaromatic esters of acetic acid, nesi		(1)	(1)	
	Amyl acetate (n-Pentyl acetate)	(1)	(1)	(1)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Butoxyethylene oxyacetic acid, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	tert-Butyl peroxyacetate	(1)	(¹)	(¹)	
	<i>Aztec Catalyst Co.</i>				
	<i>Eff Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	2-Ethyl-1-hexyl acetate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Isopropyl acetate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29153950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Tridecyloxypoly(ethyleneoxy)acetic acid, sodium salt	(1)	(1)	(¹)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	Residual Total	(1)	(¹)	(¹)	
291539XX	HTS Level Residual Total	27,871	(¹)	(¹)	
291540	Mono-, di- or trichloroacetic acids, their salts and esters	(1)	(1)	V/	
29154010	Chloroacetic acids	(¹)	III	(¹)	
	Chloroacetic acid, mono	(1)	(¹)	(¹)	
	<i>Niacet Corp.</i>				
	<i>Pfizer, Inc.</i>				
	2,2-Dichloroacetyl chloride	(1)	(1)	PI	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	Residual Total	(¹)	(9)	(1)	
291550	Propionic acid, its salts and esters	(¹)	In	In	
29155010	Propionic acid	III	(1)	(1)	
	Propionic acid	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total	(1)	(1)	(¹)	
29155020	Aromatic salts and esters of propionic acid	(1)	(¹)	(¹)	
	Benzyl propionate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	Cinnamyl propionate	(¹)	(9)	(1)	
	<i>Elan Chemical Co.</i>				
	Phenethyl propionate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	Residual Total	(1)	(1)	(1)	
29155050	Nonaromatic salts and esters of propionic acid	36,212	42,455	43,240	\$ 1.02
	Ammonium propionate	(¹)	(1)	(1)	
	<i>Kemin Industries, Inc.</i>				
	Calcium propionate	16,827	15,889	15,632	0.98
	<i>Diversified Technology, Inc.</i>				
	<i>Ducoa</i>				
	<i>Kemin Industries, Inc.</i>				
	<i>Niacet Corp.</i>				
	<i>Syntex Agribusiness, Inc.</i>				
	Caprylamphopropionate	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	Citronellyl propionate	(1)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Dihydronordicyclopentadienyl propionate (Cyclaprop) (Verdyl propionate extra)	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	Ethyl 3-ethoxy propionate	(1)	(1)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Texaco Chemical Co.</i>				
	Ethyl propionate	(1)	(1)	(1)	
	<i>Northwestern Flavors, Inc.</i>				
	Geranyl propionate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	Glyceryl tripropionate	(1)	(1)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Isobornyl propionate	(1)	(¹)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29156060 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Elan Chemical Co.</i>				
	Sodium propionate	(¹)	(¹)	(¹)	
	<i>Ducoa</i>				
	<i>Niacet Corp.</i>				
	<i>Syntex Agribusiness, Inc.</i>				
	a-Terpinyl propionate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	Residual Total	19,385	26,565	27,608	\$ 1.04
	Zinc laurate (Activator, physical property improver, and processing auxiliary)	(¹)	(¹)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	(¹)		(¹)	
291560	Butyric acids, valeric acids, their salts and esters	(¹)	(¹)	(¹)	
29156010	Aromatic salts and esters of butyric acids and valeric acids	(¹)	(¹)	(¹)	
	Benzyl butyrate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	Benzyl isobutyrate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	Benzyl isovalerate	(¹)			
	<i>Elan Chemical Co.</i>				
	Phenethyl isobutyrate	15	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Phenethyl isovalerate	(¹)		(¹)	
	<i>Elan Chemical Co.</i>				
	Phenylethyl 2-methyl butyrate	(¹)			
	<i>SCM Corp., Glidco Organics</i>				
	Residual Total	(¹)		(¹)	
29166060	Butyric acids, valeric acids, their nonaromatic salts and esters	(¹)	(¹)	(¹)	
	Butyric acid	(¹)	0)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Citronellyl isobutyrate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	Ethyl butyrate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	<i>Northwestern Flavors, Inc.</i>				
	Ethyl isovalerate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	Ethyl-2-methyl butyrate	(¹)	(¹)	(¹)	
	<i>SCM Corp., Glidco Organics</i>				
	Ethyl valerate	(¹)	(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	Geranyl butyrate		(¹)	(¹)	
	<i>Elan Chemical Co.</i>				
	Geranyl isobutyrate	(¹)	(¹)	(¹)	
	<i>International Flavors & Fragrances, Inc.</i>				
	cis-3-Hexenyl butyrate	(¹)	(¹)	(¹)	
	<i>SCM Corp., Glidco Organics</i>				
	Hexyl 2-methylbutyrate	(¹)	(¹)	(¹)	
	<i>SCM Corp., Glidco Organics</i>				
	Isobutyl isobutyrate	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	Isobutyric acid	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29166050 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	Isobutyric anhydride	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Isopentyl butyrate	(1)		(1)	
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	<i>Northwestern Flavors, Inc.</i>				
	Isopentyl isovalerate	(1)		(1)	
	<i>Elan Chemical Co.</i>				
	2-Methylbutyl isovalerate	(1)	(1)	VI	
	<i>SCM Corp., Glidco Organics</i>				
	Methyl butyrate	(1)	(1)	(1)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Octyl isovalerate	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	Pivaloyl chloride	2,780	(1)	(1)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Witco Corp.</i>				
	Sucrose acetate isobutyrate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	(1)	(1)		
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	2,2,3-Trimethyl-1,3-pentanediol monoisobutyrate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	Residual Total		(1)	(1)	
291570	Palmitic acid, stearic acid, their salts and esters	123,244	101,618	160,998	\$ 1.58
29167000	Palmitic acid, stearic acid, their salts and esters	123,244	101,618	160,998	1.58
	Aluminum distearate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	<i>Mallinckrodt Speciality Chemicals Co.</i>				
	<i>Shepherd Chemical Co.</i>				
	<i>Synthetic products co.</i>				
	Aluminum monostearate	112	91	307	3.38
	<i>Huls America, Inc.</i>				
	<i>Mallinckrodt Speciality Chemicals Co.</i>				
	<i>Synthetic products co.</i>				
	Aluminum tristearate	536		(1)	
	<i>Company not disclosed</i>				
	<i>Huls America, Inc.</i>				
	<i>Mallinckrodt Speciality Chemicals Co.</i>				
	<i>Synthetic products co.</i>				
	<i>Witco Corp.</i>				
	Anhydrosorbitol monopalmitate	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	PPG Industries, Inc.				
	Anhydrosorbitol monostearate	8,532	(1)	(1)	
	<i>Ca/gene Chemical Corp.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	PPG Industries, Inc.				
	Anhydrosorbitol tristearate	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	PPG Industries, Inc.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29167000 —Continued					
	Barium stearate Huls America, Inc. Synthetic products co. Witco Corp.	(1)	(1)	(1)	
	n-Butyl palmitate Eastman Kodak Co., Tennessee Eastman Co. Div.	(1)	(1)	(1)	
	n-Butyl stearate Chemol Co Henkel Corp. Inolex Chemical Co. Union Camp Corp., Chemical Div. Witco Corp.	3,090	3,057	3,902	\$ 1.28
	Cadmium stearate Synthetic products co.	(1)	(1)	(1)	
	Calcium stearate Ferro Corp., Bedford Chemical Div. Ferro Corp., Grant Chemical Div. Henkel Corp. Mallinckrodt Speciality Chemicals Co. Sequa Chemicals, Inc. Synthetic products co. The Norac Co., Inc. Witco Corp.	43,491	43,470	52,072	1.20
	Cobalt stearate Mooney Chemicals, Inc. Shepherd Chemical Co.	(1)	(1)	(1)	
	Diethylene glycol monostearate Eastern Color & Chemical Co. Lonza, Inc. Rhone Poulenc, Inc.	(1)	(1)	(1)	
	Ethoxylated anhydrosorbitol monopalmitate Calgene Chemical Corp. ICI Americas, Inc., Specialty Chemicals Div. PPG Industries, Inc.	(1)	(1)	(1)	
	Ethoxylated anhydrosorbitol monostearate Calgene Chemical Corp. Ethox Chemicals, Inc. ICI Americas, Inc., Specialty Chemicals Div. Lonza, Inc. PPG Industries, Inc.	5,110	4,444	10,073	2.27
	Ethoxylated anhydrosorbitol tristearate Calgene Chemical Corp. ICI Americas, Inc., Specialty Chemicals Div. Lonza, Inc. PPG Industries, Inc.	230	234	546	2.34
	Ethoxylated 1,2-propanediol monostearate ICI Americas, Inc., Specialty Chemicals Div.	(1)	(1)	(1)	
	Ethoxylated sorbitol monopalmitate High Point Chemical Corp.	(1)	(1)	(1)	
	Ethoxylated sorbitol monostearate Grant Industries, Inc. High Point Chemical Corp.	(1)	(1)	(1)	
	Ethoxylated sorbitol tetrastearate ICI Americas, Inc., Specialty Chemicals Div.	(1)	(1)	(1)	
	Ethylene glycol distearate Exxon Chemical Americas ICI Americas, Inc., Specialty Chemicals Div. Inolex Chemical Co.	2,046	1,853	3,944	2.13

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29157000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Lonza, Inc.				
	PPG Industries, Inc.				
	Rhone Poulenc, Inc.				
	Stepan Co.				
	Witco Corp.				
	Ethylene glycol monostearate	1,157	1,425	2,598	S 1.82
	Henkel Corp.				
	ISP Van Dyk, Inc.				
	Inolex Chemical Co.				
	PPG Industries, Inc.				
	Rhone Poulenc, Inc.				
	Stepan Co.				
	Witco Corp.				
	Ethylene glycol sesquistearate	(1)	(1)	(1)	
	ISP Van Dyk, Inc.				
	Jetco Chemicals, Inc.				
	2. Ethylhexyl palmitate	(1)	(1)	(1)	
	Caschem, Inc.				
	ISP Van Dyk, Inc.				
	Inolex Chemical Co.				
	2. Ethylhexyl stearate	(1)	162	354	2.18
	Caschem, Inc.				
	Hoechst Celanese Corp., Sou Tex Works				
	Inolex Chemical Co.				
	Fatty acid esters, not included with plasticizers surface-active agents, all other	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Henkel Corp.				
	Lonza, Inc.				
	Sherex Chemical Co., Inc.				
	Witco Corp.				
	Glycerol monostearate	4,751	3,838	7,233	1.88
	C.P. Hall Co.				
	Chemol Co				
	Grant Industries, Inc.				
	Henkel Corp.				
	ISP Van Dyk, Inc.				
	Lonza, Inc.				
	PPG Industries, Inc.				
	Sequa Chemicals, Inc.				
	Stepan Co.				
	Witco Corp.				
	Glyceryl triacetyl stearate	(1)	(1)	(1)	
	Caschem, Inc.				
	Hexadecyl hexadecanoate (Palmitic palmitate)	(1)	(1)	(1)	
	Henkel Corp.				
	Hexadecyl stearate	(1)	(1)	(1)	
	Hoechst Celanese Corp., Sou Tex Works				
	Isobutyl stearate	(1)	(1)	(1)	
	Henkel Corp.				
	Inolex Chemical Co.				
	Union Camp Corp., Chemical Div.				
	Isocetyl stearate	(1)	(1)	(1)	
	ISP Van Dyk, Inc.				
	Witco Corp.				
	Isopropyl palmitate	(1)	(1)	(1)	
	Caschem, Inc.				
	Inolex Chemical Co.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29157000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Isopropyl stearate		(1)	(1)	
	<i>Caschem, Inc.</i>				
	Isostearic amphopropionate	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	Lead stearate, dibasic	(1)	(1)	(1)	
	<i>Anzon, Inc.</i>				
	Lithium stearate	(1)	(1)	(1)	
	<i>Synthetic products co.</i>				
	<i>The Norac Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Magnesium stearate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	<i>Mallinckrodt Speciality Chemicals Co.</i>				
	<i>Synthetic products co.</i>				
	<i>Upjohn Co. vi xiv xv</i>				
	<i>Witco Corp.</i>				
	Manganese stearate	(1)	(1)	(1)	
	<i>Shepherd Chemical Co.</i>				
	Methyl stearate	(1)	(1)		
	<i>Witco Corp.</i>				
	Myristyl stearate	(1)	(1)	(1)	
	<i>ISP Van Dyk, Inc.</i>				
	<i>Witco Corp.</i>				
	Oxoaluminum stearate	(1)	(1)	(1)	
	<i>Chattem, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Palmitic acid esters, all other	(1)	(1)	(1)	
	<i>Scher Chemicals, Inc.</i>				
	Pentaerythritol stearate	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	Potassium stearate	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	1,2-Propanediol monostearate	1,272	418	1,161	\$ 2.78
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Inolex Chemical Co.</i>				
	<i>Lonza, Inc.</i>				
	PPG Industries, Inc.				
	<i>Scher Chemicals, Inc.</i>				
	<i>Stepan Co.</i>				
	Sodium stearate	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Sorbitol monostearate	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Stearic acid, ammonium salt	(1)	(1)	(1)	
	<i>Original Bradford Soap Works, Inc.</i>				
	<i>West Point Pepperell, Inc., Grifftex Chem. Co.</i>				
	Stearic acid esters, all other	684	682	2,099	3.08
	<i>Cambridge Industries of America, Inc.</i>				
	<i>ISP Van Dyk, Inc.</i>				
	<i>Inolex Chemical Co.</i>				
	<i>Mobil Oil Corp., Chemical Products Div.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Stearic acid (Octadecanoic acid)	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Stearic acid, potassium salt	(1)	(1)	(1)	
	<i>Concord Chemical Co., Inc.</i>				
	Stearic acid salts, all other	(1)	(1)	(1)	
	<i>Ferro Corp., Bedford Chemical Div.</i>				

See endnotes at end of table.

Table 3 -- Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29157000 --Continued					
<i>Chemical description/Manufacturer--Continued</i>					
	Mooney Chemicals, Inc. Synthetic products co.				
	Stearic acid, sodium salt Concord Chemical Co., Inc. Hewitt Soap Co., Inc. Lever Brothers co	(1)	(1)	(1)	
	Stearyl stearate Rhone Poulenc, Inc.	(1)	(1)	(1)	
	Strontium stearate Witco Corp.	(1)	(1)	(1)	
	Tridecyl stearate Hoechst Celanese Corp., Sou Tex Works Inolex Chemical Co. Witco Corp.	(1)	1,122	1,861	\$ 1.66
	Zinc stearate Ferro Corp., Grant Chemical Div. Huls America, Inc. Mallinckrodt Speciality Chemicals Co. Plastics Engineering Co. Synthetic products co. The Norac Co., Inc. Witco Corp.	15,388	13,834	24,602	1.78
	Residual Total	36,843	26,480	30,377	1.15
291690	Saturated, acyclic monocarboxylic acids nesi, and their derivatives, nesi		(1)	(1)	
29169010	Fatty acids of animal or vegetable origin, nesi	(1)	(1)	(1)	
	Ethoxylated anhydrosorbitol monolaurate Ca/gene Chemical Corp. Ethox Chemicals, Inc. IC/ Americas, Inc., Specialty Chemicals Div. Lonza, Inc. PPG Industries, Inc.	3,556	3,322	7,782	2.34
	Ethyl laurate Elan Chemical Co.	(1)	(1)	(1)	
	Ricinoleic acid (Hydroxyoleic acid) fragrance Resources, Inc.	(1)	(1)	CI	
	Residual Total	(1)	(1)	(1)	
	Valproic acid Abbott Laboratories	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29159018	HTS Level Residual Total	59,252	52,905	80,913	1.53
	N-Acetyl methyl anthranilate American Bio Synthetics Corp.	(1)	(1)	(1)	
	Acids, acid anhydrides, and acyl halides, all other Akzo Chemicals, Inc. E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept. Elf Atochem North America, Inc., fine Chem & Org. Div. Exxon Chemical Americas Hercules Carbon Products Corp. Henkel Corp. Parish Chemical Co. Union Carbide Corp., Industrial Chemicals Div. Witco Corp.	15,654	15,629	20,387	1.30
	Bromoacetic acid Vineland Chemical Co., Inc.	(1)	(1)	(1)	
	Bromopropionic acid Syntex Agribusiness, Inc.	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29159018 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Butanoic acid, 1-cyclohexylethyl ester <i>Company not disclosed</i>	(1)	(1)	(1)	
	Decanoyl chloride <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>	(1)	(1)	(1)	
	Dimethylolpropionic acid <i>Trimont Technical Products, Inc.</i>	(1)	(1)	(1)	
	2-Ethylhexanoic acid (a-Ethylcaproic acid) <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Heptanoic acid <i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>	(1)	(1)	(1)	
	n-Hexanoic acid <i>Humphrey Chemical Co.</i>	(1)	(1)	(1)	
	Isostearyl isostearate <i>Scher Chemicals, Inc.</i>	(1)	(1)	(1)	
	Neodecanoic acid <i>Exxon Chemical Americas</i>	(1)	(1)	(1)	
	Neopentanoic/neoheptanoic acids <i>Exxon Chemical Americas</i>	(1)	(1)	(1)	
	Octanoic acid (Caprylic acid) <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Trifluoroacetic acid <i>Halocarbon Products Corp.</i>	(1)	(1)	(1)	
	Valeric acid <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Residual Total	43,598	37,276	60,526	\$ 1.62
29159020 Aromatic anhydrides, halides, peroxides and peroxyacids, of saturated acyclic monocarboxylic acids, and their derivatives, nesi					
	Benzyl phenylacetate <i>Elan Chemical Co.</i> <i>Givaudan Corp.</i>	(1) 667	(9) 633	(1) 8,018	(1) 12.67
	Benzyl salicylate <i>Haarmann & Reimer Corp.</i>	(1)	(1)	(1)	
	a-Cumyl peroxyneodecanoate <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	a-Cumyl peroxyneoheptanoate <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>	(1)	(1)	(1)	
	Ethyl cinnamate <i>Elan Chemical Co.</i>	(1)	(1)	(1)	
	Fenopropfen <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	p-Tolyl octanoate <i>International Flavors & Fragrances, Inc.</i>	(1)	(1)	(1)	
	Residual Total	667	633	8,018	12.67
29159060 Nonaromatic anhydrides, halides, peroxides and peroxyacids, of saturated acyclic monocarboxylic acids, and their derivatives, nesi					
	Acyclic plasticizers, all other <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>Inolex Chemical Co.</i> <i>Mobil Oil Corp., Chemical Products Div.</i> <i>Morflex, Inc.</i>	(1) 194,684	(1) 85,287	(1) 219,789	(1) 2.58
	t-a-Alkylcarboxylic acid salts (Isocarboxylic acid salts), all other <i>Mooney Chemicals, Inc.</i>	(9)	(1)	(1)	
	Aluminum octanoate	(1)		(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29169050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Synthetic products co.</i>				
	<i>The Norac Co., Inc.</i>				
	<i>Witco Corp.</i>				
	t-Amylperoxy acetate	(1)	(1)	(1)	
	<i>Elf A tochem North America, Inc., Fine Chem & Org. Div.</i>				
	t-Amylperoxy neodecanoate	(1)		(1)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	t-Amylperoxy pivalate	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	Barium cadmium laurate	(1)	(1)	(1)	
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	<i>Witco Corp.</i>				
	Barium 2-ethylhexanoate	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Barium laurate	(1)	(1)	(1)	
	<i>Synthetic products co.</i>				
	Benzyl chloroformate	(1)	(1)	(1)	
	<i>Hatco Chemical Co.</i>				
	<i>Vanchem, Inc.</i>				
	Bismuth 2-ethylhexanoate	(1)	(1)	(1)	
	<i>Shepherd Chemical Co.</i>				
	Bismuth neodecanoate	(1)	(1)	(1)	
	<i>Mooney Chemicals, Inc.</i>				
	<i>Shepherd Chemical Co.</i>				
	Butyl butyl lactate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	sec-Butyl chloroformate	(1)	(1)	(1)	
	PPG Industries, Inc.				
	<i>Vanchem, Inc.</i>				
	t-Butyl-2-ethylhexyl monoperoxy carbonate	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	n-Butyl perchlorocrotonate	(1)	(1)	(1)	
	<i>Mallinckrodt Speciality Chemicals Co.</i>				
	tert-Butyl peroxyneodecanoate	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	<i>Witco Corp.</i>				
	Butyric anhydride	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Cadmium 2-ethylhexanoate	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	Cadmium laurate	(1)	(1)	(1)	
	<i>Synthetic products co.</i>				
	Calcium t-a-alkylcarboxylate	(1)	(1)	(1)	
	<i>Mooney Chemicals, Inc.</i>				
	Calcium 2-ethylhexanoate	1,531	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	<i>Huls America, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	<i>Troy Chemical Corp.</i>				
	<i>Witco Corp.</i>				
	Calcium neodecanoate	(1)	(1)	(1)	
	<i>Mooney Chemicals, Inc.</i>				
	<i>Shepherd Chemical Co.</i>				
	5(or 6)carboxy-4-hexyl-2-cyclohexene-1-octanoic acid, potassium/sodium salts	(1)	(1)	(1)	
	<i>Company not disclosed</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29169050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Cerium 2-ethylhexanoate Mooney Chemicals, Inc. Shepherd Chemical Co.		∞		
	Chromium 2-ethylhexanoate Mooney Chemicals, Inc. Shepherd Chemical Co.	(¹)	∞	∞	
	Cobalt t-a-alkylcarboxylate Mooney Chemicals, Inc.	(¹)	(¹)		
	Cobalt 2-ethylhexanoate Akzo Chemicals, Inc. Huls America, Inc. Mooney Chemicals, Inc. Shepherd Chemical Co. Troy Chemical Corp.	1,514	1,296	15,320	\$ 11.82
	Cobalt/manganese/zirconium alkylcarboxylate Mooney Chemicals, Inc.	(¹)	∞	(¹)	
	Cobalt neodecanoate Shepherd Chemical Co.	(¹)		(¹)	
	Cobalt-potassium 2-ethylhexanoate Mooney Chemicals, Inc.	(¹)	∞	CI	
	Cobalt/zirconium t-a-alkylcarboxylate Mooney Chemicals, Inc.	(¹)	(¹)		
	Copper t-a-alkylcarboxylate Mooney Chemicals, Inc.	(¹)	(¹)		
	Copper 2-ethylhexanoate Huls America, Inc. Mooney Chemicals, Inc.		(¹)	∞	
	Decanoyl peroxide Eff Atochem North America, Inc., Fine Chem & Org. Div.	(¹)	V1		
	Diacetyl tartaric acid esters of monoglycerides Grindsted Products, Inc.			∞	
	Diethylene glycol chloroformate PPG Industries, Inc.		(¹)	(¹)	
	Diethylene glycol monolaurate Eastern Color & Chemical Co.	(¹)			
	2,5-Dimethyl-2,5-di(2-ethylhexanoyl peroxy)hexane Elf Atochem North America, Inc., Fine Chem & Org. Div.		(¹)	(¹)	
	Dimethylhexanoic acid, calcium carbonate salt Akzo Chemicals, Inc.		∞	(¹)	
	1,1-Dimethyl-3-hydroxybutyl-peroxyneohexanoate Elf Atochem North America, Inc., Fine Chem & Org. Div.	(¹)	(¹)	0	
	Docosanyl docosenoate Scher Chemicals, Inc.		∞	(¹)	
	Ethyl chloroformate PPG Industries, Inc.	(¹)	(¹)	(¹)	
	Ethyl-3,3-di(t-amylperoxy)butyrate Eff Atochem North America, Inc., Fine Chem & Org. Div.			∞	
	Ethyl heptanoate Elan Chemical Co.	(¹)	(¹)	V	
	Ethyl hexanoate Elan Chemical Co. Northwestern Flavors, Inc.		(¹)	(¹)	
	2-Ethylhexanoic acid salts, all other Ferro Corp., Bedford Chemical Div. Huls America, Inc. Mooney Chemicals, Inc. Shepherd Chemical Co.	(¹)	(¹)	(¹)	
	2-Ethylhexanoyl chloride	1,510	∞	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29169060 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	PPG Industries, Inc.				
	<i>Witco Corp.</i>				
	2-Ethylhexyl chloroformate	(1)	(1)	(1)	
	PPG Industries, Inc.				
	<i>Vanchem, Inc.</i>				
	Ethyl methacrylate	(1)	(1)	(1)	
	<i>E.I. DuPont de Nemours & Co., Inc., Polymer Products</i>				
	Ethyl myristate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	Gluconic acid, potassium and sodium salts W/20% mix of sodium bisulfite-formaldehyde	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Glycerides, mixed C ₁₄₋₁₈ and C ₁₆₋₁₈ , mono- and di-	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Glycerides, mono, mixed	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Glycerol dilaurate	(1)	(1)	(1)	
	<i>High Point Chemical Corp.</i>				
	Glycerol monocaprylate	(1)	(1)	(1)	
	<i>Karlshamns, USA</i>				
	Glycerol monolaurate	(1)	(1)	(1)	
	<i>Ca/gene Chemical Corp.</i>				
	<i>Karlshamns, USA</i>				
	<i>Lonza, Inc.</i>				
	<i>Stepan Co.</i>				
	Glycol pelargonate	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	Heptanoic acid, potassium salt	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Hexyl neopentanoate	(1)	(1)	(1)	
	<i>Scher Chemicals, Inc.</i>				
	Iron t-a-alkylcarboxylate	(1)	(1)	(1)	
	<i>Mooney Chemicals, Inc.</i>				
	Iron 2-ethylhexanoate	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Huts America, Inc.</i>				
	Isobutyl chloroformate	(1)	(1)	(1)	
	PPG Industries, Inc.				
	<i>Vanchem, Inc.</i>				
	Isodecyl neopentanoate	(1)	(1)	(1)	
	<i>Fragrance Resources, Inc.</i>				
	<i>R.S.A. Corp.</i>				
	Isodecyl pelargonate	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	Isooctanoic acid, manganese salt		(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Isopropyl chloroformate	(1)	(1)	(1)	
	PPG Industries, Inc.				
	<i>Vanchem, Inc.</i>				
	Isopropyl myristate	(1)	(1)	(1)	
	<i>Caschem, Inc.</i>				
	<i>Inolex Chemical Co.</i>				
	<i>Union Camp Corp., Chemical Div.</i>				
	Isostearyl neopentanoate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29159050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>ISP Van Dyk, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Lauric acid esters, all other <i>C.P. Hall Co.</i>	(1)			
	Lauric acid salts, all other <i>Ferro Corp., Bedford Chemical Div.</i>	(1)			
	Lauric acid, zinc salt <i>Synthetic products co.</i>	(1)			
	Lauroyl chloride <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>	(¹)			
	PPG Industries, Inc.				
	Lauroyl peroxide <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>	(1)			
	Lead t-a-alkylcarboxylate <i>Mooney Chemicals, Inc.</i>	(¹)			
	Lead-cobalt neodecanoate <i>Mooney Chemicals, Inc.</i>	(1)			
	Lead 2-ethylhexanoate <i>Akzo Chemicals, Inc.</i>	186			
	<i>Huls America, Inc.</i>				
	<i>Shepherd Chemical Co.</i>				
	Lead neodecanoate <i>Mooney Chemicals, Inc.</i>	(1)			
	<i>Shepherd Chemical Co.</i>				
	Lithium neodecanoate <i>Mooney Chemicals, Inc.</i>	(1)			
	Manganese t-a-alkylcarboxylate <i>Mooney Chemicals, Inc.</i>	(¹)			
	Manganese 2-ethylhexanoate <i>Akzo Chemicals, Inc.</i>	641			
	<i>Huls America, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	<i>Shepherd Chemical Co.</i>				
	<i>Troy Chemical Corp.,</i>				
	Manganese neodecanoate <i>Mooney Chemicals, Inc.</i>	(1)			
	<i>Shepherd Chemical Co.</i>				
	Methyl chloroformate PPG Industries, Inc.	(1)			
	Methyl esters of lard oil <i>Chemol Co</i>	(¹)			
	<i>Ferro Corp., Kefl Chemical Div.</i>				
	Methylglucoside laurate PPG Industries, Inc.	(¹)			
	Methyl-2-methyl butyrate <i>SCM Corp., Glidco Organics</i>	(1)			
	Methyl pentachlorostearate <i>Vanchem, Inc.</i>	(1)			
	Methyl pivalate <i>Company not disclosed</i>	(1)			
	Molybdenum 2-ethylhexanoate <i>Mooney Chemicals, Inc.</i>				
	Monohydric alcohol esters, all other <i>Company not disclosed</i>	(¹)			
	<i>Company not disclosed</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Fragrance Resources, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29159060 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Henkel Corp.				
	ISP Van Dyk, Inc.				
	Scher Chemicals, Inc.				
	W R Grace & Co., Organic Chemicals Div., Evans Chemetics				
	Myristic acid esters, all other	(1)	(1)	(1)	
	Caschem, Inc.				
	Union Camp Corp., Chemical Div.				
	Myristyl myristate	(1)	(1)	(1)	
	ISP Van Dyk, Inc.				
	Rhone Poulenc, Inc.				
	Scher Chemicals, Inc.				
	Neodecanoic acid, potassium salt	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Neodecanoic acid salts, all other	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Neodecanoyl chloride	1,221	(1)	(1)	
	Elf Atochem North America, Inc., Fine Chem & Org. Div.				
	PPG Industries, Inc.				
	Witco Corp.				
	Neohexanoic acid, sodium salt	(1)	(1)	(1)	
	Elf Atochem North America, Inc., Fine Chem & Org. Div.				
	Witco Corp.				
	Neopentylglycol hydroxypivalate	(1)	(1)	(1)	
	Eastman Kodak Co., Texas Eastman Co. Div				
	Neopentyl glycol vegetable oil ester	(1)	(1)	(1)	
	Quaker Chemical Corp.				
	Nickel 2-ethylhexanoate	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt	(1)	(1)	(1)	
	Witco Corp.				
	n-Octanesulfonic acid, sodium salt	(1)	(1)	(1)	
	Company not disclosed				
	Octanoic acid (Caprylic acid) salts, all other	(1)	(1)	(1)	
	Hart Products Corp.				
	Pelargonic acid, calcium salt (Calcium nonoate)	(1)	(1)	(1)	
	Synthetic products co.				
	Pelargonic acid esters, all other	(1)	(1)	(1)	
	Inolex Chemical Co.				
	Mobil Oil Corp., Chemical Products Div.				
	Scher Chemicals, Inc.				
	Pentaerythritol/fatty acid esters	(1)	(1)	(1)	
	Aqualon Co.				
	Pentaerythritol tetraoctanoate	(1)	(1)	(1)	
	Lonza, Inc.				
	Pentaerythritol tetrapelargonate	(1)	(1)	(1)	
	High Point Chemical Corp.				
	Pentaerythritol tetrastearate	19	(1)	(1)	
	Hercules, Inc.				
	Lonza, Inc.				
	Peroxyacetic acid (Peracetic acid)	(1)	(1)	(1)	
	Company not disclosed				
	Company not disclosed				
	Union Carbide Corp., Industrial Chemicals Div.				
	Polyhydric alcohol esters, all other	(1)	(1)	(1)	
	Eastman Kodak Co.				
	Lonza, Inc.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29159050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Union Carbide Corp., Industrial Chemicals Div. Vanchem, Inc.</i>	(1)	(1)	(1)	
	Potassium 2-ethylhexanoate <i>Akzo Chemicals, Inc.</i> <i>Mooney Chemicals, Inc.</i> <i>PeIron Corp.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	1,2-Propanediol monolaurate <i>Scher Chemicals, Inc.</i> <i>Stepan Co.</i>	(1)	(1)	(1)	
	Propionic anhydride <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Propylene glycol dicaprylatecaprate <i>Texaco Chemical Co.</i>	(1)	(1)	(1)	
	Rare earths 2-ethylhexanoate <i>Mooney Chemicals, Inc.</i>	(1)	(1)	(1)	
	Rare earths neodecanoate <i>Mooney Chemicals, Inc.</i>	(1)	(1)	(1)	
	Sodium caprylate <i>Napp Chemicals, Inc.</i>	(1)	(1)	(1)	
	Sodium 2-ethylhexanoate <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Tertiary amyl per-2-ethylhexanoate <i>Elf Atochem North America, Inc., tine Chem & Org. Div.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	1-Tetradecylpropionate <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Tetraethylene glycol di(2-ethylhexanoate) <i>C.P. Hall Co.</i> <i>Inolex Chemical Co.</i>	(1)	(1)	(1)	
	Tridecyl alcohol, ethoxylated and carbonated, sodium salt <i>Sandoz Chemicals Corp. (Martin Plant)</i> <i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn)</i>	(1)	(1)	(1)	
	Triethylene glycol di(caprylate-caprate) <i>C.P. Hall Co.</i>	(1)	(1)	(1)	
	Triethylene glycol di(2-ethylbutyrate) <i>C.P. Hall Co.</i>	(1)	(1)	(1)	
	Triethylene glycol di(2-ethylhexanoate) <i>C.P. Hall Co.</i>	(1)	(1)	(1)	
	Trifluoroacetic anhydride <i>Halocarbon Products Corp.</i>	(1)	(1)	(1)	
	Trifluoroacetyl chloride <i>Halocarbon Products Corp.</i>	(1)	(1)	(1)	
	Zinc t-a-alkylcarboxylate <i>Mooney Chemicals, Inc.</i>	(1)	(1)	(1)	
	Zinc neodecanoate <i>Shepherd Chemical Co.</i>	(1)	(1)	(1)	
	Zirconium t-oa-alkylcarboxylate <i>Mooney Chemicals, Inc.</i>	(1)	(1)	(1)	
	Zirconium 2-ethylhexanoate <i>Akzo Chemicals, Inc.</i> <i>Mooney Chemicals, Inc.</i> <i>Troy Chemical Corp.</i>	(1)	(1)	(1)	
	Zirconium neodecanoate <i>Mooney Chemicals, Inc.</i> <i>Shepherd Chemical Co.</i>	(1)	(1)	(1)	
	Residual Total	188,082	83,760	199,338	\$ 2.38

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
2915XX	HTS Level Residual Total	835,604	273,051	266,799	S 0.98
2916	Unsaturated acyclic monocarboxylic acids, cyclic monocarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	2,043,190	(¹)	(¹)	
291611	Acrylic acid and its salts	543,876	(¹)	(¹)	
29161100	Acrylic acid and its salts	543,876	(¹)	(¹)	
	Acrylic acid	543,876	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Rohm & Haas Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Residual Total		(1)	(1)	
291611XX	HIS Level Residual Total		(¹)	(¹)	
291612	Esters of acrylic acid	(¹)	(¹)	(¹)	
29161210	Aromatic esters of acrylic acid	(1)	(¹)	(¹)	
	Phenoxyethyl acrylate	(¹)	(¹)	(¹)	
	CPS Chemical Co., Inc.				
	Residual Total	(1)	(1)	(1)	
29161250	Nonaromatic esters of acrylic acid	599,841	322,295	385,689	1.20
	Butyl acrylate	317,540	143,008	160,641	1.12
	BASF Corp (Parsippany, NJ)				
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Rohm & Haas Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Ethyl acrylate	152,680	79,676	84,709	1.06
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Rohm & Haas Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	2-Ethyl-1-hexyl acrylate	78,244	64,138	83,153	1.30
	BASF Corp (Parsippany, NJ)				
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Union Carbide Corp., Industrial Chemicals Div.				
	Hexyl acrylate	(1)	(1)	(9)	
	CPS Chemical Co., Inc.				
	Exxon Chemical Americas				
	Hydroxyethyl acrylate	(1)	(1)	(1)	
	Dow Chemical Co.				
	Rohm & Haas Co.				
	Hydroxypropyl acrylate	(1)	(1)	(1)	
	Dow Chemical Co.				
	Rohm & Haas Co.				
	Isobutyl acrylate	(¹)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Isodecyl acrylate	(1)	(1)	(1)	
	CPS Chemical Co., Inc.				
	Rhone Poulenc, Inc.				
	Lauryl acrylate	(1)	(1)	(1)	
	CPS Chemical Co., Inc.				
	Methyl acrylate, monomer	(1)	(1)	(1)	
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Trimethylolpropane triacrylate	(¹)	(1)	(1)	
	CPS Chemical Co., Inc.				
	Tripropylene glycol diacrylate	(1)	(1)	(1)	
	CPS Chemical Co., Inc.				
	Tri- and tetraacrylate monomers	(1)	(¹)	(¹)	
	Sequa Chemicals, Inc.				
	Residual Total	51,376	35,473	57,185	1.61
291613	Methacrylic acid and its salts	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production		Sales		Average unit value
		1,000 Kilograms	1,000 Kilograms	Quantity	Value	
29161300	Methacrylic acid and its salts	(¹)	(¹)	(¹)	(¹)	
	Carboxyethyl acrylate	(¹)	(¹)	(¹)	(¹)	
	<i>Rhone Poulenc, Inc.</i>					
	Dicyclopentadienyl acrylate	(¹)	(¹)	(¹)	(¹)	
	<i>Rhone Poulenc, Inc.</i>					
	Hydroxyethyl methacrylate	(¹)	(¹)	(¹)	(¹)	
	<i>Rohm & Haas Co.</i>					
	Isobornyl acrylate	(¹)	(¹)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>					
	<i>Rhone Poulenc, Inc.</i>					
	Methacrylic acid			(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>					
	Residual Total	(¹)	(¹)	(¹)	(¹)	
291614	Esters of methacrylic acid	(¹)	(¹)	58,686	72,501	\$ 1.24
29161400	Esters of methacrylic acid	(¹)	(¹)	58,686	72,501	1.24
	Allyl methacrylate	(¹)	(1)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>					
	1,3-Butylene glycol dimethacrylate	(¹)	(0)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>					
	Butyl methacrylate	(¹)	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>					
	<i>Rohm & Haas Co.</i>					
	Cetyleicosyl methacrylate	(¹)	(¹)	(¹)	(¹)	
	<i>Rohm & Haas Co.</i>					
	Cyclohexyl methacrylate	(¹)	(¹)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>					
	Diethylene glycol dimethacrylate	(¹)	(¹)	(¹)	01	
	<i>CPS Chemical Co., Inc.</i>					
	Dodecylpentadecyl methacrylate	(¹)	(¹)	(¹)	(¹)	
	<i>Rohm & Haas Co.</i>					
	Ethylene glycol dimethacrylate	VI	(¹)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>					
	2-Ethyl-1-hexyl methacrylate	0))	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>					
	cis-3-Hexenyl tiglate	(¹)	(¹)	(¹)	(¹)	
	<i>Fragrance Resources, Inc.</i>					
	Hydroxyethyl methacrylate	(¹)	(¹)	(¹)	(¹)	
	<i>Rhone Poulenc, Inc.</i>					
	Hydroxypropyl methacrylate	(¹)	(¹)	(¹)	(¹)	
	<i>Rohm & Haas Co.</i>					
	Isobornyl methacrylate	(¹)	(¹)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>					
	<i>Rhone Poulenc, Inc.</i>					
	Isobutyl methacrylate	(¹)	(1)	(¹)	(¹)	
	<i>Rohm & Haas Co.</i>					
	Isoodecyl methacrylate	V)	108	384	3.56	
	<i>CPS Chemical Co., Inc.</i>					
	<i>Rohm & Haas Co.</i>					
	<i>W R Grace & Co., Organic Chemicals Div., Evans Chem</i>					
	Lauryl methacrylate	(1)	(1)	(¹)	(¹)	
	<i>CPS Chemical Co., Inc.</i>					
	<i>Rohm & Haas Co.</i>					
	Methyl methacrylate, monomer	547,824	(1)	(¹)	(¹)	
	<i>Cyro Industries</i>					
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>					
	<i>Rohm & Haas Co.</i>					
	Polymethacrylic acid esters	(1)	(1)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>					
	Stearyl methacrylate	(¹)	(1)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29161400 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>CPS Chemical Co., Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Texaco Chemical Co.</i>				
	Trimethylolpropane trimethacrylate	(¹)	(1)	(1)	
	<i>CPS Chemical Co., Inc.</i>				
	Residual Total	(¹)	58,578	72,118	\$ 1.23
291615	Oleic, linoleic or linolenic acids, their salts and esters	30,997	27,113	45,238	1.67
29161550	Salts and esters of oleic, linoleic or linolenic acids	30,997	27,113	45,238	1.67
	Anhydrosorbitol mono-oleate	4,458	3,122	5,494	1.76
	<i>Calgene Chemical Corp.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	Anhydrosorbitol sesquioleate	(¹)	(1)	(1)	
	<i>Ca/gene Chemical Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	2-Butoxyethyl oleate	(1)	(¹)	(¹)	
	<i>C.P. Hall Co.</i>				
	Butyl oleate	452	496	767	1.55
	<i>C.P. Hall Co.</i>				
	<i>Chemol Co</i>				
	<i>Henkel Corp.</i>				
	<i>Witco Corp.</i>				
	Butyl oleate, sulfated, sodium salt	261	177	237	1.34
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Mar/owe Van Loan Corp.</i>				
	<i>Moretex Chemical Products, Inc.</i>				
	<i>National Starch & Chemical Co.</i>				
	<i>West Point Pepperell, Inc., Grifftex Chem. Co.</i>				
	Calcium oleate	(¹)	(1)	(1)	
	<i>Sybron Chemicals, Inc.</i>				
	Decyl oleate	(¹)	(1)	(1)	
	<i>ISP Van Dyk, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Diethylene glycol mono-oleate	377	511	883	1.73
	<i>Company not disclosed</i>				
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Ethoxylated anhydrosorbitol mono-oleate	4,511	3,816	8,190	2.15
	<i>Calgene Chemical Corp.</i>				
	<i>Croda, Inc.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	PPG Industries, Inc.				
	Ethoxylated anhydrosorbitol trioleate	(¹)	(1)	(1)	
	<i>Calgene Chemical Corp.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	PPG Industries, Inc.				
	Ethoxylated sorbitol hexaoleate	(1)	(1)		
	<i>Ethox Chemicals, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29161550 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Ethoxylated sorbitol mono-oleate	(1)	(1)	(1)	
	<i>Grant Industries, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Ethoxylated sorbitol oleate, acetylated	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Ethoxylated sorbitol tetraoleate	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	2-Ethylhexyl oleate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	Glycerol mono-oleate	4,541	4,121	7,244	\$ 1.76
	<i>C.P. Hall Co.</i>				
	<i>Calgene Chemical Corp.</i>				
	<i>E.F. Houghton & Co.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	PPG Industries, Inc.				
	<i>Stepan Co.</i>				
	<i>Witco Corp.</i>				
	Glycerol mono-oleate, acetylated	(1)	(1)	(1)	
	<i>ISP Van Dyk, Inc.</i>				
	Glycerol trioleate	(1)	(1)	(1)	
	<i>Karlshamns, USA</i>				
	Glyceryl trioleate (Triolein)	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	<i>Witco Corp.</i>				
	Isobutyl oleate	(1)	(1)	(1)	
	<i>Scher Chemicals, Inc.</i>				
	Iso-octyl oleate	(1)	(1)	(1)	
	<i>C. P. Hall Co.</i>				
	Isopropyl linoleate	(1)	(1)	(1)	
	<i>ISP Van Dyk, Inc.</i>				
	Lead linoleate	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Methyl oleate		(1)	(1)	
	<i>Chemol Co</i>				
	<i>Henkel Corp.</i>				
	<i>Witco Corp.</i>				
	Methyl oleate, sulfated, sodium salt	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Neopentyl glycol oleate	(1)	(1)	(1)	
	<i>Quaker Chemical Corp.</i>				
	Oleic acid esters, all other	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	<i>Henkel Corp.</i>				
	Oleic acid, potassium salt	69		(1)	
	<i>Company not disclosed</i>				
	<i>Dryden Oil Company of New England</i>				
	<i>Huntington Laboratories, Inc.</i>				
	<i>Original Bradford Soap Works, Inc.</i>				
	Oleic acid, sodium salt	(1)	(1)	(1)	
	<i>Dryden Oil Company of New England</i>				
	<i>Hart Products Corp.</i>				
	<i>Namico, Inc.</i>				
	<i>Original Bradford Soap Works, Inc.</i>				
	Oleic acid, sulfated	(1)	(1)	(1)	
	<i>Climax Performance Materials Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29161650 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Oleic acid, sulfated, disodium salt <i>Stockhausen, Inc.</i>	(¹)	(¹)	(¹)	
	Oleyl oleate <i>Scher Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	n-Propyl oleate <i>Henkel Corp.</i>	(¹)	(¹)	(¹)	
	Sodium oleate <i>Quaker Chemical Corp.</i> <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Tetrahydrofurfuryl oleate <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Trimethylolpropane trioleate (TMP trioleate) <i>E.F. Houghton & Co.</i> <i>Quaker Chemical Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total	16,328	14,870	22,423	\$ 1.51
291619	Unsaturated acyclic monocarboxylic acids and cyclic monocarboxylic acids; and their derivatives, nesi	5,954	4,065	32,192	7.92
29161950	Unsaturated acyclic monocarboxylic acid anhydrides, halides, peroxides, peroxyacids and their derivatives, nesi	5,954	4,065	32,192	7.92
	Allyl heptanoate <i>Elan Chemical Co.</i>	(¹)	(¹)	(¹)	
	Allyl hexanoate <i>Elan Chemical Co.</i>	(¹)	(¹)	(¹)	
	Allyl sulfonate, sodium salt <i>Ardmore, Inc.</i>	(¹)	(¹)	(¹)	
	Anhydrosorbitol dioleate <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Anhydrosorbitol trioleate <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Lonza, Inc.</i> PPG Industries, Inc.	(¹)	(¹)	CI	
	2,2-Bis(bromomethyl)-1,3-propanediol <i>Ethyl Corp.</i>	(¹)	(¹)	(¹)	
	313-4-Bromo(1,1'-biphenyl-4-yl)-3-hydroxy-1-phenylpropyl-4-hydroxy-2h-1-benzopyran-2-one <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Calcium undecylenate <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>	(¹)	(¹)	(¹)	
	Canrenoate, potassium <i>International Flavors & Fragrances, Inc.</i>	(¹)	(¹)	(¹)	
	Crotonic acid (2-Butenoic acid) <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(¹)	(¹)	(¹)	
	3,7-Dimethyl-1,6-octadien-3-ylisobutyrate (Linalyl isobutyrate) <i>Givaudan Corp.</i>	(¹)	(¹)	(¹)	
	3,7-Dimethyl-1,6-octadien-3-yl propionate (Linalyl propionate) <i>Givaudan Corp.</i>	(¹)	(¹)	(¹)	
	Ethyl 3,7,11-trimethyldodeca-2,4-dienoate <i>Company not disclosed</i> <i>Dow Chemical Co.</i> <i>Sandoz Crop Protection Izeffird)</i>	(¹)	(¹)	(¹)	
	Glycerol monoricinoleate <i>Ca/gene Chemical Corp.</i> <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	Methyl esters of cottonseed oil	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29161960 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Chemol Co				
	Methyl esters of tallow	1,638	553	407	\$ 0.74
	Chemol Co				
	Company not disclosed				
	Ferro Corp., Keil Chemical Div.				
	Witco Corp.				
	Methyl ricinoleate, methylated	(1)	(1)	(1)	
	Fragrance Resources, Inc.				
	Propylene glycol monoricinoleate	(1)	(1)	(1)	
	Caschem, Inc.				
	2-propynyl 3,7,11-trimethyl-(2e,4e)-dodecadienoate	(1)	(¹)	(¹)	
	Company not disclosed				
	Trimethylolpropane tallowate (TMP tallowate)	(1)	(1)	(1)	
	Quaker Chemical Corp.				
	Zinc undecylenate	(1)	(1)	(1)	
	Elf Atochem North America, Inc., Fine Chem & Org. Div.				
	Residual Total	4,316	3,512	31,785	9.05
291620	Cyclanic, cycAenic or cydoterpenic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	91,317	(1)	(1)	
29162000	Cydanic, cyclonic or cycloterpenic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	91,317	(¹)	(¹)	
	Cadmium tallate	(1)	(1)	(1)	
	Akzo Chemicals, Inc.				
	Calcium manganese tallate	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Calcium tallate	(1)	(1)	(1)	
	Company not disclosed				
	Cobalt manganese tallate	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Cobalt tallate	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Copper tallate	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	cis trans-(+1-3-(2,2-Dichloroetheny1)-2,2-dimethyl-,(S)-cyano(3-phenoxyphenyl) methyl cyclopropanecarboxylate	(1)	(¹)	(¹)	
	FMC Corp., Agricultural Chemical Group				
	1,4,5,6,7,7-Hexachloro-5-norbornene-2,3-dicarboxylic anhydride (Chlorendic anhydride)	(1)	(¹)	(¹)	
	Olin Corp. <i>viii, ix, xii, xiv, xv</i>				
	Velsicol Chemical Corp.				
	Manganese tallate	(1)	(1)	(1)	
	Mooney Chemicals, Inc.				
	Shepherd Chemical Co.				
	Methyl 3-(2,2-dichloroethenyI)-2,2-dimethylcyclopropanecarboxylate	(¹)	(¹)		
	FMC Corp., Agricultural Chemical Group				
	3-(Phenoxyphenyl) methyl-cis, trans-3-12,2 dichloroethenyI)-2,2-dimethyl cyclopropanecarboxylate	(1)	(¹)	(¹)	
	Company not disclosed				
	FMC Corp., Agricultural Chemical Group				
	Potassium tallate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29162000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Quaker Chemical Corp.</i>				
	Rosin/fatty acid mixtures	(1)	(1)	(1)	
	<i>Arizona Chemical Co.</i>				
	Rosin/fatty acid/pitch mixtures	(1)	(1)	(1)	
	<i>Arizona Chemical Co.</i>				
	Tall oil, chemically modified	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Riverdale Industries, Inc.</i>				
	<i>Westvaco Corp.</i>				
	Tall oil fatty acids, polymerized	(1)	(1)	(1)	
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Westvaco Corp.</i>				
	Tall oil monomer	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Tall oil: Neopentyl glycol tallate	(1)	(1)	(1)	
	<i>Quaker Chemical Corp.</i>				
	Tall oil: Pentaerythritol tallate	(1)	(1)	(1)	
	<i>E.F. Houghton & Co.</i>				
	Tall oil salts, all other (Linoleic-rosin acid salts)	(1)	(1)	(1)	
	<i>Quaker Chemical Corp.</i>				
	Zinc tallate	15	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	Residual Total	91,301	(1)	(1)	
291631	Benzoic acid, its salts and esters	(1)	(1)	(1)	
29163110	Benzoic acid and its salts	(1)	40,061	44,243	\$ 1.10
	Barium benzoate	(1)	(1)	(1)	
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	Benzoic acid	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	Benzoic acid salts, all other	(1)	(1)	(1)	
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	Benzoic acid, tech.	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	<i>Velsicol Chemical Corp.</i>				
	Potassium benzoate	(1)	3,114	4,894	1.57
	<i>Ducoa</i>				
	<i>Kalama Chemical, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	<i>Syntex Agribusiness, Inc.</i>				
	Sodium benzoate	(1)	(1)	(1)	
	<i>Ducoa</i>				
	<i>Honig Chemical & Processing Corp.</i>				
	<i>Jarchem Industries, Inc.</i>				
	<i>Kalama Chemical, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	<i>Syntex Agribusiness, Inc.</i>				
	Residual Total	(1)	36,947	14,408	0.39
29163120	Odoriferous or flavoring compounds of benzoic acid esters	(1)	(1)	(1)	
	Isopentyl benzoate	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	Methyl benzoate	(1)	(1)	(1)	
	<i>Cape Industries</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29163120 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Morflex, Inc.</i>				
	Residual Total	(¹)	(1)	(1)	
29163130	Benzoic acid esters, except odoriferous or flavoring compounds, described in additional U.S. note 3 to section VI				
	t-Amyl peroxybenzoate	(11 (1)	(1)	(11)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	Butamben		(1)	(1)	
	<i>Abbott Laboratories</i>				
	<i>Wyckoff Chemical Co., Inc.</i>				
	Diethylene glycol dibenzoate	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	<i>Velsicol Chemical Corp.</i>				
	Dipropenediol dibenzoate (Dipropylene glycol dibenzoate)	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	<i>Velsicol Chemical Corp.</i>				
	Polyethylene glycol dibenzoate	(1)	(1)		
	<i>Velsicol Chemical Corp.</i>				
	m-Sulfobenzoic acid, monosodium salt	(¹)	(¹)	(¹)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Residual Total	(¹)		(¹)	
29163150	Benzoic acid esters, nesi	3,126	1,761	4,378	S 2.49
	Benzoic acid, butyl ester (Butyl benzoate)	(1)	(1)	(1)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	<i>Unitex Chemical Corp.</i>				
	Benzoic acid, C ₁₂ -C ₁₅ ester	(1)	(1)	(1)	
	<i>Finetex, Inc.</i>				
	o-Bromobenzoic acid	(1)	(1)	(1)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	2-Butoxyethyl benzoate (Butyl cellosolve benzoate)	(¹)	(1)		
	<i>Company not disclosed</i>				
	Ethopabate	(1)	(1)	(1)	
	<i>Merck & Co., Inc.</i>				
	o-Fluorobenzyl chloride	(¹)	(¹)	(1)	
	<i>Diaz Chemical Corp.</i>				
	p-Hydroxybenzoic acid		(¹)	(¹)	
	<i>Napp Chemicals, Inc.</i>				
	o-Iodobenzoic acid	(1)	(1)	(1)	
	<i>R.S.A. Corp.</i>				
	Methyl p-formylbenzoate	(¹)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Oxyaluminum benzoate	(1)	(1)		
	<i>Chattem, Inc.</i>				
	Phenylethyl benzoate	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	Propylene glycol dibenzoate	(¹)	(¹)	(¹)	
	<i>Velsicol Chemical Corp.</i>				
	Resorcinol monobenzoate	(¹)	(1)	(11)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Sucrose benzoate	(¹)	(1)		
	<i>Velsicol Chemical Corp.</i>				
	Trimethylpentanediol dibenzoate	(1)		(1)	
	<i>Neville Chemical Co.</i>				
	<i>Velsicol Chemical Corp.</i>				
	Residual Total	3,126	1,761	4,378	2.49
291631XX	HTS Level Residual Total		(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
291632	Benzoyl peroxide and benzoyl chloride		(¹)		
29163210	Benzoyl peroxide	6,205	4,486	23,567	\$ 5.25
	Benzoyl peroxide	6,205	4,486	23,567	5.25
	<i>Akzo Chemicals, Inc.</i>				
	<i>Aztec Catalyst Co.</i>				
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>The Norac Co., Inc.</i>				
29163220	Benzoyl chloride	(¹)	(1)	(1)	
	Benzoyl chloride	(1)	(1)	(¹)	
	<i>Occidental Chemical corp., ED&S Div.</i>				
	<i>Velsicol Chemical Corp.</i>				
	Residual Total	(¹)	(¹)	(¹)	
291633	Phenylacetic acid, its salts and esters	29	28	465	1 6.5 2
29163320	Odoriferous or flavoring compounds of phenylacetic acid, its salts and esters	29	28	465	1 6.5 2
	3,7-Dimethyl-2,6-octadienyl phenylacetate (Geranyl phenylacetate)	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	Isoamyl phenylacetate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	Methyl phenylacetate	(¹)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	2-Phenethyl phenylacetate	(¹)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	<i>Fragrance Resources, Inc.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	29	28	465	1 6.5 2
291639	Unsaturated aromatic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives, nesi	(¹)	(¹)	(¹)	
29163910	Benzoic anhydride; tert-butyl peroxybenzoate; and other specified aromatic monocarboxylic acids or their derivatives		(1)	(1)	
	tert-Butyl peroxybenzoate	2,281	2,213	10,175	4.60
	<i>Aztec Catalyst Co.</i>				
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	<i>The Norac Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Ibuprofen	(1)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	<i>Mallinckrodt Speciality Chemicals Co. (Raleigh)</i>				
	Residual Total	(1)	(¹)	(1)	
29163920	Odoriferous or flavoring compounds of aromatic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and derivatives		(¹)	(¹)	
	Ethyl- <i>a</i> , <i>fl</i> -epoxy- <i>fl</i> -methylhydrocinnamate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	2-Ethylhexyl- <i>p</i> -methoxy cinnamate	(1)	(1)	(1)	
	<i>ISP Van Dyk, Inc.</i>				
	Residual Total	(1)		(1)	
29163940	Aromatic monocarboxylic acids, their anhydrides, halides, peroxides, peroxyacids & their derivatives nesi, in add. U.S. note 3 to sec. VI	1,663	1,525	6,052	3.97
	Benzyl benzoate	(¹)	(¹)	(¹)	
	<i>Haarmann & Reimer Corp.</i>				
	<i>Kalama Chemical, Inc.</i>				
	<i>Morflex, Inc.</i>				
	Bis(<i>p</i> -chlorobenzoyl)peroxide	(¹)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29163940 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Akzo Chemicals, Inc.				
	3,5-Dinitrobenzoic acid	(1)	(1)	(1)	
	Salsbury Chemicals, Inc.				
	Flurbiprofen	(1)	(1)	(1)	
	Wyckoff Chemical Co., Inc.				
	Homomenthol salicylate	(1)	(1)	(1)	
	Witco Corp.				
	o-Methylbenzoyl chloride	(1)	(1)	(1)	
	Twin Lake Chemical, Inc.				
	p-Nitrobenzylacetoacetate	(1)	(1)	(1)	
	Lonza, Inc.				
	m-Toluic acid	(1)	(1)	VI	
	Witco Corp.				
	p-Toluic acid, methyl ester	(1)	(1)	(1)	
	Cape Industries				
	Residual Total	1,663	1,525	6,052	\$ 3.97
29163970	HTS Level Residual Total	5,936	7,969	27,750	3.48
	Benzoic acid, isodecyl ester	(1)	(1)	(1)	
	Velsicol Chemical Corp.				
	Bis(2,4-dichlorobenzoyl) peroxide	(1)	(1)	(1)	
	Akzo Chemicals, Inc.				
	Cadmium benzoate	(1)	(1)	(1)	
	Akzo Chemicals, Inc.				
	2,4-Dimethylbenzene sulfonic acid	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Mt. Holly)				
	o-Fluorobenzoyl chloride	(1)	(1)	(1)	
	Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)				
	Ketoprofen	(1)	(1)	(1)	
	Wyckoff Chemical Co., Inc.				
	Morpholine salt of p-toluene sulfonic acid	(1)	(1)	(1)	
	American Bio Synthetics Corp.				
	1-Naphthaleneacetic acid, ethyl ester	(1)	(1)	(1)	
	Amvac Chemical Corp.				
	1-Naphthaleneacetic acid, sodium salt	(1)	(1)	(1)	
	Amvac Chemical Corp.				
	Naphthenic acid, copper salt	(1)	(1)	(1)	
	Akzo Chemicals, Inc.				
	Mooney Chemicals, Inc.				
	Troy Chemical Corp.				
	m-Nitrobenzoic acid	(1)	(1)	(1)	
	Hilton Davis Company				
	Salsbury Chemicals, Inc.				
	o-Nitrobenzoic acid	(1)	(1)	(1)	
	Salsbury Chemicals, Inc.				
	p-Nitrobenzoic acid	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	m-Nitrobenzoic acid, sodium salt	(1)	(1)	(1)	
	Crown Metro, Inc.				
	Salsbury Chemicals, Inc.				
	Propyl gallate	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Sulindac	(1)	(1)	(1)	
	Merck & Co., Inc.				
	Residual Total	5,936	7,969	27,750	3.48
2916XX	HTS Level Residual Total	134,313	(1)	(1)	
2917	Polycarboxylic acids, their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	5,479,401	2,876,613	2,430,917	0.85

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
291711	Oxalic acid, its salts and esters	117	141	649	\$ 4.59
29171100	Oxalic acid, its salts and esters	117	141	649	4.59
	Ammonium oxalate	(1)	(1)	(1)	
	<i>Hummel Crofton, Inc.</i>				
	<i>J. T. Baker Chemical Co.</i>				
	Copper oxalate	(1)			
	<i>Shepherd Chemical Co.</i>				
	Diethyl oxalate (Ethyl oxalate)	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Potassium oxalate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Hummel Crofton, Inc.</i>				
	Sodium oxalate	(1)	(1)	(1)	
	<i>Hummel Crofton, Inc.</i>				
	Vanadium oxalate	(1)	(1)	(1)	
	<i>Shepherd Chemical Co.</i>				
	Residual Total	117	141	649	4.59
291712	Adipic acid, its salts and esters	(1)	(1)	(1)	
29171210	Adipic acid	(1)	(1)	(1)	
	Adipic acid	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	<i>Monsanto Co.</i>				
	Residual Total	(1)	(1)	(1)	
29171220	Plasticizers of adipic acid salts and esters	93,008	69,662	128,903	1.85
	Adipic acid esters, all others	(1)	8,174	16,807	2.06
	<i>C.P. Hall Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Henkel Corp.</i>				
	<i>Mobil Oil Corp., Chemical Products Div.</i>				
	<i>Witco Corp.</i>				
	Adipic acid type complex linear polyesters and polymeric plasticizers	24,001	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	<i>Cambridge Industries of America, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Teknor Apex Co.</i>				
	<i>Union Camp Corp., Chemical Div.</i>				
	<i>Witco Corp.</i>				
	Butylene glycol adipate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	Di(2-(2-butoxyethoxy)ethyl) adipate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	<i>Monsanto Co.</i>				
	Dibutoxyethyl adipate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	Di(2-ethylhexyl) adipate	22,347	22,838	31,459	1.38
	<i>Aristech Chemical Corp</i>				
	<i>C.P. Hall Co.</i>				
	<i>Caschem, Inc.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Huls America, Inc.</i>				
	<i>Monsanto Co.</i>				
	<i>Teknor Apex Co.</i>				
	<i>Union Camp Corp., Chemical Div.</i>				
	<i>Witco Corp.</i>				
	Di-n-hexyl adipate	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	Diisobutyl adipate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29171220 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>C.P. Hall Co.</i>				
	<i>Dixie Chemical Co., Inc.</i>				
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	Diisodecyl adipate			(¹)	
	<i>C. P. Hall Co.</i>				
	<i>Hatco Chemical Co.</i>				
	<i>Huls America, Inc.</i>				
	Diisononyl adipate	(1)	(1)	(¹)	
	<i>Aristech Chemical Corp</i>				
	<i>Teknor Apex Co.</i>				
	Diiso-octyl adipate	1,575	(¹)	(¹)	
	<i>C. P. Hall Co.</i>				
	<i>Hatco Chemical Co.</i>				
	<i>Mobil Oil Corp., Chemical Products Div.</i>				
	<i>Union Camp Corp., Chemical Div.</i>				
	Diisopropyl adipate	(1)	(1)	(¹)	
	<i>Scher Chemicals, Inc.</i>				
	<i>Union Camp Corp., Chemical Div.</i>				
	Dimethyl adipate		(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Morflex, Inc.</i>				
	Di-tridecyl adipate		(¹)	(1)	
	<i>Huls America, Inc.</i>				
	<i>Inolex Chemical Co.</i>				
	Ethylene glycol adipate	(¹)	(1)	(¹)	
	<i>C.P. Hall Co.</i>				
	Residual Total	45,086	38,651	35,920	\$ 0.93
29171250	Adipic acid salts and esters, nesl	(¹)	(¹)	(¹)	
	Adipic acid, ammonium salt	(¹)	(1)	(1)	
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	Adipic dihydrazide	(¹)	(1)	(1)	
	<i>Fairmount Chemical Co., Inc.</i>				
	Didecyl adipate		(1)	(1)	
	<i>Quaker Chemical Corp.</i>				
	Diethylene glycol adipate	(1)		(1)	
	<i>C.P. Hall Co.</i>				
	Residual Total	(1)	(1)	(1)	
291712XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
291713	Azelaic acid, sebacic acid, their salts and esters	(1)	(1)	(1)	
29171300	Azelaic acid, sebacic acid, their salts and esters	(1)	(1)	(1)	
	Azelaic acid	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	Azelaic acid esters, all others	(1)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	Di(2-ethylhexyl) azelate	(¹)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	<i>Henkel Corp.</i>				
	Sebacic acid	(¹)	(¹)	(¹)	
	<i>Union Camp Corp., Chemical Div.</i>				
	Residual Total	(¹)	(¹)	(¹)	
291714	Maleic anhydride	197,743	159,688	134,998	0.85
29171410	Maleic anhydride derived in whole or in part from benzene or other aromatic hydrocarbons	197,743	159,688	134,998	0.85
	Maleic anhydride	197,743	159,688	134,998	0.85
	<i>AMOCO Corp.</i>				
	<i>Aristech Chemical Corp</i>				
	<i>Ashland Chemical, Inc. (Columbus, OH)</i>				
	<i>Miles, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29171410 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
<i>Monsanto Co.</i>					
291719	Acyclic polycarboxylic acids, and their anhydrides, halides, peroxides, peroxyacids and their salts and esters, nesi	(1)		(1)	
29171915	Fumaric acid, derived in whole or in part from aromatic hydrocarbons	(11)	12,222	14,009	S 1.15
	Fumaric acid	(¹)	12,222	14,009	1.15
	<i>Haarmann Reimer Corp., Food Ingredients Div.</i>				
	<i>Monsanto Co.</i>				
	<i>Pfizer, Inc.</i>				
	Residual Total	(1)			
29171920	Specified acyclic polycarboxylic acids and their derivatives, described in additional U.S. note 3 to section VI	1 ¹ (1)		(¹) (1)	
	Diethyl succinate				
	<i>Morflex, Inc.</i>				
	Di-isobutylene maleate	(¹)			
	<i>Rohm & Haas Co.</i>				
	glutaric acid esters, all other	(1)	(¹)	(1)	
	<i>C.P. Hall Co.</i>				
	Neopentyl glycol glutarate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	Propylene glycol glutarate		(1)	(1)	
	<i>C.P. Hall Co.</i>				
	Residual Total	(1)	(1)	(¹)	
29171927	Succinic acid, glutaric acid and their derivatives, and derivatives of adipic, fumeric and maleic acids, nesi	(1) (1)	(1) (1)	(1) (¹)	
	tert-Butylperoxy maleic acid			(¹)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	Dibutyl maleate	(1)	(¹)	(¹)	
	<i>Aristech Chemical Corp</i>				
	<i>Huls America, Inc.</i>				
	Di(2-ethyl-1-hexyl) maleate	(1)	(1)	(1)	
	<i>C. H. Patrick & Co., Inc.</i>				
	Diethyl maleate		(1)	(1)	
	<i>Cytec Industries</i>				
	Dioctyl maleate	(1)	(1)	(¹)	
	<i>Aristech Chemical Corp</i>				
	<i>Huls America, Inc.</i>				
	Ditridecyl maleate	(1)	(¹)	(¹)	
	<i>E.F. Houghton & Co.</i>				
	Ethyl maleate, mono	(1)	(¹)	(¹)	
	<i>Rhone Poulenc, Inc.</i>				
	Residual Total	(¹)	(1)	(1)	
29171950	Nonaromatic acyclic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives, nesi	58,285	42,189	108,518	2.57
	Alkyl succinic anhydride	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Alkynylsuccinic anhydride, mixed	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Dibutoxyethyl sebacate	(1)	(¹)	(¹)	
	<i>C.P. Hall Co.</i>				
	Dibutyl sebacate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	<i>Company not disclosed</i>				
	Di-(2-ethylhexyl) peroxydicarbonate	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29171950 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	<i>Witco Corp.</i>				
	Di(2-ethylhexyl) sebacate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	<i>Company not disclosed</i>				
	<i>Teknor Apex Co.</i>				
	Diethyl sebacate	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	Diisopropyl dimerate	(1)	(1)	(1)	
	<i>Scher Chemicals, Inc.</i>				
	Diisopropyl sebacate	(1)	(1)		
	<i>Company not disclosed</i>				
	<i>Scher Chemicals, Inc.</i>				
	Diisostearyl dimerate	(1)	(1)	(1)	
	<i>Scher Chemicals, Inc.</i>				
	Dimer acid (C ₃₆ aliphatic dibasic acid)	(1)	(1)	(1)	
	<i>Arizona Chemical Co.</i>				
	<i>Henkel Corp.</i>				
	<i>Witco Corp.</i>				
	Dimethyl sebacate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Unitex Chemical Corp.</i>				
	Dioctyl dimerate	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Dodecanedioic acid	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	Dodecenylsuccinic anhydride		(1)	(1)	
	<i>Buffalo Color Corp.</i>				
	<i>Dixie Chemical Co., Inc.</i>				
	<i>Humphrey Chemical Co.</i>				
	Glucoheptonic acid, ft-isomer, sodium salt	(1)	(1)	(1)	
	<i>Be/zak Corp.</i>				
	Glucoheptonic acid, sodium salt	(1)	(1)	(1)	
	<i>Belzak Corp.</i>				
	<i>Pfanstiehl Laboratories, Inc.</i>				
	n-Hexadecenylsuccinic anhydride	(1)	(1)	(1)	
	<i>Humphrey Chemical Co.</i>				
	iso-Hexadecenyl succinic anhydride	(1)	(1)	(1)	
	<i>Dixie Chemical Co., Inc.</i>				
	Iso-octadecenylsuccinic anhydride	(1)	(1)	(1)	
	<i>Dixie Chemical Co., Inc.</i>				
	<i>Humphrey Chemical Co.</i>				
	Itaconic acid (Methylenesuccinic acid)	(1)	(1)	(1)	
	<i>Pfizer, Inc.</i>				
	Nonenylsuccinic anhydride	(1)	(1)	(1)	
	<i>Humphrey Chemical Co.</i>				
	Octadecenyl succinic anhydride	(1)	(1)	(1)	
	<i>Humphrey Chemical Co.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	Octenylsuccinic anhydride	1,204	1,167	4,452	\$ 3.81
	<i>Dixie Chemical Co., Inc.</i>				
	<i>Humphrey Chemical Co.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	Polyisobutenyl succinic anhydride	(1)	(1)	(1)	
	<i>Ferro Corp., Keil Chemical Div.</i>				
	Propylene glycol sebacate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29171950 —Continued					
	Succinic anhydride <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	All other succinic anhydride derivatives <i>Ethyl Corp.</i>	(¹)	(1)	(1)	
	Sulfosuccinic acid, bis(diisobutyl)ester, amidodisodium salt <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	Sulfosuccinic acid, bis(2,6-dimethyl-4-heptyl) ester, sodium salt <i>Mona Industries, Inc.</i> <i>National Starch & Chemical Co.</i>	(1)	(1)	(1)	
	Sulfosuccinic acid, bis(2-ethylhexyl)ester, sodium salt <i>Apex Chemical Corp.</i> <i>Burlington Industries</i> <i>C. H. Patrick & Co., Inc.</i> <i>C.N.C. International, Inc.</i> <i>Cytec Industries</i> <i>Eastern Color & Chemical Co.</i> <i>Exxon Chemical Americas</i> <i>Finetex, Inc.</i> <i>Mona Industries, Inc.</i> <i>Moretex Chemical Products, Inc.</i> <i>RPM American Emulsions Co., Inc.</i> <i>West Point Pepperell, Inc., Griffitex Chem. Co.</i> <i>Witco Corp.</i>	6,992		(1)	
	Sulfosuccinic acid, dihexyl ester, sodium salt <i>Cytec Industries</i> <i>Finetex, Inc.</i> <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	Sulfosuccinic acid, diisodecyl ester, sodium salt <i>Finetex, Inc.</i>	(1)	(1)	(1)	
	Sulfosuccinic acid, diisooctyl ester, sodium salt <i>Calgene Chemical Corp.</i> <i>Sherex Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Sulfosuccinic acid, dioctyl ester, sodium salt <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	Sulfosuccinic acid, dipentyl ester, sodium salt <i>Cytec Industries</i>	(1)	(¹)	(¹)	
	Sulfosuccinic acid, ditridecyl ester, sodium salt <i>Cytec Industries</i> <i>Mona Industries, Inc.</i>	(1)	(1)	(¹)	
	Sulfosuccinic acid, (lauryl polyethylene glycol ether) ester, disodium salt <i>Sherex Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Sulfosuccinic acid, monolaureth ester, disodium salt <i>Mona Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i>	(¹)	(1)	(1)	
	Sulfosuccinic acid, oleamidopolyethyleneglycol, disodium salt <i>Mona Industries, Inc.</i>	(¹)	(¹)	(1)	
	Trimer dibasic acids <i>Witco Corp.</i>	(¹)	(1)	(1)	
	Residual Total	50,089	35,606	104,066	\$ 2.92
291719XX	HTS Level Residual Total	18,564	(1)	(1)	
291720	Cydanic, cydenic or cycloterpenic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives		(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29172000	Cydanic, cyclenic or cycloterpenic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	(1)	(1)	(1)	
	1,4-Cyclohexanedicarboxylic acid <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	1,2-Cyclohexanedicarboxylic acid anhydride <i>Occidental Chemical corp., ED&S Div.</i>	(1)	(1)	(1)	
	2-Methyl-5-norbornene-2,3-dicarboxylic anhydride <i>Buffalo Color Corp.</i>	(1)	(1)	(1)	
	5-Norbornene-2,3-dicarboxylic anhydride <i>Monsanto Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)		
291731	Dibutyl orthophthalates	6,555	5,937	7,646	\$ 1.29
29173100	Dibutyl orthophthalates	6,555	5,937	7,646	1.29
	Dibutyl phthalate (including diisobutyl phthalate) <i>Aristech Chemical Corp</i> <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Huls America, Inc.</i> <i>Union Camp Corp., Chemical Div.</i> <i>Unitex Chemical Corp.</i>	6,555	5,937	7,646	1.29
291732	Diocetyl orthophthalates	122,384	121,559	115,436	0.95
29173200	Diocetyl orthophthalates	122,384	121,559	115,436	0.95
	Di(2-ethylhexyl) phthalate <i>Aristech Chemical Corp</i> <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Exxon Chemical Americas</i> <i>Huls America, Inc.</i> <i>Teknor Apex Co.</i>		(1)		
	Diisooctyl phthalate <i>C.P. Hall Co.</i> <i>Exxon Chemical Americas</i> <i>Hatco Chemical Co.</i> <i>Huls America, Inc.</i> <i>Teknor Apex Co.</i>	(1)	(1)	(1)	
	Di-n-octyl phthalate <i>Eastman Kodak Co.</i>	(1)	(1)	(1)	
	Diocetyl phthalates, all other <i>Union Camp Corp., Chemical Div.</i>	(1)	(1)	(1)	
	Residual Total	122,384	121,559	115,436	0.95
291733	Dinonyl or didecyl orthophthalates	(1)	(1)	(1)	
29173300	Dinonyl or didecyl orthophthalates	(1)	(1)	(1)	
	Diisodecyl phthalate <i>Aristech Chemical Corp</i> <i>Exxon Chemical Americas</i> <i>Hatco Chemical Co.</i> <i>Huls America, Inc.</i> <i>Monsanto Co.</i> <i>Teknor Apex Co.</i>	115,859	(1)	(1)	
	Diisononyl phthalate <i>Aristech Chemical Corp</i> <i>Exxon Chemical Americas</i> <i>Hatco Chemical Co.</i> <i>Morflex, Inc.</i> <i>Teknor Apex Co.</i>	(1)	(1)	(1)	
	Dinonyl phthalate <i>BASF Corp (Parsippany, NJ)</i> <i>Exxon Chemical Americas</i> <i>Sterling Chemicals, Inc.</i>	48,296	(1)		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers. 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29173300 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Teknor Apex Co.</i>				
	Residual Total	(1)	(1)	(1)	
291733XX	HTS Level Residual Total		(1)	(1)	
291734	Esters of orthophthalic acid, nesi	166,836	170,882	186,315	\$ 1.09
29173400	Esters of orthophthalic acid, nesi	166,836	170,882	186,315	1.09
	Butyl octyl phthalates	(1)	(1)	(1)	
	<i>Aristech Chemical Corp</i>				
	Butyl phthalyl butyl glycolate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Di(2-butoxyethyl) phthalate	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	Dicyclohexyl phthalate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Unitex Chemical Corp.</i>				
	Diethylene glycol phthalate	(1)	(1)	(1)	
	<i>Cambridge Industries of America, Inc.</i>				
	Diethyl phthalate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Morflex, Inc.</i>				
	Dimethyl phthalate	(1)	4,285	5,925	1.38
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Morflex, Inc.</i>				
	<i>Unitex Chemical Corp.</i>				
	Di-(n-heptyl-n-nonyl) phthalate	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Sterling Chemicals, Inc.</i>				
	Di-(n-heptyl-n-nonyl) undecyl phthalate	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Sterling Chemicals, Inc.</i>				
	Diphenyl phthalate	(1)	(1)	(1)	
	<i>Eastman Kodak Co.</i>				
	Di-tridecyl phthalate	11,223	(1)	(1)	
	<i>Aristech Chemical Corp</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Hatco Chemical Co.</i>				
	<i>Huls America, Inc.</i>				
	<i>Mobil Oil Corp., Chemical Products Div.</i>				
	<i>Teknor Apex Co.</i>				
	Diundecyl phthalate	(1)	(1)	(1)	
	<i>Aristech Chemical Corp</i>				
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Sterling Chemicals, Inc.</i>				
	Glycol phthalate esters, all others	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	Hexyl n-decyl phthalate	(1)	(1)	(1)	
	<i>Vista Chemical Co.</i>				
	n-Octyl n-decyl phthalate	(1)	(1)	(1)	
	<i>Aristech Chemical Corp</i>				
	<i>Vista Chemical Co.</i>				
	Phthalic anhydride esters, all other	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	<i>Monsanto Co.</i>				
	<i>Sterling Chemicals, Inc.</i>				
	<i>Teknor Apex Co.</i>				
	<i>Witco Corp.</i>				
	Residual Total	155,613	166,597	180,390	1.08
291735	Phthalic anhydride	407,350	162,965	115,698	0.71

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29173500	Phthalic anhydride	407,350	162,965	115,698	\$ 0.71
	Phthalic anhydride	407,350	162,965	115,698	0.71
	<i>Aristech Chemical Corp</i>				
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Koppers Industries, Inc.</i>				
	<i>Stepan Co.</i>				
	<i>Sterling Chemicals, Inc.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
291736	Terephthalic acid and its salts	(1)	(1)	(1)	
29173600	Terephthalic acid and its salts	(1)	(1)	(1)	
	Terephthalic acid	(1)	(1)	(1)	
	<i>AMOCO Corp.</i>				
	<i>Cape Industries</i>				
	<i>El. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	Terephthalic acid, calcium salt	(1)	(1)	(1)	
	<i>Synthetic products co.</i>				
	Residual Total	(1)	(1)	(1)	
291739	Aromatic polycarboxylic acids, their anhydrides, halides, peroxides and their derivatives, nesl	(1)	731,229	553,312	0.76
29173910	1,2,4-Benzenetricarboxylic acid, 1,2-dianhydride; naphthalic anhydride; phthalic acid; 4-sulfo4,8-naphthalic anhydride	(1)	(1)	(1)	
	1,2,4-Benzenetricarboxylic acid, 1,2-dianhydride (Trimellitic anhydride)	(1)	(1)	(1)	
	<i>AMOCO Corp.</i>				
	Phthalic acid	(1)	(1)	(1)	
	<i>Eastman Kodak Co.</i>				
	Residual Total	(1)	(1)	(1)	
29173915	Isophthalic acid	(1)	(1)	(1)	
	Isophthalic acid (Benzene-1,3-dicarboxylic acid)	(1)	(1)	(1)	
	<i>AMOCO Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29173920	Plasticizers of aromatic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives	77,916	74,602	109,935	1.47
	Bis(2-ethylhexyl)terephthalate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Butyl benzyl phthalate	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	Cyclic plasticizers, all other	(1)	(1)	(1)	
	<i>Boehme Filatex., Inc.</i>				
	<i>Huls America, Inc.</i>				
	<i>Unitex Chemical Corp.</i>				
	<i>Velsicol Chemical Corp.</i>				
	Diethyl isophthalate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Dimethyl isophthalate	(1)	(1)	(1)	
	<i>Unitex Chemical Corp.</i>				
	Tri(2-ethylhexyl) trimellitate	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Teknor Apex Co.</i>				
	Tri-n-hexyltrimellitate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Triisodecyl trimellitate	(1)		(1)	
	<i>Exxon Chemical Americas</i>				
	Triisononyl trimellitate	(1)	(1)	(1)	
	<i>Teknor Apex Co.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29173920 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Triiso-octyl trimellitate	(1)		(1)	
	<i>Huls America, Inc.</i>				
	all other Trimellitic acid esters	1,954	749	2,254	\$ 3.01
	<i>Aristech Chemical Corp</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Teknor Apex Co.</i>				
	trimethyl trimellitate	(1)	(1)	(1)	
	<i>Ferro Corp., Grant Chemical Div.</i>				
	Triooctyl trimellitate	(1)	(1)		
	<i>Aristech Chemical Corp</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Residual Total	75,962	73,853	107,681	1.46
29173930	Aromatic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives nesi, in add. U.S. note 3 to sec. VI	1,485,413	(1)	(1)	
	Bis(perfluoroalkyl)bis(alpha-monochlorohydril) pyromellitate	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Dimethylammonium hydrogen isophthalate	(1)	(1)	(1)	
	<i>Vanderbilt Chemical Corp. (Bethel, CT)</i>				
	Dimethyl-1,4-cyclohexanedicarboxylate	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Methyl/phthalic ester isomer mixture	(1)	(1)	(1)	
	<i>Cape Industries</i>				
	5-Sulfoisophthalic acid, sodium salt	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Pfister Chemical, Inc.</i>				
	Terephthalic acid, dimethyl ester	1,470,958	(1)	(1)	
	<i>Cape Industries</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Terephthaloyl chloride	(1)	(1)	(1)	
	<i>El. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Twin Lake Chemical, Inc.</i>				
	Tetrabromophthalic anhydride	(1)	(1)	(1)	
	<i>Great Lakes Chemical Corp.</i>				
	Tetrabromophthalic anhydride, diester	(1)	(1)	(1)	
	<i>Great Lakes Chemical Corp.</i>				
	Tetrachlorophthalic anhydride	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	Residual Total	14,455	(1)	(1)	
29173950	Aromatic polycarboxylic acids, their anhydrides, halides, peroxides, peroxyacids and their derivatives, nesi	24,709	9,202	47,944	5.21
	4,4'-Carbonylbis[phthalic anhydride]	(1)	(1)	(1)	
	<i>Allco Chemical Corp.</i>				
	Di-t-butyl diperoxy phthalate	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	Dimethyl-2,6-naphthalenedicarboxylate	(1)	(1)	(1)	
	<i>Sloss Industries</i>				
	Dimethyl-2,3,5,6-tetrachloroterephthalate (DCPA)	(1)	(1)	(1)	
	<i>ISK Biotech Corp.</i>				
	Hexahydrophthalic anhydride	(1)	(1)	(1)	
	<i>Dixie Chemical Co., Inc.</i>				
	Isophthalic acid, dimethyl ester	(1)	(1)	(1)	
	<i>Morfex, Inc.</i>				
	<i>Unitex Chemical Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29173950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Isophthaloyl chloride <i>El. Dupont de Nemours & Co., Inc., Chems & Pigments Twin Lake Chemical, Inc.</i>	(¹)	(1)	(1)	
	Methyltetrahydrophthalic anhydride <i>Dixie Chemical Co., Inc.</i>	(1)	(1)	(1)	
	p-Nitrobenzylmalonate magnesium salt <i>Company not disclosed</i>		(1)	(1)	
	5-Nitroisophthalic acid <i>Salsbury Chemicals, Inc.</i>	(1)	(1)	(1)	
	3,4,9,10-Perylenetetra-carboxylic-3,4:9,10- dianhydride <i>Miles, Inc.</i>	(¹)		(¹)	
	Phthalic acid, lead salt, (Dibasic) <i>Anzon, Inc.</i>	(¹)	(¹)	(¹)	
	Phthaloyl chloride (Phthalyl chloride) <i>Twin Lake Chemical, Inc.</i>	(1)		(1)	
	Pyromellitic dianhydride <i>Allco Chemical Corp.</i>	(1)	(¹)	(¹)	
	5-Sulfoisophthalic acid, 1,3-dimethyl ester, sodium salt <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)		
	Triallyl trimellitate <i>CPS Chemical Co., Inc. Rhône Poulenc, Inc.</i>	(1)	(1)	(1)	
	Trimellitic anhydride, acid chloride <i>Company not disclosed</i>	(¹)	(1)	(1)	
	Trimellitic trichloride <i>Twin Lake Chemical, Inc.</i>		(¹)	(¹)	
	Residual Total	24,709	9,202	47,944	\$ 5.21
291739XX	HTS Level Residual Total	(¹)	647,425	395,433	0.61
2917XX	HTS Level Residual Total	1,759,712	1,264,976	887,109	0.70
2918	Carboxylic acids with additional oxygen function and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives	629,864	611,221	737,123	1.21
291811	Lactic acid, its salts and esters	(1)	(1)		
29181110	Lactic acid	(¹)	(1)	(1)	
	Lactic acid, 100% <i>Pfanstiehl Laboratories, Inc. Sterling Chemicals, Inc.</i>	(¹)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29181150	Salts and esters of lactic acid	2,619	887	4,068	4.58
	Ammonium lactate <i>Inolex Chemical Co.</i>	(¹)	(¹)	(1)	
	C ₁₂ -C ₁₅ alcohol lactates <i>ISP Van Dyk, Inc.</i>	(1)	(1)		
	Cetyl lactate <i>ISP Van Dyk, Inc.</i>		(1)	(1)	
	Lauryl lactate <i>ISP Van Dyk, Inc.</i>	(1)	(1)	(1)	
	Myristyl lactate <i>Caschem, Inc. ISP Van Dyk, Inc.</i>	(1)	(1)	(¹)	
	Potassium lactate <i>Pfanstiehl Laboratories, Inc.</i>	(1)	(¹)	(¹)	
	Sodium lactate (Nalac) <i>American Ingredients Co. Archer Daniels Midland Co.</i>	2,322	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Sales			Average unit value
		Production	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29181160 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Pfanstiehl Laboratories, Inc.</i>				
	Residual Total	296	887	4,068	S 4.58
291813	Salts and esters of tartaric acid	(1)	(1)	(1)	
29181330	Potassium sodium tartrate (Rochelle salts)	(1)	(1)	(1)	
	Potassium sodium tartrate	(1)	(1)	(1)	
	<i>Pfizer, Inc.</i>				
	Residual Total		(1)		
29181350	Salts and esters of tartaric acid, nesi	(1)	(1)	(1)	
	Sodium bitartrate	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	Tartaric acid salts, all other	(1)	(1)	(1)	
	<i>Zeeland Chemical, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
291814	Citric acid	(1)	(1)	(1)	
29181400	Citric acid	(1)	(1)	(1)	
	Citric acid	(1)		(1)	
	<i>Archer Daniels Midland Co.</i>				
	<i>Haarmann Reimer Corp., Food Ingredients Div.</i>				
	Residual Total	(1)	(1)	(1)	
291815	Salts and esters of citric acid	(1)	(1)	(1)	
29181510	Sodium citrate	(1)	(1)	(1)	
	Sodium citrate	(1)	(1)	(1)	
	<i>Archer Daniels Midland Co.</i>				
	<i>Burlington Industries</i>				
	<i>Haarmann Reimer Corp., Food Ingredients Div.</i>				
	<i>Zeeland Chemical, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29181550	Salts and esters of citric acid, except sodium citrate	7,048	7,167	17,834	2.49
	Citric and acetylcitric acid esters, all other		(1)	(1)	
	<i>Catawba Charlab, Inc.</i>				
	<i>Company not disclosed</i>				
	Potassium citrate	(1)	(1)	(1)	
	<i>Archer Daniels Midland Co.</i>				
	<i>Haarmann Reimer Corp., Food Ingredients Div.</i>				
	<i>Zeeland Chemical, Inc.</i>				
	Tributyl acetylcitrate	(1)	(1)	(1)	
	<i>Unitex Chemical Corp.</i>				
	Tributyl citrate	(1)		(1)	
	<i>Company not disclosed</i>				
	Triethyl acetylcitrate	(1)		(1)	
	<i>Company not disclosed</i>				
	Triethyl citrate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	7,048	7,167	17,834	2.49
291816	Gluconic acid, its salts and esters	(1)	(1)	(1)	
29181610	Gluconic acid	(1)	(1)	(1)	
	Gluconic acid, technical	(1)	(1)	(1)	
	PMP Fermentation Products, Inc.				
	Residual Total	(1)	(1)	(1)	
29181650	Salts and esters of gluconic acid	(1)	(1)	(1)	
	Sodium gluconate		(1)	(1)	
	<i>Archer Daniels Midland Co.</i>				
	PMP Fermentation Products, Inc.				
	<i>Pfanstiehl Laboratories, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
291817	Phenylglycolic acid (Mandelic acid), its salts and esters	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29181750	Phenylglycolic (Mandelic) acid salts and esters	(1)	(1)	(1)	
	Hydroxyacetic acid, potassium salt	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	(-)-Octamandellate	(1)	(1)	(1)	
	<i>B.I. Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
291819	Carboxylic acids with alcohol function, w/o other oxygen function, their anhydrides, halides, peroxides, peroxyacids & their derivatives, nesi	9,564	(1)	(1)	
29181920	Aromatic carboxylic acids with alcohol function, w/o other oxygen functions, and their derivatives, described in add. U.S. note 3 to sec. VI	(1)	(1)	(1)	
	Isooctyl-3,5-di-t-butyl-4-hydroxyhydrocinnamate	(1)	(1)	(1)	
	<i>SpecialtyChem Products Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29181930	Aromatic carboxylic acids with alcohol function, without other oxygen functions, and their derivatives, nesi	(1)	(1)	(1)	
	Benzyl 4-hydroxy benzoate	(1)	(1)	(1)	
	<i>Chemdesign Corp.</i>				
	Diflunisal	(1)	(1)	(1)	
	<i>Merck & Co., Inc.</i>				
	Malic acid	(1)	(1)	(1)	
	<i>Haarmann Reimer Corp., Food Ingredients Div.</i>				
	5-Nitrodimethylisophthalate	(1)	(1)	(1)	
	<i>Salsbury Chemicals, Inc.</i>				
	Tetrabromophthalic anhydride, diol	(1)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29181990	Nonaromatic carboxylic acids with alcohol function, without other oxygen function, and their derivatives, nesi	(1)	(1)	(1)	
	n-Butyl acetylricinoleate	(1)	(1)	(1)	
	<i>Caschem, Inc.</i>				
	Butyl ricinoleate	(1)	(1)	(1)	
	<i>Caschem, Inc.</i>				
	Calcium gluceptate	(1)	(1)	(1)	
	<i>Pfanstiehl Laboratories, Inc.</i>				
	Glyceryl monoricinoleate	(1)	(1)	(1)	
	<i>Caschem, Inc.</i>				
	Glyceryl trilacetylricinoleate)	(1)	(1)	(1)	
	<i>Caschem, Inc.</i>				
	Glycolic acid, potassium salt	(1)	(1)	(1)	
	<i>Honig Chemical & Processing Corp.</i>				
	<i>Jarchem Industries, Inc.</i>				
	Glycolic acid, sodium salt	(1)	(1)	(1)	
	<i>Honig Chemical & Processing Corp.</i>				
	<i>Jarchem Industries, Inc.</i>				
	2-Hydroxyethane.sulfonic acid,.sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Isoascorbic acid, sodium salt (Sodium erythorbate)	(1)	(1)	(1)	
	<i>Pfizer, Inc.</i>				
	Lithium ricinoleate	(1)	(1)	(1)	
	<i>Caschem, Inc.</i>				
	Methyl 12-hydroxystearate	(1)	(1)	(1)	
	<i>Caschem, Inc.</i>				
	Methyl ricinoleate	(1)	(1)	(1)	
	<i>Caschem, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29181990 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Henkel Corp.</i>				
	Ricinoleic and acetylricinoleic acid esters, all other	(1)	(1)		
	<i>Caschem, Inc.</i>				
	Ricinoleic acid, magnesium salt	(1)	(1)	(1)	
	<i>Caschem, Inc.</i>				
	Zinc gluceptate	(1)	(1)	(1)	
	<i>Pfanstiehl Laboratories, Inc.</i>				
	Residual Total	(1)		(1)	
291819XX	HTS Level Residual Total	9,564		(1)	
291821	Salicyclic acid and its salts	10,386	(1)	(1)	
29182110	Salicyclic acid and its salts, suitable for medicinal use	(1)	(1)	(1)	
	Aminosalicic acid	(1)	(1)	(1)	
	<i>Zeeland Chemical, Inc.</i>				
	Magnesium salicylate	(1)	(1)	(1)	
	<i>Arenol Chemical Corp.</i>				
	Mesalamine	(1)	(1)	(1)	
	<i>Salsbury Chemicals, Inc.</i>				
	Potassium salicylate	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	Salicylic acid	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	<i>Kalama Chemical, Inc.</i>				
	Sodium salicylate	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29182150	Salicyclic acid and its salts, not suitable for medicinal use	(1)	(1)		
	5,5*-Methylenedisalicic acid	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	Salicylic acid magnesium salt	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	Salicylic acid, tech.	(1)	(1)	(1)	
	<i>Hilton Davis Company</i>				
	<i>Kalama Chemical, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
291821XX	HTS Level Residual Total	10,386	(1)	(1)	
291822	0-Acetylsalicic acid, its salts and esters	(1)	(1)	(1)	
29182210	0-Acetylsalicic acid (Aspirin)	(1)	(1)	(1)	
	Aspirin	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	<i>Proctor & Gamble Pharmaceutical</i>				
	Residual Total	(1)	(1)	(1)	
291823	Esters of salicyclic acid and their salts, nesi	(1)	(1)	(1)	
29182320	Odoriferous or flavoring compounds of other esters of salicyclic acid and their salts, nesi	(1)	(1)	(1)	
	cis-3-Hexenyl salicylate	(1)	(1)	(1)	
	<i>Fragrance Resources, Inc.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Methyl salicylate	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Trimethylcyclohexyl salicylate		(1)	(1)	
	<i>Arsynco, Inc., Sub. of Aceto Corp</i>				
	Residual Total	(1)	(1)	(1)	
29182350	Esters of salicyclic acid and their salts, nesi	(1)	(1)	(1)	
	3,5-Dinitrosalicic acid, methyl ester	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29182350 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Salsbury Chemicals, Inc.</i>				
	Dipropylene glycol salicylate	(1)	(1)	(1)	
	<i>Scher Chemicals, Inc.</i>				
	2-Ethylhexyl salicylate	(1)	11	(1)	
	<i>Fragrance Resources, Inc.</i>				
	Residual Total	(1)	19	19	
291829	Carboxylic acids with phenol function, w/o other oxygen function, their anhydrides, peroxides, peroxyacids and their derivatives, nesi	(1)	(1)	(1)	
29182910	2,3-Cresotic acid; and other specified carboxylic acids with phenol function, but without other oxygen function, and their derivatives, nesi	(1)	(1)	(1)	
	1-Hydroxy-2-naphthoic acid	(1)	(1)	(1)	
	<i>Pfister Chemical, Inc.</i>				
	Residual Total	01	(1)	(1)	
29182940	Carboxylic acids with phenol function, but w/o other oxygen function, and derivatives, described in add. U.S. note 3 to section VI	(1)		(1)	
	2,4-Di-t-butyl phenyl 3,5-di-t-butyl hydroxybenzoate	01	(1)	(1)	
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	p-Hydroxybenzoic acid, ethyl ester (Ethyl paraben)	(1)	0)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	Residual Total	(1)	01	(1)	
29182980	HTS Level Residual Total	1,663	1,675	12,346	\$ 7.37
	p-Hydroxybenzoic acid, butyl ester	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	p-Hydroxybenzoic acid, methyl ester	0)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	<i>Napp Chemicals, Inc.</i>				
	p-Hydroxybenzoic acid, propyl ester	(1)	(1)	(1)	
	<i>Kalama Chemical, Inc.</i>				
	<i>Napp Chemicals, Inc.</i>				
	3-Hydroxy-2-naphthoic acid (B.O.N.)	0)	(1)	(1)	
	<i>Pfister Chemical, Inc.</i>				
	1-Hydroxynaphthoic acid, methyl ester	(1)	(1)	(1)	
	<i>Pfister Chemical, Inc.</i>				
	5-Nitrosalicylic acid	(1)	1)	0)	
	<i>Salsbury Chemicals, Inc.</i>				
	fl-Resorcylic acid	(1)	0)	(1)	
	<i>Indspec Chemical Corp.</i>				
	Residual Total	1,663	1,675	12,346	7.37
291830	Carboxylic acids with aldehyde or ketone function, w/o other oxygen function, their anhydrides, halides, peroxides, peroxyacids & derivatives	(1)	(1)	(1)	
29183030	Aromatic carboxylic acids with aldehyde or ketone function, but without other oxygen function, and derivatives, nesi	(1)	(1)	V)	
	Benzenesulfonic acid, 2-formyl-, sodium salt	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
29183050	Nonaromatic carboxylic acids with aldehyde or ketone function, without other oxygen function, and their derivatives, nesi	(1)	(1)	(1)	
	Decanoic acid, 2-ethyl-2-((1-oxodecyl(oxo)methyl)-1,3-propanediyl ester	(1)	0)	(1)	
	<i>Lonza, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29183060 —Continued					
	Ethyl acetoacetate <i>Eastman Kodak Co., Tennessee Eastman Co. Div. Lonza, Inc.</i>	∞	∞	∞	
	Methyl acetoacetate <i>Eastman Kodak Co., Tennessee Eastman Co. Div. Lonza, Inc.</i>	∞	∞	(1)	
	Octanoic acid, 2-ethyl-2-((1-oxooctyl)oxo)methyl-1,3-propanoate ester <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
291890	Carboxylic acids with additional oxygen function and their anhydrides, halides, peroxides and peroxyacids, nesi	386,850	399,634	354,549	\$ 0.89
29189010	Specified aromatic pesticides derived from carboxylic acids with additional oxygen function, and their derivatives				
	2-(4-Chloro-2-methylphenoxy)propionic acid, dimethylamine salt <i>Riverdale Chemical Co.</i>	(1)	(1)	(1)	
	2-(2,4-Dichlorophenoxy)propionic acid <i>Company not disclosed</i>	(1)	(1)	(1)	
	2-12-Methyl-4-chlorophenoxy)propionic acid, iso-octyl ester <i>Riverdale Chemical Co.</i>	(1)	(9)	(1)	
	Residual Total	(1)	(1)	(1)	
29189020	Aromatic pesticides, derived from carboxylic acids with additional oxygen function, and their derivatives. nesi	13,756	12,177	231,711	19.03
	4-Chloro-2-methylphenoxyacetic acid, iso-octyl ester <i>Riverdale Chemical Co.</i>	(1)	(1)	(1)	
	5(2-Chloro-4-(trifluoromethyl)phenoxy]-2-introbenzoic acid, sodium salt <i>BASF Corp (Parsippany, NJ) Ruetgers Neese Chemical Co.</i>	(1)	(1)	(1)	
	3,6-Dichloro-2-anisic acid (Dicamba) <i>Sandoz Crop Protection (zeffird)</i>	(1)	(1)	(1)	
	2,4-Dichlorophenoxyacetic acid,2-butoxyethyl ester <i>Dow Chemical Co.</i>	∞	(1)	(1)	
	2,4-Dichlorophenoxyacetic acid,sec-butyl ester <i>Dow Chemical Co.</i>	(9)	(1)	∞	
	2,4-Dichlorophenoxyacetic acid,iso-octyl ester <i>Dow Chemical Co. Riverdale Chemical Co.</i>	(1)	(1)	(1)	
	2,4-Dichlorophenoxyacetic acid,isopropyl ester <i>Amvac Chemical Corp.</i>	∞	∞	(9)	
	2-Methyl-4-chlorophenoxy acid dimethylamine salt (MCPA DMA) <i>Dow Chemical Co.</i>	(1)	(1)	(1)	
	2-(2-Methyl-4-chlorophenoxy)propionic acid dimethylamine salt (MCPA DMA salt) <i>Dow Chemical Co.</i>	(1)	(1)	(1)	
	Residual Total	13,756	12,177	231,711	19.03
29189030	Aromatic drugs derived from carboxylic acids with additional oxygen function, and their derivatives, nesi				
	Ethacrynic acid <i>Eastman Kodak Co.</i>	∞	∞	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29189030 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Merck & Co., Inc.</i>				
	Fenoprofen calcium	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Gemfibrozil	(1)	(1)	(1)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Salsalate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
29189035	Odoriferous or flavoring compounds of carboxylic acids with additional oxygen function, and their derivatives, nesi		(1)	(1)	
	Ethyl furoate	(1)	(1)	(1)	
	<i>International Flavors & Fragrances, Inc.</i>				
	<i>SCM Corp., Glidco Organics</i>				
	2-Phenoxyethyl isobutyrate	(1)	(1)		
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29189040	Aromatic carboxylic acids with additional oxygen function, nesi, and their derivatives described in additional U.S. note 3 to section VI	(1)	(1)	(1)	
	d,1-2-16'-Methoxy-2'-naphthhyppropionic acid	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
29189045	Aromatic carboxylic acids, with additional oxygen function, nesi, and their derivatives, nesi				
	Anisoyl chloride	365,277 (1)	372,442 (1)	77,255 (1)	\$ 0.21
	<i>Sterling Drug, Inc. (Barceloneta)</i>				
	Ligninsulfonic acid, ammonium salt	1,870	1,875	545	0.29
	<i>Georgia Pacific Corp., Bellingham Div.</i>				
	<i>ITT Rayonier Liguin Products, Inc.</i>				
	<i>Lignotech (U.S.), Inc.</i>				
	Ligninsulfonic acid, calcium salt	267,411	271,605	35,037	0.13
	<i>Flambeau Paper Corp.</i>				
	<i>Georgia Pacific Corp., Bellingham Div.</i>				
	<i>Lignotech (U.S.), Inc.</i>				
	Ligninsulfonic acid, chromium salt	(1)	(1)	(1)	
	<i>Georgia Pacific Corp., Bellingham Div.</i>				
	<i>ITT Rayonier Liguin Products, Inc.</i>				
	Ligninsulfonic acid, iron salt	(1)	(1)	(1)	
	<i>Georgia Pacific Corp., Bellingham Div.</i>				
	<i>Lignotech (U.S.), Inc.</i>				
	Ligninsulfonic acid, magnesium salt	(1)	(1)	(1)	
	<i>Lignotech (U.S.), Inc.</i>				
	Ligninsulfonic acid, manganese salt	(1)	(1)	(1)	
	<i>Lignotech (U.S.), Inc.</i>				
	Ligninsulfonic acid, mixed chromium and iron salts	(1)	(1)	(1)	
	<i>Georgia Pacific Corp., Bellingham Div.</i>				
	Ligninsulfonic acid, mixed salt	(1)	(1)	(1)	
	<i>Lake States, Div. of Rhineland Paper Co.</i>				
	Ligninsulfonic acid, sodium salt	83,249	86,055	37,202	0.43
	<i>Exxon Chemical Americas</i>				
	<i>Georgia Pacific Corp., Bellingham Div.</i>				
	<i>ITT Rayonier Liguin Products, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Lignotech (U.S.), Inc.</i>				
	<i>Westvaco Corp.</i>				
	Ligninsulfonic acid, zinc salt	(1)		(1)	
	<i>Georgia Pacific Corp., Bellingham Div.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29189046 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Lignotech (U.S.), Inc.</i>				
	Residual Total	12,747	12,907	4,471	\$ 0.35
29189050	Nonaromatic carboxylic acids with additional oxygen function, and their derivatives, nesi	4,557	12,239	23,982	1.96
	n-Butyl-4,4-bis[t-butylperoxy]valerate <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>	(1)	(1)	(1)	
	Epoxidized esters, all other <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Ethyl 3,3-di(t-butyl peroxy) butyrate <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>	(1)	(1)	(1)	
	2-Ethylhexyl epoxytallates <i>Union Carbide Corp., Industrial Chemicals Div. Witco Corp.</i>	(1)	(1)	(1)	
	Glycolic acid (Hydroxyacetic acid) <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	Isopropyl-1 1-methoxy-3,7, 1 1-trimethyldodeca-2,4-dienoate (Methoprene) <i>Company not disclosed Sandoz Crop Protection (zeffird)</i>	(1)	(1)	(1)	
	Oxyluminum octanoate <i>Chattem, Inc. Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Tridecyloxypoly(ethyleneoxy)propionic acid, potassium salt <i>Marlowe Van Loan Corp.</i>	(1)	(1)	(1)	
	Residual Total	4,557	12,239	23,982	1.96
291890XX	HTS Level Residual Total	3,260	2,776	21,600	7.78
2918XX	HTS Level Residue! Total	210,759	198,368	239, 665	1.21
2919	Phosphoric esters and their salts; including lactophosphates; thee halogenated, sulfonated, nitrated or nitrosated derivatives		(1)	(1)	
291900	Phosphoric esters and their salts, including lactophosphates; their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)		(1)	
29190010	Aromatic plasticizers of phosphoric esters and their salts			(1)	
	Diphenyl-t-butylhexyl phosphite <i>Witco Corp.</i>	(1)	(1)	(1)	
	Diphenylisodecyl phosphite <i>Ethyl Corp. Witco Corp.</i>	(1)	(1)	(1)	
	Diphenylisooctyl phosphite <i>Witco Corp.</i>	(1)	(1)	(1)	
	Phenylisodecyl phosphite <i>Witco Corp.</i>		(1)	(1)	
	Triphenyl phosphate <i>FMC Corp., Nitro Div.</i>	(1)	(1)		
	Residual Total	(1)	(1)	(1)	
29190030	Aromatic phosphoric esters and their salts, including lactophosphates, and their derivatives, not used as plasticizers	(1)	(1)	(1)	
	Decyl alcohol, phosphated <i>Moretex Chemical Products, Inc. Omega Chemicals, Inc. Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Dinonylphenol, ethoxylated and phosphated <i>Ethox Chemicals, Inc. Grant Industries, Inc.</i>	504	504	1,085	2.15

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29190030 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Rhone Poulenc, Inc.</i>				
	Nonylphenol, ethoxylated and phosphated	3,944	4,136	9,363	S 2.26
	<i>Arol Chemical Products Co.</i>				
	<i>Dexter Chemical Corp.</i>				
	<i>Essential Industries, Inc.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Finetex, Inc.</i>				
	<i>Grant Industries, Inc.</i>				
	<i>Harcros Chemicals, Inc.</i>				
	<i>Hart Products Corp.</i>				
	<i>Leatex Chemical Co.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Moretex Chemical Products, Inc.</i>				
	<i>Olin Corp. viii, ix, xii, xiv, xv)</i>				
	<i>Omega Chemicals, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Ruetgers Nease Chemical Co.</i>				
	<i>Virkler Co.</i>				
	<i>Witco Corp.</i>				
	Nonylphenyl phosphites, mixed	(¹)	(¹)	(¹)	
	<i>General Electric Co., Speciality Chemical group</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Octylphenol, ethoxylated and phosphated	36	36	54	1.52
	<i>Reilly Whiteman, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Witco Corp.</i>				
	Tridecylphenol, ethoxylated and phosphated	(¹)	(¹)	(¹)	
	<i>Sybron Chemicals, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29190050	Nonaromatic phosphoric esters and their salts, including lactophosphates, and their derivatives	49,595	43,570	129,743	2.98
	Acyclic phosphoric acid ester plasticizers, all other	9,390	(¹)	V/	
	<i>FMC Corp., Nitro Div.</i>				
	<i>Mobil Oil Corp., Chemical Products Div.</i>				
	<i>Monsanto Co.</i>				
	Butyl acid phosphate		(¹)	V)	
	<i>Occidental Chemical corp., ED&S Div.</i>				
	Butyl phosphate		(¹)	(¹)	
	<i>Sybron Chemicals, Inc.</i>				
	Butyl phosphate, potassium salt	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	2-Carbomethoxy-1-propen-2-yl dimethyl phosphate	(¹)	(¹)	(¹)	
	<i>Amvac Chemical Corp.</i>				
	Decyl polyphosphate, sodium salt	(¹)	(¹)	(¹)	
	<i>Croda, Inc.</i>				
	1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate (Naled)	(¹)	(¹)	(¹)	
	<i>Amvac Chemical Corp.</i>				
	Diethylhexyl phosphoric acid	(¹)	(¹)	(¹)	
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	0,0-Dimethyl-1-0-2,2-dichlorovinyl phosphate (DDVP)	(¹)	(¹)	(¹)	
	<i>Amvac Chemical Corp.</i>				
	Dodecyl alcohol, ethoxylated and phosphated	(¹)	(¹)	(¹)	
	<i>Exxon Chemical Americas</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers. 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29190050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Grant Industries, Inc.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Dodecylphenol, ethoxylated and phosphated	(1)	(¹)	(1)	
	<i>Dexter Chemical Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	1,2 Ethanediol phosphate	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Ethanol, 2,2',2"-nitrilotris-tris(dihydrogen phosphate)ester, disodium salt		(¹)	(¹)	
	<i>Company not disclosed</i>				
	2-Ethylhexanol, ethoxylated and phosphated	1,270	1,242	1,499	\$ 1.21
	<i>Ethox Chemicals, Inc.</i>				
	<i>Grant Industries, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	PPG Industries, Inc.				
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	<i>Witco Corp.</i>				
	2-Ethylhexanol, ethoxylated, phosphated, potassium salt			(1)	
	<i>Burlington Industries</i>				
	2-Ethylhexyl phosphate	277	277	427	1.54
	<i>C. H. Patrick & Co., Inc.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	<i>Olin Corp. (viii, ix, xii, xiv, xv)</i>				
	<i>Omega Chemicals, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
	2-Ethylhexylphosphate, potassium salt	(¹)	(1)	(1)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	2-Ethylhexyl phosphate, sodium salt	216		(1)	
	<i>C. H. Patrick & Co., Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Hickson Danchem Corporation</i>				
	<i>Moretex Chemical Products, Inc.</i>				
	<i>Yorkshire Pat Chem, Inc.</i>				
	2-Ethylhexyl polyphosphate, sodium salt	(1)	(1)	(1)	
	<i>Dexter Chemical Corp.</i>				
	2-Ethylmexanol, phosphated, potassium salt	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Hexylalcohol, ethoxylated and phosphated	(¹)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Hexyl phosphate	(¹)	(¹)	(¹)	
	<i>Ethox Chemicals, Inc.</i>				
	<i>Finetex, Inc.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Hexyl phosphate, potassium salt	(1)	(¹)	(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Hydrocarbon phosphorous acid, barium salt	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Hydrocarbon phosphoryl derivatives	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	Isodecyl diphenyl phosphate	(¹)	(¹)		
	<i>Monsanto Co.</i>				
	Isooctyl phosphate	(1)	(1)	(1)	
	<i>Burlington Industries</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29190060 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Quaker Chemical Corp.				
	Isooctyl phosphate, potassium salt	(1)	(1)	(1)	
	Quaker Chemical Corp.				
	Isopentyl alcohol, ethoxylated and phosphated	(1)	(1)	(1)	
	Company not disclosed				
	Rhone Poulenc, Inc.				
	isopropyl phosphate	(1)	(1)	(1)	
	Sybron Chemicals, Inc.				
	Methyl dihydrogen phosphate	(1)	(1)	(1)	
	Occidental Chemical corp., ED&S Div.				
	Nonylphenol, ethoxylated and phosphated, diethanolamine salt	(1)	(1)	(1)	
	Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)				
	Nonylphenol, ethoxylated and phosphated, sodium salt	(1)	(1)	(1)	
	Witco Corp.				
	9-Octadecenyl alcohol, ethoxylated and phosphated	(1)	(1)	(1)	
	Ethox Chemicals, Inc.				
	Hoechst Celanese Corp., Sou Tex Works				
	Mona Industries, Inc.				
	Rhone Poulenc, Inc.				
	Octyl polyphosphate	(1)	(1)	(1)	
	Dexter Chemical Corp.				
	Octyl polyphosphate, potassium salt	(1)	(1)	(1)	
	Dexter Chemical Corp.				
	Phosphonic acid, [1,2-ethanediyIbisinitrilobis (methylene)1]tetrakis-, ammonium salt	(1)	(1)	(1)	
	Company not disclosed				
	Phosphonic acid, (nitrilotris(methylene)1-tris-, ammonium salt	(1)	(1)	(1)	
	Company not disclosed				
	Phosphonic acid, [nitrilotris(methylene)1-tris, sodium salt	(1)	(1)	(1)	
	Company not disclosed				
	Phosphorus acid esters, all other	(1)	(1)	(1)	
	Company not disclosed				
	Company not disclosed				
	Dover Chemical Corp., sub. of ICC Industries, Inc.				
	Stearyl acid phosphate	(1)	(1)	(1)	
	Occidental Chemical corp., ED&S Div.				
	Tetrakis(2-chloroethyl)ethylene diphosphate	(1)	(1)	(1)	
	Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)				
	Tri(2-butoxyethyl) phosphate	(1)	(1)	(1)	
	FMC Corp., Nitro Div.				
	Monsanto Co.				
	Rhone Poulenc, Inc.				
	Tributyl phosphate	(1)	(1)	(1)	
	FMC Corp., Nitro Div.				
	Tricresyl phosphate	(1)	(1)	(1)	
	FMC Corp., Nitro Div.				
	Tridecyl alcohol, ethoxylated and phosphated	6,285	(1)	(1)	
	Company not disclosed				
	Dexter Chemical Corp.				
	Ethox Chemicals, Inc.				
	Finetex, Inc.				
	Grant Industries, Inc.				
	Hickson Danchem Corporation				
	Hoechst Celanese Corp., Sou Tex Works				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29190050 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Lonza, Inc.				
	Milliken & Co., Milliken Chemical Div.				
	Rhone Poulenc, Inc.				
	Virkler Co.				
	Tridecyl alcohol ethoxylated and phosphated, potassium salt	(1)	(1)	(1)	
	Dexter Chemical Corp.				
	Tridecyl phosphate	(1)	(1)	(1)	
	Hoechst Celanese Corp., Sou Tex Works				
	Triethyl phosphate	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Trioctyl phosphate	(1)	(1)	(1)	
	FMC Corp., Nitro Div.				
	Rhone Poulenc, Inc.				
	Tris-2-chloropropyl phosphate	(1)	(1)	(1)	
	Pelron Corp.				
	Residual Total	32,156	42,051	127,817	\$ 3.04
2920	Esters of other inorganic acids (excluding esters of hydrogen halides) and their salts; their halogenated, sulfonated, nitrated or nitrosated derivatives	(1)	(1)	(1)	
292010	Thiophosphoric esters (phosphorothioates) and their salts; their halogenated, sulfonated, nitrated or nitrosated derivatives	71,567	(1)	(1)	
29201020	Aromatic phosphorothioates, their salts and their halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	1,053	(1)	(1)	
	0-(2,4-Dichlorophenyl) 0-ethyl S-propyl phosphorodithioate	(1)	(1)	(1)	
	Miles, Inc., Agricultural Chemicals Div.				
	Dicresylphosphorodithioic acid, ammonium salt	(1)	(1)	(1)	
	Cytec Industries				
	Dicresylphosphorodithioic acid, sodium salt		(1)	(1)	
	Company not disclosed				
	0-Ethyl 0(4-(methylthio)phenyl) S-propyl phosphorodithioate	(1)	(1)	(1)	
	Miles, Inc., Agricultural Chemicals Div.				
	Zinc dialkylphenol dithiophosphate	(1)	(1)	(1)	
	Chevron Corp., Chevron Chemical Co.				
	Residual Total	1,053		(1)	
29201050	Nonaromatic phosphorothioates, their salts and halogenated, sulfonated, nitrated or nitrosated derivatives, nesi	70,514	61,154	163,293	2.67
	Diethyl phosphorochloridothionate	(1)	(1)	(1)	
	Ethyl Corp.				
	Phosphorodithioates used as lubricating oil and grease additives, all other	(1)	(1)	(1)	
	Company not disclosed				
	Company not disclosed				
	Sodium di-sec-butyl/diethyl phosphorodithioate	(1)	(1)	(1)	
	Cytec Industries				
	Sodium di-sec-butyl phosphorodithioate		(1)	(1)	
	Cytec Industries				
	Elco Corp. sub. of Detrex Chemical Industries, Inc.				
	Sodium diethyl phosphorodithioate	(1)	(1)	(1)	
	Cytec Industries				
	Elco Corp. sub. of Detrex Chemical Industries, Inc.				
	Sodium diisobutyl phosphorodithioate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29201050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	Sodium diisopropyl phosphorodithioate	(1)	(1)	(1)	
	<i>Cytec Industries</i>				
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	Soil fumigants, etc., all other	(1)	(1)	(1)	
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	<i>Niklor Chemical Co., Inc.</i>				
	O,O,O',O'-Tetraethyl S,S'-methylene bisphosphorodithioate (Ethion)	(1)	(1)	(1)	
	<i>FMC Corp., Agricultural Chemical Group</i>				
	Trialkyl thiophosphite	(1)	(1)	(1)	
	<i>General Electric Co., Speciality Chemical group</i>				
	Zinc dialkyldithiophosphate	(1)	(1)	(1)	
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	<i>Ethyl Corp.</i>				
	<i>Texaco Chemical Co.</i>				
	Zinc dibutyl phosphorodithioate	(1)	(1)	(1)	
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	Zinc hydrocarbon dithiophosphate	(9)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	70,514	61,154	141,635	\$ 2.32
292010	HTS Level Residual Total		(1)	(1)	
	Triethyl phosphonacetate	(1)	(1)	(1)	
	<i>Amvac Chemical Corp.</i>				
	Residual Total	(1)	(1)	(1)	
292090	Esters of inorganic acids (excl. esters of hydrogen halides) & salts; their halogenated, sulfonated, nitrated or nitrosated derivatives, nesl	108,621	54,841	141,301	2.58
29209020	Aromatic esters of other inorganic acids (excluding hydrogen halides) their salts and their derivatives, nesl	7,121	3,325	15,382	4.63
	Diphenyl carbonate	(1)	(1)	(1)	
	<i>Vanchem, Inc.</i>				
	Nonylphenol, ethoxylated and sulfated, ammonium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	<i>Stepan Co.</i>				
	Octylphenol, ethoxylated and sulfated, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	<i>Stepan Co.</i>				
	Polyphenolic phosphites, polyalkylated	(1)	(1)	(1)	
	B F Goodrich Co.				
	<i>General Electric Co., Speciality Chemical group</i>				
	Triphenyl phosphine	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Triphenyl phosphite	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Residual Total	7,121	3,325	15,382	4.63
29209050	Nonaromatic esters of other inorganic acids (excluding hydrogen halides), their salts and their derivatives, nesl	101,500	51,516	125,920	2.44
	Bis[2-(bis[2-hydroxyethyl]amino)ethyl] diisopropyl titanate	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	tert-Butyl peroxyisopropylcarbonate	(1)	(1)	VI	
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29209050 —Continued					
	Decyl sulfate, sodium salt <i>Atlas Refinery, Inc.</i> <i>Henkel Corp.</i> <i>Miles, Inc., Agricultural Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Dialkyl dicarbonate <i>Synthron, Inc.</i>	(¹)			
	Diethyl carbonate (Ethyl carbonate) PPG Industries, Inc.	(¹)	(¹)	(¹)	
	Di-n-propyl peroxydicarbonate <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>	(1)	(1)		
	Di(sec-butyl)peroxydicarbonate <i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>	(1)	(¹)	(9)	
	Dodecyl alcohol, ethoxylated and sulfated, ammonium salt <i>Gillette Chemical Co.</i> <i>Henkel Corp.</i> <i>Lonza, Inc.</i> <i>Mona Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i>	676		(1)	
	Dodecyl alcohol, ethoxylated and sulfated, sodium salt <i>Henkel Corp.</i> <i>Lonza, Inc.</i> <i>Rhone Poulenc, Inc.</i>	6,729	5,232	14,481	S 2.77
	Dodecyl sulfate, ammonium salt <i>Gillette Chemical Co.</i> <i>Henkel Corp.</i> <i>Lonza, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Stepan Co.</i>	9,186	6,708	15,226	2.27
	Dodecyl sulfate, magnesium salt <i>Henkel Corp.</i> <i>Lonza, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Stepan Co.</i>	83	57	285	5.04
	Dodecyl sulfate, sodium salt <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>Gillette Chemical Co.</i> <i>Henkel Corp.</i> <i>Lever Brothers co</i> <i>Lonza, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Stepan Co.</i>	13,409	11,053	32,904	2.98
	2-Ethylhexyl nitrate <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(1)	(¹)	(¹)	
	2-Ethylhexyl sulfate, sodium salt <i>Henkel Corp.</i> <i>Niacet Corp.</i> <i>Piedmont Chemical Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Witco Corp.</i>	841	793	2,330	2.94
	7-Ethyl-2-methyl-4-undecyl sulfate, sodium salt <i>Niacet Corp.</i>	(1)	(1)	(¹)	
	Ethyl sulfate (Diethyl sulfate) <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(¹)	(¹)	(¹)	
	cis-3-Hexenyl methyl carbonate <i>International Flavors & Fragrances, Inc.</i>	(1)	(1)	(1)	
	Hexyl sulfate, potassium salt	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29209050 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Dexter Chemical Corp.</i>				
	Isobutanol, ethoxylated and sulfated, ammonium salt	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Lignin, sodium salt	(1)	(¹)	(¹)	
	<i>Westvaco Corp.</i>				
	Methyl sulfate (Dimethyl sulfate)		(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Huls America, Inc.</i>				
	Octyl sulfate, sodium salt	(¹)	(1)	(1)	
	<i>Henkel Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Witco Corp.</i>				
	Oleyl sulfate, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Propylene carbonate	(¹)	(¹)	(¹)	
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	Propyl oleate, sulfated, sodium salt	(¹)	(¹)	(¹)	
	<i>Marlowe Van Loan Corp.</i>				
	Sodium dihydro-bis(2-methoxyethoxy)aluminate	(¹)		(¹)	
	<i>Zeeland Chemical, Inc.</i>				
	Tetrabutyl titanate	(1)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Tetraethyl orthosilicate (Tetraethyl silicate)	(1)	(¹)	(¹)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Tetraisoopropyl titanate	(1)	(1)	(1)	
	<i>EL Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Tetrakis(2-ethylhexyl)titanate	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., ChemS & Pigments</i>				
	<i>Huls America, Inc.</i>				
	Titanic acid esters, all other	(¹)	(¹)	(¹)	
	<i>Dock Resins Corp.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Tridecyl alcohol, ethoxylated and sulfated, sodium salt	(1)		(1)	
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Tridecyl sulfate, sodium salt		(¹)	(¹)	
	<i>Henkel Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Witco Corp.</i>				
	Triethyl phosphite	(¹)	(1)	(1)	
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	Triisodecylphosphite	(1)	(¹)	(1)	
	<i>Dover Chemical Corp., sub. of ICC Industries, Inc.</i>				
	Triisooctyl phosphite	(¹)		(¹)	
	<i>General Electric Co., Speciality Chemical group</i>				
	Trimethyl phosphite	(¹)	(¹)		
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	Residual Total	70,575	27,179	60,692	S 2.23
2921	Amine-function compounds	1,910,924	796,357	1,269,973	1.59
292111	Methylamine, di- or trimethylamine, and their salts		(¹)	(¹)	
29211100	Methylamine, di- or trimethylamine, and their salts	(1)	(1)		
	Dimethylamine	(¹)	(¹)	(¹)	
	<i>Air Products & Chemicals, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29211100 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Methylamine, mono		(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Trimethyl amine	(1)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Trimethylamine hydrochloride	(1)	(1)	(1)	
	<i>R.S.A. Corp.</i>				
	N,N,N-Trimethyl methanaminium octahydrotriborate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
292112	Diethylamine and its salts	(1)	2,688	4,880	\$ 1.82
29211200	Diethylamine and its salts	(1)	2,688	4,880	1.82
	Diethylamine	(1)	2,688	4,880	1.82
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. Ixv)</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Residual Total				
292112XX	HTS Level Residual Total	(1)			
292119	Acyclic monamines and their derivatives, nesi	128,482	103,239	175,772	1.70
29211910	Mono- and triethylamines: mono-, di-, and tri(propyl- and butyl-) monoamines; salts of any of the foregoing	92,298	86,978	123,013	1.41
	n-Butylamine, mono	(1)		(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	sec. Butylamine, mono	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	tert. Butylamine, mono	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	Di. n. butylamine	4,289	3,937	6,315	1.60
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	Diisobutylamine	(1)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	Diisopropanolamine	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	Diisopropylamine	(1)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	Dipropylamine	(1)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	Dodecylbenzenesulfonic acid, isopropylamine salt	1,250	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Eastern Color & Chemical Co.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Ruetgers Nease Chemical Co.</i>				
	<i>Stepan Co.</i>				
	<i>Witco Corp.</i>				
	Ethyl alcohol, phosphated, amine salt	(1)	(1)	(1)	
	<i>Unitex Chemical Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29211910 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Ethylamine, mono- <i>Air Products & Chemicals, Inc.</i> <i>Elf Atochem North America, Inc.</i> <i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	<>	
	Isopropylamine, mono <i>Air Products & Chemicals, Inc.</i> <i>Elf Atochem North America, Inc.</i> <i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	<>	<>	
	Propylamine, mono- <i>Air Products & Chemicals, Inc.</i>	<>	<>	(1)	
	Tri-n-butylamine <i>Air Products & Chemicals, Inc.</i> <i>Elf Atochem North America, Inc.</i>	(1)	<>	CI	
	Triethylamine <i>Air Products & Chemicals, Inc.</i> <i>Elf Atochem North America, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	>>	(1)	
	Triethylamine, nitric acid salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	Triisopropanolamine <i>Dow Chemical Co.</i>	(1)	(1)	(1)	
	Tripopylamine <i>Air Products & Chemicals, Inc.</i>	(1)	(1)	(1)	
	Residual Total	86,760	83,041	114,045	\$ 1.37
29211950	Acyclic monoamines and their derivatives and salts thereof, nesi	36,184	16,262	52,759	3.24
	Allylamine <i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>	(1)	(1)	(1)	
	Boric acid-amine adducts <i>Ferro Corp., Keil Chemical Div.</i>			<>	
	n-Butylethylamine <i>Air Products & Chemicals, Inc.</i> <i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>	<>			
	C ₁₂₋₁₆ Alkyldimethylamines <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Dialkyl (C ₁₂₋₁₆) methylamines <i>Lonza, Inc.</i>	(1)	<>	(1)	
	Diallylamine <i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>	(1)	(1)	(1)	
	N,N-Didecylmethylamine <i>Sherex Chemical Co., Inc.</i>	<>	(1)	(1)	
	Di-2-ethylhexylamine BASF Corp (Parsippany, NJ)	<>	01	(1)	
	N,N-Dimethyl-N-alkylamine phosphate <i>Company not disclosed</i>	01	<>	(1)	
	N,N-Dimethyldodecylamine <i>Akzo Chemicals, Inc.</i> <i>Ethyl Corp.</i> <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>	(1)	<>	(1)	
	N,N-Dimethylethylamine BASF Corp (Parsippany, NJ)	CI	(1)	(1)	
	N,N-Dimethylhexadecylamine <i>Akzo Chemicals, Inc.</i> <i>Ethyl Corp.</i> <i>Lonza, Inc.</i>	1,794	778	2,020	2.60

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29211950 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Sherex Chemical Co., Inc. Witco Corp.			(1)	
	N,N-Dimethyloctadecenylamine Witco Corp.	(1)			
	N,N-Dimethyloctadecylamine Akzo Chemicals, Inc. Enenco, Inc. Ethyl Corp.	2,296	2,157	5,581	\$ 2.59
	Sherex Chemical Co., Inc. Witco Corp.				
	N,N-Dimethyl-1-octanamine Lonza, Inc.	(1)	(1)	(1)	
	N,N-Dimethyltetradecylamine Akzo Chemicals, Inc. Ethyl Corp.	(1)	(1)	(1)	
	Sherex Chemical Co., Inc.				
	Dodecylamine Akzo Chemicals, Inc. Jetco Chemicals, Inc. Sherex Chemical Co., Inc. Witco Corp.	(1)	(1)	(1)	
	N-Dodecyl-N,N-dimethylamine Lonza, Inc.	(1)	(1)	(1)	
	N-Ethyl-1,2-dimethylpropylamine BASF Corp (Parsippany, NJ)	(1)	(1)	(1)	
	(2-Ethylhexylamine, mono- Elf Atochem North America, Inc.	(1)	(1)	(1)	
	Hexadecylamine Akzo Chemicals, Inc. Enenco, Inc. Witco Corp.	(1)	178	510	2.87
	N-Hexadecyl-N,N-dimethylamine Lonza, Inc.	(1)	(1)	(1)	
	n-Hexylamine Chemical Exchange Industries, Inc. Elf Atochem North America, Inc.	(1)	(1)	(1)	
	Hexyloxypropyl amine E.I. DuPont de Nemours & Co., Inc., Chems & Pigments	(1)	(1)	(1)	
	Methylaminoacetaldehyde dimethyl acetal (MAADMA) SpecialtyChem Products Corp.	(1)	(1)	(1)	
	Methyl didecylamine Akzo Chemicals, Inc.	(1)	(1)	(1)	
	N-Methyldioctadecylamine Akzo Chemicals, Inc.		(1)	(1)	
	Methyl neodecanamide Lonza, Inc.	(1)	(1)	(1)	
	N-Methyl-N-octyl-1-decanamine	(1)	(1)	(1)	
	N-Methyl-N-octyl-1-octanamine Lonza, Inc.	(1)	(1)	(1)	
	9-Octadecenylamine Akzo Chemicals, Inc. Enenco, Inc. Jetco Chemicals, Inc. Sherex Chemical Co., Inc. Witco Corp.	3,416	1,679	3,521	2.10
	(9-Octadecenyl)amine, ethoxylated Akzo Chemicals, Inc. Company not disclosed	1,575	1,381	2,521	1.82

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29211960 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Ethox Chemicals, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Octadecylamine	1,631	725	1,920	\$ 2.65
	<i>Akzo Chemicals, Inc.</i>				
	<i>Enenco, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Octadecylamine acetate	(¹)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	Octadecylamine, ethoxylated	(¹)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	N-Octadecyl-N,N-dimethylamine	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	tert-Octylamine	(¹)	(¹)	(¹)	
	<i>Rohm & Haas Co.</i>				
	2-Propene-1-amine, N-methyl-N-2-propenyl	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	N-Tetradecyl-N,N-dimethylamine	(¹)	(¹)	(¹)	
	<i>Lonza, Inc.</i>				
	Tilidine hydrochloride		(1)	(¹)	
	<i>Pharmachem Corp.</i>				
	Triallylamine			(¹)	
	<i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>				
	3-(3-Tridecyloxy)propylaminopropyl amine	(¹)	(¹)	(¹)	
	<i>Sherex Chemical Co., Inc.</i>				
	Triisodecylamine	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	Trilaurylamine	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	Trioctylamine	(¹)		(¹)	
	<i>Henkel Corp.</i>				
	Residual Total	25,472	9,363	36,687	3.92
292121	Ethylenediamine and its salts	(¹)	28,574	56,507	1.98
29212100	Ethylenediamine and its salts		28,574	56,507	1.98
	Ethylenediamine	(¹)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Dow Chemical Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Ethylenediamine dihydriodide	(1)	(¹)	(¹)	
	<i>Ajay Chemicals, Inc.</i>				
	<i>Deep water Iodides, Inc.</i>				
	N-(2-Hydroxyethyl)-N,N',N'-tris(2-hydroxypropyl)-ethylenediamine	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Stearic acid,N,N,N',N'-tetrakis(2-hydroxyethyl)-ethylenediamine salt	(¹)	(¹)	(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	N,N,N',N'-Tetrakis(2-hydroxypropyl) ethylenediamine, propoxylated and ethoxylated	(¹)	(¹)	(¹)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Ethox Chemicals, Inc.</i>				
	Residual Total	(1)	28,574	56,507	1.98

See endnotes at and of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
292121XX	HTS Level Residual Total	(¹)			
292122	Hexamethylenediamine and its salts	(¹)	(¹)	(¹)	
29212205	Hexamethylenediamine adipate (Nylon salt)	(¹)	(¹)	(¹)	
	Hexamethylenediamine adipate (Nylon salt) <i>E.I. DuPont de Nemours & Co., Inc., Polymer Products</i> <i>Monsanto Co.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29212250	Hexamethylenediamine and its salts (except Nylon salt), not derived in whole or in part from adipic acid	(1)	(¹)	(¹)	
	1,6-Hexanediamine (Hexamethylenediamine) <i>Monsanto Co.</i>	(¹)	(1)	(1)	
	N,N,N',N'-Tetrabutylhexanediamine <i>Monsanto Co.</i>	(¹)		(¹)	
	Residual Total	(¹)		(¹)	
292129	Acyclic polyamines, their derivatives and salts thereof, nesi	76,915	62,678	141,287	2.25
29212900	Acyclic polyamines, their derivatives and salts, other than ethylenediamine or hexamethylenediamine and their salts	76,915	62,678	141,287	2.25
	Amines, all other	(¹)	(¹)	(¹)	
	<i>Air Products & Chemicals, Inc.</i> <i>Akzo Chemicals, Inc.</i> <i>Angus Chemical Co.</i> <i>Exxon Chemical Americas</i> <i>Henkel Corp.</i> <i>Monsanto Co.</i> <i>Texaco Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i> <i>Zeeland Chemical, Inc.</i>				
	Bisaminopropyl-methylamine <i>BASF Corp (Parsippany, NJ)</i>	(¹)	(¹)		
	Bis-hexamethylenetriamine amine <i>E.I. DuPont de Nemours & Co., Inc., Petrochemicals Dept.</i> <i>Monsanto Co.</i>		(1)	(1)	
	Di-amine derivatives of dimer acids <i>Witco Corp.</i>	(1)	(1)	(1)	
	Diethylenetriamine <i>Dow Chemical Co.</i> <i>Texaco Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	38,941	26,619	57,721	2.17
	Dimethylaminopropylamine <i>Air Products & Chemicals, Inc.</i> <i>BASF Corp (Parsippany, NJ)</i>	(1)	(¹)	(¹)	
	3-Dimethylaminopropylamine <i>Texaco Chemical Co.</i>	(1)	(1)	(1)	
	Fatty acid/polyamine condensates <i>Company not disclosed</i>	(1)	(1)	(1)	
	N-(9-Octadecenyl)trimethylenediamine <i>Akzo Chemicals, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>	896	706	1,772	2.51
	Pentaethylenhexamine <i>Dow Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Tetraethylenepentamine <i>Dow Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29212900 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Tetramethylethylenediamine <i>Buckman Laboratories, Inc.</i>	(1)	(1)	(1)	
	Triethylenediamine <i>Texaco Chemical Co.</i>	(1)	(1)	(1)	
	Triethylenetetramine <i>Dow Chemical Co.</i> <i>Texaco Chemical Co.</i>	(1)	(1)	(1)	
	Residual Total	37,079	35,353	81,794	\$ 2.31
292130	Cyclanic, cydenic or cydoterpenic mono- or polyamines, and their derivatives; salts thereof	(1)	(1)	(1)	
29213010	Cydanic, cyclonic, cydoterpenic mono- or polyamines, derivatives and salts, from any aromatic compound; in add. U.S. note 3, sec. VI	(1)	(1)	(1)	
	Cyclohexylamine <i>Air Products & Chemicals, Inc.</i>	(1)	(1)	(1)	
	N, N. Diethylcyclohexylamine <i>Air Products & Chemicals, Inc.</i>	(1)			
	Residual Total	(1)		(1)	
29213020	Cydanic, cyclonic or cydoterpenic mono- or polyamines, and their derivatives and salts, derived from any aromatic compounds, nesi	8,027	6,965	16,306	2.34
	fl.(1) CyclohexenylIethylamine <i>Zeeland Chemical, Inc.</i>	(1)	(1)	(1)	
	Cyclohexylamine <i>Air Products & Chemicals, Inc.</i> <i>Hoechst Celanese Corp., Chemical Group, Inc. (xv)</i>	(1)	(1)	(1)	
	Dicyclohexylamine <i>Air Products & Chemicals, Inc.</i> <i>Occidental Chemical corp., ED&S Div.</i>	(1)	(1)	(1)	
	N,N. Dimethylcyclohexylamine <i>BASF Corp (Parsippany, NJ)</i>	(1)	(1)	(1)	
	Ethyl cyclohexylamine <i>Air Products & Chemicals, Inc.</i>	(1)		(1)	
	2. Methylcyclohexylamine <i>Air Products & Chemicals, Inc.</i>	(1)	(1)	(1)	
	Residual Total	8,027	6,965	16,306	2.34
292141	Aniline and its salts	457,867	271,524	152,760	0.56
29214110	Aniline	457,867	271,524	152,760	0.56
	Aniline (Aniline oil) <i>Aristech Chemical Corp</i> <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>First Chemical Corp</i> <i>ICI Americas, Inc., Polyurethanes Group</i> <i>Mallinckrodt Speciality Chemicals Co. (Raleigh)</i> <i>Miles, Inc.</i> <i>Rubicon, Inc. (sec</i> <i>Uniroyal Chemical Co., Inc.</i>				
292142	Aniline derivatives and their salts	(1)	(1)	(1)	
29214210	N,N-Dimethylaniline	(1)	(1)	(1)	
	N,N. Dimethylaniline <i>Buffalo Color Corp.</i> <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)			
	Residual Total	(1)	(1)	(1)	
29214220	o-Aminobenzenesulfonic acid (Orthanilic acid); 6-chlorometanilic acid; and other specified aniline derivatives and their salts, nesi	(1)	(1)	(1)	
	3,4. Dichloroaniline <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29214220 —Continued					
	p-Fluoroaniline <i>First Chemical Corp</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)		
29214230	Aniline derivatives and their salts nesii, described in additional U.S. note 3 to section VI	856	(¹)		
	5-Amino-2-chlorobenzenesulfonic acid <i>Lomac, Inc.</i>	(¹)	(¹)	(¹)	
	Anilinomethanesulfonic acid and salt <i>Miles, Inc.</i>	(¹)	(¹)	(¹)	
	2-Bromo-4,6-dinitroaniline <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(¹)	(¹)	(¹)	
	2,6-Dibromo-4-nitroaniline <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(¹)	(¹)	(¹)	
	2,6-Dichloro-3-methylaniline <i>SpecialtyChem Products Corp.</i>	(¹)		(¹)	
	3-Diethylamino-6-methyl-7-(2,4-dimethylanilino) fluoran <i>East Shore Chemical Co.</i>	(¹)	(¹)	(¹)	
	N-Methyl-p-nitroaniline <i>Cytec Industries</i> <i>Uniroyal Chemical Co., Inc.</i>	(¹)	V)	V)	
	Oxirane methanol carboxylates/methylenebis (benzeneamine) <i>Henkel Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total	856		(¹)	
29214276	HTS Level Residual Total	38,103	12,649	62,990	\$ 4.98
	1-Amino-2-chlorobenzene <i>Lomac, Inc.</i>	(¹)	(¹)	(¹)	
	o-Chloroaniline <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(¹)	(¹)	(¹)	
	3,3'-Dichlorobenzidine base and salts <i>Lomac, Inc.</i>	(¹)	(¹)	(¹)	
	2,6-Diethylaniline <i>Ethyl Corp.</i>	(¹)	(¹)	(¹)	
	N,N-Diethylaniline <i>Buffalo Color Corp.</i> <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(¹)	(¹)	(¹)	
	2,5-Dimethoxyaniline, ethoxylated <i>Milliken & Co., Milliken Chemical Div.</i>	(¹)	(¹)	(¹)	
	N,N-Dimethylbenzylamine <i>Zeeland Chemical, Inc.</i>	(¹)	(¹)	(¹)	
	2,6-Dinitro-N,N-dipropyl cumidine <i>Eli Lilly & Co.</i>	(¹)	(¹)	(¹)	
	o-Ethylaniline <i>Ethyl Corp.</i>	(¹)	(¹)	(¹)	
	N-Ethylaniline, refined <i>Buffalo Color Corp.</i> <i>First Chemical Corp</i>	(¹)	(¹)	(¹)	
	6-Ethyl-2-methylaniline <i>Ethyl Corp.</i>	(¹)	(¹)	(¹)	
	o-Nitroaniline <i>Monsanto Co.</i>	(¹)	(¹)	(¹)	
	p-Nitroaniline <i>Monsanto Co.</i>	(¹)	(¹)	(¹)	
	Residual Total	38,103	12,649	62,990	4.98
292143	Toluidines and their derivatives; salts thereof		(¹)	(¹)	
29214310	3-Chloro-o-toluidine; 4-chloro-o-toluidine and hydrochloride; and other specified toluidines and their derivatives and salts thereof		(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29214310 —Continued					
	N,N-Dimethyl-p-toluidine First Chemical Corp R.S.A. Corp.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29214320	Toluidines and their derivatives nesi; salts thereof, described in additional U.S. note 3 to section VI	27,759		(1)	
	N,N-Dimethyl-m-toluidine First Chemical Corp R.S.A. Corp.	(1)	(1)	(1)	
	N-Ethyl-m-toluidine E.I. Dupont de Nemours & Co., Inc., Chems & Pigments First Chemical Corp	(1)	(1)	(1)	
	m-Toluidine E.I. Dupont de Nemours & Co., Inc., Chems & Pigments First Chemical Corp	(1)	(1)	(1)	
	o-Toluidine E.I. Dupont de Nemours & Co., Inc., Chems & Pigments First Chemical Corp	(1)	(1)	(1)	
	p-Toluidine E.I. Dupont de Nemours & Co., Inc., Chems & Pigments First Chemical Corp	(1)	(1)	(1)	
	a, a, a-Trifluoro-2,6-dinitro-N,N-dipropyl-toluidine (Trifluralin) Eli Lilly & Co.	(1)	(1)	(1)	
	a,a,a-Trifluoro-2, 6-dinitro-N-ethyl-N-(2-methyl-2-propeny1)-p-toluidine (Ethylfluralin) Eli Lilly & Co.	(1)	(1)	(1)	
	Residual Total	27,759		(1)	
29214360	Toluidines, their derivatives and salts, nesi	3,659	3,405	29,113	\$ 8.55
	4-Amino-m-toluenesulfonic acid [SO ₃ H= 1] E.I. Dupont de Nemours & Co., Inc., Chems & Pigments	(1)	(1)	CI	
	6-Amino-m-toluenesulfonic acid [SO ₃ F1=1] E.I. Dupont de Nemours & Co., Inc., Chems & Pigments Phthalchem, Inc.	(1)	(1)	(1)	
	N-Butyl-N-ethyl-a,a,a-trifluoro-2, 6-dinitro-p-toluidine (Benefin) Eli Lilly & Co.	(1)	(1)	(1)	
	2-Chloro-4-aminotoluene Lomac, Inc.	(1)	(1)	(1)	
	3-Chloro-p-toluidine [NH ₂ =11 E.I. Dupont de Nemours & Co., Inc., Chems & Pigments	(1)	(1)	(1)	
	Dibenzylamine Zeeland Chemical, Inc.	(1)	(1)	(1)	
	N, N-Diethyl-m-toluidine E.I. Dupont de Nemours & Co., Inc., Chems & Pigments	(1)	(1)	(1)	
	N,N-Dimethyl-o-toluidine R.S.A. Corp.	(1)	(1)	(1)	
	N,N'-Diphenyl-p-phenylenediamine B F Goodrich Co.	(1)	(1)	(1)	
	m-Toluidine, ethoxylated Milliken & Co., Milliken Chemical Div.	(1)	(1)	(1)	
	Residual Total	3,659	3,405	29,113	8.55
292144	Diphenylamine and its derivatives; salts thereof	57,864	24,711	65,718	2.66
29214410	Nitrodiphenylamine	(1)	(1)	(1)	
	Nitrodiphenylamine Cytex Industries	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29214410 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Monsanto Co.</i>				
	Residual Total	PI	(¹)	VI	
29214420	Diphenylamine and its derivatives (except nitrodiphenylamine); salts thereof, described in additional U.S. note 3 to section VI				
	N-Ethyl-N-phenylbenzylamine	PI	Pt	PI	
	<i>Hilton Davis Company</i>	(¹)	(¹)	CI	
	Nonyldiphenylamine mixture (Mono-, di-, and tri-)	(¹)	(¹)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Octyldiphenylamine, alkylated	(¹)	CI	(¹)	
	B F Goodrich Co.				
	Residual Total	(¹)	(¹)	(¹)	
29214450	Diphenylamine derivatives; salts thereof, nesi	39,458	14,834	37,068	2.50
	Diphenylamine	(¹)	(¹)	(¹)	
	<i>Aristech Chemical Corp</i>				
	<i>Rubicon, Inc. (sec iii)</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Octyldiphenylamine		(¹)	VI	
	B F Goodrich Co.				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	39,458	14,834	37,068	2.50
292144)0(HTS Level Residual Total	18,406	9,877	28,650	2.90
292145	1-Naphthylamine (alpha-Naphthylamine), 2-Naphthylamine (beta-Naphthylamine), and their derivatives; salts thereof				
		(¹)	(¹)	(¹)	
29214530	1-Naphthylamine and 2-naphthylamine derivatives nesi; salts thereof, described in additional U.S. note 3 to section VI				
	N-Phenyl-1-naphthylamine	VI	V	(1)	
	<i>Elf Atochem North America, Inc.</i>	(¹)	CI	(¹)	
	Sertraline	PI	PI	(¹)	
	<i>Pfizer Pharmaceuticals, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	Residual Total	PI	(1)	CI	
29214550	1-Naphthylamine, 2-naphthylamine, their derivatives nesi and their salts, nesi				
	1,5(and 1,8)-Dinitroanthraquinone	(¹)	VI	VI	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(¹)	(¹)	(¹)	
	d(t)a. Phenylethylamine	(¹)	(¹)	(¹)	
	<i>Zeeland Chemical, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
292149	Aromatic monoamines and their derivatives; salts thereof, nesi	2,624	(¹)	(¹)	
29214910	4-Amino-2-stilbenesulfonic acid and its salts, p-ethylaniline; 2,4,6-trimethylaniline (Mesidine); and specified xylidines				
	2,4-Xylidine (m-4-Xylidine)	(^v)			
	<i>First Chemical Corp</i>	CI	(¹)		
	Residual Total	PI	(¹)	CI	
29214920	Amitriptylene hydrochloride				
	Amitriptylene hydrochloride	(¹)	(¹)	PI	
	<i>Ganes Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	<i>Merck & Co., Inc.</i>				
	Residual Total	CI	(^v)	PI	
29214935	Antidepressants, tranquilizers and other psychotherapeutic agents from aromatic monoamines and their derivatives; salts thereof, nesi				
	Amphetamine	(¹)	8	5	2,270
			(¹)	(¹)	463.25

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29214935 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Arenol Chemical Corp.</i>				
	Benzphetamine	(1)	(¹)	(¹)	
	<i>Upjohn Co. vi xiv xv)</i>				
	Dextroamphetamine sulfate	(1)	(¹)	(¹)	
	<i>Arenol Chemical Corp.</i>				
	<i>Lonza, Inc.</i>				
	Maprotiline hydrochloride	(1)	(¹)	(¹)	
	<i>Abbott Laboratories</i>				
	Methamphetamine	(1)	(¹)	(¹)	
	<i>Arenol Chemical Corp.</i>				
	Methamphetamine hydrochloride	(1)	(1)		
	<i>Arenol Chemical Corp.</i>				
	Nortriptyline hydrochloride	(1)	(¹)	(¹)	
	<i>Eli Lilly & Co.</i>				
	<i>Wyckoff Chemical Co., Inc.</i>				
	Trancylpramine sulfate	(1)		(¹)	
	<i>Lonza, Inc.</i>				
	Residual Total	8	5	2,270	\$463.25
29214940	Drugs nesi of aromatic monoamines and their derivatives; salts thereof	48			
	Deprenyl hydrochloride	(1)	(¹)	(¹)	
	<i>Arenol Chemical Corp.</i>				
	<i>Wyckoff Chemical Co., Inc.</i>				
	Nadolol	(1)	(¹)	(¹)	
	<i>Bristol Myers Squibb Co.</i>				
	Orphenadrine citrate	(1)	(¹)	(¹)	
	<i>Wyckoff Chemical Co., Inc.</i>				
	Phentermine	(1)	(¹)	(¹)	
	<i>Ganes Chemicals, Inc.</i>				
	<i>Sterling Drug, Inc., Sterling Organics Div.</i>				
	Residual Total	48		(¹)	
29214945	Aromatic monoamines and their derivatives nesi; salts thereof, described in additional U.S. note 3 to section VI	1,724	1,517	5,628	3.71
	Benzylamine	(1)	(¹)	(¹)	
	<i>Kalama Chemical, Inc.</i>				
	<i>Zeeland Chemical, Inc.</i>				
	Diisopropyl/naphthalene sulf. acid amine salts	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	3-(N-Methyl-N-cyclohexylamino)-6-methyl-7-anilino fluoran	(1)	(¹)	(¹)	
	<i>Great Lakes Chemical Corp.</i>				
	Methyl-N-(L-caroyd(hydrobenzyl)-b-amino crotonate, sodium salt	(1)	(¹)	(¹)	
	<i>Bristol Myers Squibb Co.</i>				
	Xylidine, original mixture	(1)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Residual Total	1,724	1,517	5,628	3.71
29214950	Aromatic monoamines and their derivatives and salts thereof, nesi		0	0	
	Dibenzylamine	(1)	(¹)	(¹)	
	<i>Kalama Chemical, Inc.</i>				
	2-Ethylhexyl-1-p-dimethylaminobenzoate	(1)	(¹)	(¹)	
	<i>ISP Van Dyk, Inc.</i>				
	N-Methylbenzylamine	(1)	(¹)	(¹)	
	<i>Zeeland Chemical, Inc.</i>				
	2-Phenethylamine	(1)	(¹)	(¹)	
	<i>Zeeland Chemical, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29214950 — Continued					
	Trinitrophenyl methyl nitramine (Nitramine) <i>Parish Chemical Co.</i>	(1)	(¹)	(¹)	
	Residual Total	(1)	(1)	(¹)	
292149XX	HTS Level Residual Total	845	750	10,056	\$ 13.41
292151	o-,m-,p-Phenylenediamine, diaminotoluenes, and their derivatives; salts thereof	(1)	(1)	(1)	
29215110	4-Amino-2-(N,N-Diethylamino)-toluene hydrochloride; m- and o-phenylenediamine; toluene -2,4 and -2,5-diamine; and toluene-2,5-diamine sulfate	142,778	(1)	(1)	
	m-Phenylenediamine <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments First Chemical Corp</i>	(1)	(1)	(1)	
	o-Phenylenediamine <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(¹)	
	p-Phenylenediamine <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(¹)	(¹)	(¹)	
	Toluene-2,4-diamine (4-m-Tolylenediamine) <i>Company not disclosed Rubicon, Inc. (sec NI</i>	(¹)		(¹)	
	Residual Total	142,778	(1)	(1)	
29215120	Photographic chemicals of o-, m-, p-phenylenediamine, diaminotoluenes, and their derivatives, and salts thereof	(¹)	(¹)		
	p-Diethylaminobenzenediazonium chloride (p-Diazo-N,N-diethylaniline zinc chloride) <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	p-Dimethylaminobenzenediazonium chloride (p-Diazo-N,N-dimethylaniline zinc chloride) <i>Alliance Chemical, Inc.</i>	(1)	(¹)	(¹)	
	p-Diphenylaminediazonium sulfate <i>Alliance Chemical, Inc.</i>	(1)	(¹)	(¹)	
	4-N-(1-Pyrrolidyl)-m-toluenediazonium chloride <i>Alliance Chemical, Inc.</i>	(1)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29215130	o-, m-, p-Phenylenediamine, diaminotoluenes, and their derivatives, and salts thereof, described in additional U.S. note 3 to section VI	7,038	5,740	7,263	1.27
	N-Cyclohexyl-N'-phenyl-p-phenylenediamine <i>Uniroyal Chemical Co., Inc.</i>		(¹)	(1)	
	4,4'-Diamino-2,2'-biphenyldisulfonic acid <i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>		(1)	(1)	
	p-Phenylenediamines, substituted, other <i>Uniroyal Chemical Co., Inc.</i>	(¹)	(1)	(¹)	
	Toluene-2,3-(and 3,4)-diamine (35/65 Mixture) <i>Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)</i>	(¹)	(¹)	(¹)	
	Toluene-3,4-diamine <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Residual Total	7,038	5,740	7,263	1.27
29215150	o-, m-, p-Phenylenediamine, and diaminotoluenes, and their derivatives, and salts thereof, nesi	46,261	18,405	96,615	5.25
	2-(Benzylamino)ethanol <i>Zeeland Chemical, Inc.</i>	(¹)	(¹)	(1)	
	N,N'-Bis(1,4-dimethylpenty-1)-p-phenylenediamine <i>Monsanto Co. UOP, Inc.</i>		(¹)	(¹)	
	N,N'-Bis(1-ethyl-3-methylpenty-1)-p-phenylenediamine	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29215160 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>UOP, Inc.</i>				
	N,N'-Bis(1-methylheptyl)-p-phenylenediamine	(1)	(1)	(1)	
	<i>UOP, Inc.</i>				
	3,5-Diethyltoluene-2,4-diamine	(¹)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	N,N'-Diisopropyl-p-phenylenediamine	(1)	(1)	(1)	
	<i>EL Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Ethyl Corp.</i>				
	N-(1,3-Dimethylbutyl)-N-phenyl-1,4-benzenediamine	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine	(1)	(¹)	(¹)	
	<i>UOP, Inc.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	N,N'-Di-2-naphthyl-p-phenylenediamine	(1)	(1)	(1)	
	<i>B F Goodrich Co.</i>				
	N ³ ,N ³ -Di-N-propyl-2,4-dinitro-6-(trifluoromethyl)-N-phenylenediamine	(1)	(1)	(¹)	
	<i>Sandoz Crop Protection (zefird)</i>				
	Hydrabamine hydrobromide	(1)	(1)	(1)	
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	N-(2-Hydroxyethyl)-1,2-diphenylethylenediamine	(¹)	(¹)	(¹)	
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	N-Isopropyl-N'-phenyl-p-phenylenediamine	(¹)	(1)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	N-(1-Methylheptyl)-N'-phenyl-p-phenylenediamine	(1)	(1)	(¹)	
	<i>UOP, Inc.</i>				
	N-(1-Methylpentyl)-W-phenyl-p-phenylenediamine	(1)	(1)	(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	N-Phenyl-p-phenylenediamine	(1)	(9)	(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	46,261	18,405	96,615	\$ 5.25
292159	Aromatic polyamines and their derivatives; salts thereof, nesi	(¹)	941	5,625	5.98
29215930	4,4'-Methylenedianiline	(¹)	PI	(¹)	
	4,4'-Methylenedianiline	(¹)	(1)	(¹)	
	<i>Rubicon, Inc. (sec iii)</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29215940	Aromatic polyamines and their derivatives and salts thereof, described in additional U.S. note 3 to section VI	(1)	(1)	(1)	
	Naphthenic acid/polyamine condensates	(¹)	(¹)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	PI	(¹)	(¹)	
29215950	Aromatic polyamines and their derivatives; and salts thereof, nesi	(¹)	PI	(1)	
	3,3'-Diaminodiphenyl sulfone	(1)	(1)	(1)	
	<i>Crown Metro, Inc.</i>				
	4,4'-Di-sec-butylaminodiphenylmethane	(1)	(1)	(1)	
	<i>UOP, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
292159XX	HTS Level Residual Total	(¹)	941	5,625	5.98
2921XX	HTS Level Residual Total	903,256	126,699	120,524	0.95
2922	Oxygen-function amino-compounds	525,244	478,393	769,550	1.61
292211	Monoethanolamine and its salts	(¹)	71,233	62,016	0.87

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29221100 Monoethanolamine and its salts		(1)	71,233	62,016	\$ 0.87
	2-Aminoethanol hydrochloride <i>Company not disclosed</i>			(1)	
	2-Aminoethanol (Monoethanol amine) sulfite <i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>		(1)	(1)	
	Dodecylbenzenesulfonic acid, monoethanolamine salt <i>Essential Industries, Inc.</i> <i>Finetex, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Piedmont Chemical Industries, Inc.</i>	74	(1)	(1)	
	Monoethanolamine <i>Dow Chemical Co.</i> <i>Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)</i> <i>Oxy Petrochemicals, Inc.</i> <i>Texaco Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	70,940	61,412	0.87
	Sulfosuccinic acid, lauramidomonoethanolamine, disodium salt <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Sulfosuccinic acid, ricinoleamide monoethanolamine, disodium salt <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	294	604	2.06
292211XX HTS Level Residual Total		(1)			
292212 Diethanolamine and its salts		(1)	74,909	55,680	0.74
29221200 Diethanolamine and its salts		(1)	74,909	55,680	0.74
	Boric acid, diethanolamine salt <i>Hoechst Celanese Corp., Sou Tex Works</i>		(1)	(1)	
	Diethanolamine <i>Dow Chemical Co.</i> <i>Olin Corp. viii, ix, xii, xiv, xv)</i> <i>Oxy Petrochemicals, Inc.</i> <i>Texaco Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	74,743	55,166	0.74
	Diethanolamine salt of oleic acid <i>Quaker Chemical Corp.</i>		(1)	(1)	
	Dodecylbenzenesulfonic acid, diethanolamine salt <i>Rhone Poulenc, Inc.</i> <i>Virkler Co.</i>		(1)	(1)	
	Dodecyl sulfate, diethanolamine salt <i>Lonza, Inc.</i> <i>Stepan Co.</i>	(1)	(1)	(1)	
	Oleic acid, diethanolamine salt <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Tall oil, diethanolamine salt <i>Quaker Chemical Corp.</i>		(1)	(1)	
	Residual Total	(1)	166	513	3.10
292212XX FITS Level Residual Total		(1)			
292213 Triethanolamine and its salts		(1)	86,310	92,506	1.07
29221300 Triethanolamine and its salts		(1)	86,310	92,506	1.07
	Dodecylbenzenesulfonic acid, triethanolamine salt <i>Burlington Industries</i> <i>C.N.C. International, Inc.</i> <i>Essential Industries, Inc.</i> <i>Grant Industries, Inc.</i> <i>Hart Products Corp.</i> <i>Lonza, Inc.</i> <i>Piedmont Chemical Industries, Inc.</i> <i>Pilot Chemical Co.</i>	1,333	1,135	2,016	1.78

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29221300 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Rhone Poulenc, Inc.</i>				
	<i>Ruetgers Neese Chemical Co.</i>				
	<i>Stepan Co.</i>				
	<i>Witco Corp.</i>				
	Dodecyl sulfate, triethanolamine salt	2,576	1,880	5,974	\$ 3.18
	<i>Gillette Chemical Co.</i>				
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Stepan Co.</i>				
	Isostearic acid, triethanolamine salt	(1)	(1)	(1)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	Oleic acid, triethanolamine salt	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Quaker Chemical Corp.</i>				
	Stearic acid, triethanolamine salt	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Piedmont Chemical Industries, Inc.</i>				
	<i>Sbs Products, Inc.</i>				
	Triethanolamine	(1)	81,380	79,092	0.97
	<i>Dow Chemical Co.</i>				
	<i>Olin Corp.</i> viii, ix, xii, xiv, xv)				
	<i>Oxy Petrochemicals, Inc.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Triethanolamine, ethoxylated	(¹)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>R.S.A. Corp.</i>				
	Triethanolamine phosphate ester	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Triethanolamine, sulfuric & phosphoric acid salts	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Triethanolamine titanate	(¹)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	Residual Total	(1)	1,915	5,424	2.83
292219	Amino-alcohols, their ethers and esters, other than those containing more than one kind of oxygen function; salts thereof, nesi	(¹)	67,593	226,829	3.36
29221910	Diphenhydramine; and tamoxifen citrate			(¹)	
	Diphenhydramine citrate	(¹)	(¹)	(¹)	
	<i>Wyckoff Chemical Co., Inc.</i>				
	Diphenhydramine hydrochloride	(¹)	(¹)	(¹)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	<i>Wyckoff Chemical Co., Inc.</i>				
	Residual Total	(¹)	(1)	(1)	
29221912	Propoxyphene hydrochloride		(¹)	(¹)	
	Propoxyphene hydrochloride			(¹)	
	<i>Eli Lilly & Co., Eli Lilly Industries, Inc., San Juan Ganes Chemicals, Inc.</i>				
	Propoxyphene napsylate	107		(1)	
	<i>Abbott Laboratories</i>				
	<i>Eli Lilly & Co., Eli Lilly Industries, Inc., San Juan Ganes Chemicals, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29221915	Aromatic drugs nesi of amino-alcohols, their ethers and esters, except those cont. more than one kind of oxygen function; salts thereof		(¹)		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29221915 —Continued					
	Pentamidine <i>Johnson Matthey, Materials Technology Div.</i>	(1)	(1)	(1)	
	Pentamidine isethionate <i>Johnson Matthey, Materials Technology Div.</i>		(1)		
	Propranolol hydrochloride <i>Wyckoff Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
	29221930 Aromatic amino-alcohols, their ethers and esters, except those cont. more than one oxygen function; salts, in add. U.S. 3 to note sec. VI	2,177	(1)	(1)	
	Dodecylbenzenesulfonic acid, isopropanolamine salt <i>Pilot Chemical Co.</i>	(1)	(1)	(1)	
	2-fEthyl(3-methylphenyl)aminoethanol <i>First Chemical Corp</i>	(1)	(1)	(1)	
	d,1-2-(6'-hiethoxy-2'-naphthyl)propionic acid, N-n-octylglucamine salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	Residual Total	2,177			
	29221940 Aromatic amino-alcohols, their ethers and esters, except those containing more than one oxygen function; salts thereof, nesi	1,982	385	2,554	6.63
	p-Anilinophenol <i>B F Goodrich Co.</i>	(1)	(1)	(1)	
	a-(N-Ethylanilino)-m-toluenesulfonic acid <i>Hilton Davis Company</i>	(1)	(1)	(1)	
	4,4'-Oxydianiline <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	a,a',a''-Tris(dimethylamino)mesitol <i>Rohm & Haas Co.</i>	(1)	(1)	(1)	
	Residual Total	1,982	385	2,554	6.63
	29221960 Nonaromatic alcohols, their ethers and esters, except those cont. more than one kind of oxygen function; salts thereof, nesi	95,874	64,886	173,628	2.68
	2-Amino-1-butanol <i>W R Grace & Co., Organic Chemicals Div., Nitroparaffins</i>	(1)	(1)	(1)	
	Aminoethoxyethanol <i>Texaco Chemical Co. Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	2-(2-Aminoethylamino)ethanol (Aminoethylethanolamine) <i>Dow Chemical Co.</i>	(1)	(1)	(1)	
	(2-Aminoethylpamino ⁻ ethanol, reaction product with octadecanoic acid <i>Burlington Industries</i>	(1)	(1)	(1)	
	2-Amino-2-ethyl-1,3-propanediol <i>Angus Chemical Co.</i>	(1)	(1)	(1)	
	2-Amino-2-(hydroxymethyl)-1,3-propanediol [iris (hydroxymethyl)ami nomethanel <i>Angus Chemical Co. W R Grace & Co., Organic Chemicals Div., Nitroparaffins</i>	(1)	(1)	(1)	
	2-Amino-2-methyl-1,3-propanediol <i>Angus Chemical Co.</i>	(1)	(1)	(1)	
	2-Amino-2-methyl-1-propanol <i>Angus Chemical Co. W R Grace & Co., Organic Chemicals Div., Nitroparaffins</i>	(1)	(1)	(1)	
	2-Amino-2-methyl-1-propanol hydrochloride <i>C. N. C. International, Inc.</i>	(1)	(1)	(1)	
	3-Amino-1-propanol	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29221950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	BASF Corp (Parsippany, NJ)				
	tert-Butylaminoethyl methacrylate CPS Chemical Co., Inc. Rhone Poulenc, Inc.	(1)	(1)	(1)	
	Butyl diethanolamine Elf A tochem North America, Inc.	(1)	(1)	(1)	
	tert-Butyldiethanolamine Elf Atochem North America, Inc.	(1)	(1)	(1)	
	2-Dibutylaminoethanol Elf Atochem North America, Inc.	(1)	(1)	(1)	
	Dibutylaminomethanol, condensed with formaldehyde Company not disclosed		(1)	(1)	
	2-Diethylaminoethanol (N,N-Diethylethanolamine) Elf Atochem North America, Inc. Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	2-(2-Diethylaminoethoxy)ethanol Elf Atochem North America, Inc.	(1)	(1)	(1)	
	2-Diethylaminoethyl methacrylate CPS Chemical Co., Inc. E.I. Dupont de Nemours & Co., Inc., Chems & Pigments	(1)	(1)	(1)	
	2-Diisopropylaminoethanol (N,N-Diisopropylethanolamine) Elf Atochem North America, Inc. Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	2-Dimethylaminoethanol (N,N-Dimethylethanolamine) Elf Atochem North America, Inc. Texaco Chemical Co. Union Carbide Corp., Industrial Chemicals Div.	19,707	(1)		
	Dimethylaminoethyl acrylate CPS Chemical Co., Inc.	(1)	(1)	(1)	
	Dimethylaminoethyl methacrylate CPS Chemical Co., Inc. Rhone Poulenc, Inc.	(1)	(1)	(1)	
	Dimethylaminomethanol Company not disclosed	(1)	(1)	(1)	
	24(Hydroxymethyl)amino-2-methylpropanol Troy Chemical Corp.	(1)	(1)	(1)	
	Isodecyloxypropylamine Exxon Chemical Americas	(1)	(1)	(1)	
	Isodecyloxypropylamine acetate Exxon Chemical Americas	(1)	(1)	(1)	
	Isodecyloxypropylaminopropylamine Exxon Chemical Americas	(1)	(1)	(1)	
	3-13-Isodecyloxypropylaminopropyl amine Sherex Chemical Co., Inc.	(1)	(1)	(1)	
	2-Isopropylaminoethanol Elf Atochem North America, Inc. Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	3-Methoxypropylamine BASF Corp (Parsippany, NJ) Elf Atochem North America, Inc. Exxon Chemical Americas Texaco Chemical Co.	3,959	3,300	7,059	\$ 2.14
	2-Methylaminoethanol (N-Methylethanolamine) Union Carbide Corp., Industrial Chemicals Div.	(1)	(1)	(1)	
	N-11-Methylheptyl ethanolamine UOP, Inc.	(1)	(1)	(1)	
	2,2'-(Methylimino)diethanol (Methyldiethanolamine)	10,135		(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29221950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Dow Chemical Co.				
	Elf Atochem North America, Inc.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	N-Methyl-methanamine with borane (1:1)	(¹)	(¹)	(¹)	
	Company not disclosed				
	2-Methyl-2-propanamine with borane(1:1)	1	(¹)		
	Company not disclosed				
	Mixed higher glycol amine (MHGA)	(¹)		01	
	Air Products & Chemicals, Inc.				
	Dixie Chemical Co., Inc.				
	Monoisopropanolamine	(¹)	(¹)	(¹)	
	Dow Chemical Co.				
	Octyl/decyloxypropylamine		(¹)	(¹)	
	Exxon Chemical Americas				
	N-n-Octyl glucamine	(¹)		(¹)	
	Company not disclosed				
	Pentyl aminoethanol	(¹)	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	n-Propylaminoethanol	0)	0)	(¹)	
	Elf Atochem North America, Inc.				
	Residual Total	62,073	54,391	166,570	\$ 3.06
292219XX HTS Level Residual Total		(¹)	128	50,646	395.99
292221 Aminohydroxynaphthalene sulfonic acids and their salts				(¹)	
29222150 Aminohydroxynaphthalene sulfonic acids and their salts, nesi		(¹)	(¹)	IsI	
	5-Amino-6-methoxy-2-naphthalenesulfonic acid	(¹)	(¹)	(¹)	
	Hercules, Inc.				
	Residual Total		(¹)	(¹)	
292222 Anisidines, dianisidines, phenetidines, and their salts		3,858	(¹)	(¹)	
29222210 o-Anisidine; p-anisidine; and p-phenetidine		(¹)	(¹)	(¹)	
	p-Phenetidine	(¹)	(¹)	(¹)	
	Monsanto Co., Agricultural Group				
	Residual Total	(¹)	1'	(¹)	
	5-Methyl-o-anisidine [NH ₂ =1]	CI		(¹)	
	PMC Inc., PMC Specialities Group, Inc.				
	Residual Total	(¹)	(¹)	CI	
29222250 Other anisidines, dianisidines, phenetidines, and their salts, nesi		(¹)	(¹)	(¹)	
	4-Amino-5-methoxy-2-methylbenzenesulfonic acid				
	(5-methyl-o-anisidinesulfonic acid)	(¹)	(¹)	(¹)	
	Company not disclosed				
	Miles, Inc.				
	Residual Total	(¹)	(¹)	(¹)	
292222XX HTS Level Residual Total		3,858	(¹)	(¹)	
292229 Amino-naphthols & other amino-phenols, their ethers & esters, other than those cont. more than one kind of oxygen function; salts, nesi		(¹)	(¹)	(¹)	
29222927 Drugs of amino-naphthols and -phenols, their ethers and esters, except those cont. more than one oxygen function; salts thereof, nesi		(¹)	(¹)	(¹)	
	Dobutamine	(¹)	(¹)	(¹)	
	Abbott Laboratories				
	Eli Lilly & Co.				
	Residual Total	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29222935	Amino-naphthols and -phenols, their ethers/esters, except those cont. more than one oxygen funct.; salts, nesi, in add. U.S. note 3, sec. VI				
	Aniline, ethoxylated	(1)	(1)	(1)	
	<i>Milliken & Co., Milliken Chemical Div.</i>	(1)	(1)	(1)	
	4-Ethoxy-2-methyl-N-phenylaniline	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)		
29222950	Amino-naphthols and amino-phenol, their ethers, esters, except those with more than one kind of oxygen function; and salts thereof, nesi				
	p-Aminophenol	(1)	(1)	(1)	
	<i>Mallinckrodt Speciality Chemicals Co. (Raleigh)</i>	(1)	(1)	(1)	
	2,6-Di-tert-butyl-alpha-dimethylamino-p-cresol	(1)	(1)	(1)	
	<i>Ethyl Corp.</i>				
	4-Hydroxymetanilic acid	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	p-(2-Naphthylamino)phenol (N-(p-Hydroxyphenyl)-2-naphthylamine)	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	N-Stearoyl-p-aminophenol	(1)	(1)	(1)	
	<i>Zeeland Chemical, Inc.</i>				
	Tri(dimethylaminomethyl)phenol	(1)	(1)	(1)	
	<i>Pelron Corp.</i>				
	Residual Total	(1)	(1)	(1)	
2922230	Amino-aldehydes, amino-ketones and amino-quinones, other than those containing more than one kind of oxygen function; salts thereof				
		(1)	(1)	(1)	
29223010	2'-Aminocetophenone and other specified aromatic amino-aldehydes, -ketones and -quinones, except those with more than one oxygen function				
	p-(Dimethylamino)benzaldehyde	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
29223020	Aromatic amino-aldehydes, -ketones and -quinones, except those with more than one oxygen function; salts, in add. U.S. note 3, sec. VI				
	Bupropion hydrochloride	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
	p-(Diethylamino)benzaldehyde	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	Fluoxetine	(1)	(1)	(1)	
	<i>Eli Lilly & Co., Eli Lilly Industries, Inc., San Juan</i>				
	Residual Total	(1)	(1)	(1)	
	2-Amino-1-bromo-3-chloroanthraquinone	(1)	(1)	(1)	
	<i>Phillips 66 Co.</i>				
	4,4'-Bis(dimethylamino)benzophenone (Michler's ketone)	(1)	(1)	(1)	
	<i>Cytec Industries</i>				
	Diethylpropion hydrochloride	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Ketamine hydrochloride	(1)	(1)	(1)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
292242	Glutamic acid and its salts	(1)	(1)	(1)	
29224250	Glutamic acid and its salts, other than monosodium glutamate				
	Glutamic acid hydrochloride	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29224250 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Napp Chemicals, Inc.				
	Potassium glutamate	(1)		(1)	
	Napp Chemicals, Inc.				
	Residual Total	(1)	(1)		
292249	Amino-aldehydes, amino-ketones and amino-quinones, other than those containing more than one kind of oxygen function; salts thereof, nesi	128,950		(1)	
29224910	m-Aminobenzoic acid, technical and other specified aromatic amino-acids and their esters, except those with more than one oxygen function		875	7,160	\$ 8.18
	p-Aminobenzoic acid, tech.	(1)	(1)	(1)	
	National Starch & Chemical Co.				
	Wyckoff Chemical Co., Inc.				
	Diatrizoate, sodium		(1)	(1)	
	Sterling Drug, Inc., Sterling Organics Div.				
	Methyl anthranilate	(1)	(1)	(1)	
	PMC Inc., PMC Specialities Group, Inc.				
	Phenyl alanine	(1)	(1)	(1)	
	Nutrasweet Co.				
	Residual Total	(1)	875	7,160	8.18
29224925	HTS Level Residual Total	227	(1)	(1)	
	Aminobenzoic acid, potassium salt	(1)	(1)	(1)	
	Wyckoff Chemical Co., Inc.				
	Benzocaine	(1)	(1)	(1)	
	Wyckoff Chemical Co., Inc.				
	Benzoatate	(1)	(1)	(1)	
	Ciba Geigy Corp.				
	Wyckoff Chemical Co., Inc.				
	Caramiphen edisylate	(1)	(1)	(1)	
	Lonza, Inc.				
	lothalamate, meglumine	(1)	(1)	(1)	
	Mallinckrodt Speciality Chemicals Co.				
	Levodopa	(1)	(1)	(1)	
	G.D. Searle & Co.				
	Meclofenamate, sodium	(1)	(1)	(1)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Wyckoff Chemical Co., Inc.				
	Meclofenamic acid	(1)	(1)	(1)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Wyckoff Chemical Co., Inc.				
	Mefenamic acid	(1)	(1)	(1)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Oxybutynin chloride	(1)	(1)	(1)	
	Abbott Laboratories				
	Probenecid	(1)	(1)	(1)	
	Merck & Co., Inc.				
	Tetracaine hydrochloride	(1)	(1)	(1)	
	Wyckoff Chemical Co., Inc.				
	Residual Total	227	(1)	(1)	
29224930	Aromatic amino-acids and their esters, exc. those with more than one oxygen function; salts, described in add. U.S. note 3, sec. VI	2,369	2,215	8,775	3.96
	6-Amino-5-chloro-m-toluenesulfonic acid [SO ₃ H = 1] (2B Acid)	(1)			
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Phthalchem, Inc.				
	N-(Chloroacetyl)-N-(2,6-diethylphenyl)glycine, ethyl ester	(1)	(1)		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29224930 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>R M Industries, Inc.</i>				
	Ethyl anthranilate	(1)	(1)		
	<i>American Bio Synthetics Corp.</i>				
	Ethyl 4-dimethylaminobenzoate	(1)	(1)	(1)	
	<i>First Chemical Corp</i>				
	Hydroxycitronellal methyl anthranilate	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Linalyl anthranilate	(1)	(1)	(1)	
	<i>Fragrance Resources, Inc.</i>				
	Methyl N-methylantranilate	(1)	(1)	(1)	
	<i>American Bio Synthetics Corp.</i>				
	Sulfanilic acid (p-Aminobenzenesulfonic acid) and salt	(1)	(1)	(1)	
	<i>R M Industries, Inc.</i>				
	Residual Total	2,369	2,215	8,775	S 3.96
29224935	Aromatic amino-acids and their esters, except those containing more than one oxygen function; salts thereof, nesi	21,064	9,082	62,697	6.90
	Amino acids and salts, acyclic, all other	(1)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	Amino acids and salts, cyclic, all other	(1)	(1)	(1)	
	<i>Ajinomoto USA, Inc.</i>				
	o-Anisidinomethanesulfonic acid	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	Anthranilic acid (o-Aminobenzoic acid)	(1)	(1)	(1)	
	<i>PMC Inc., PMC Specialities Group, Inc.</i>				
	N,N'-(1,5-Anthraquinonylene)dianthranilic acid	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	4-Chloro-2-methylphenoxyacetic acid, dimethylamine salt	(1)	(1)	(1)	
	<i>Riverdale Chemical Co.</i>				
	2,5-Dianilinoterephthalic acid	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	2,4-Dichlorophenoxyacetic acid,dimethylamine salt	(1)	7,509	26,569	3.54
	<i>Dow Chemical Co.</i>				
	PBI Gordon Corp.				
	<i>Riverdale Chemical Co.</i>				
	2,4-Dichlorophenoxyacetic acid,ethanolamine and isopropanolamine salts	(1)		(1)	
	<i>Dow Chemical Co.</i>				
	2-(2,4-Dichlorophenoxy)propionic acid, dimethylamine salt	(1)	(1)	(1)	
	<i>Riverdale Chemical Co.</i>				
	2,5-Di-p-toluidinoterephthalic acid	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	N-Phenylglycine	(1)	(1)	(1)	
	<i>Eastman Kodak Co.</i>				
	Phenylglycine, sodium salt	(1)	(1)	(1)	
	<i>Buffalo Color Corp.</i>				
	<i>Eli Lilly & Co.</i>				
	Residual Total	21,064	1,573	36,127	22.96
29224940	Nonaromatic amino-acids, other than those containing more than one kind of oxygen function, nesi		40,652	101,960	2.51
	Aspartic acid	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	<i>Nutrasweet Co.</i>				

See endnotes at and of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29224940 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Pfizer, Inc.</i>				
	N,N-Bis(2,2-acetamido)glycine	(1)	(¹)	(¹)	
	<i>Pierce Chemical Co.</i>				
	(Ethylenedinitrilo)tetraacetic acid				
	(Ethylenediaminetetraacetic acid) (EDTA)	6,569		(¹)	
	<i>Ciba Geigy Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	Glycine (Aminoacetic acid), non-medical	(¹)	(1)	(1)	
	<i>Chattem, Inc.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	Nitrilotriacetic acid	(1)	(¹)	(1)	
	<i>Monsanto Co.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	Residual Total	(¹)	38,099	101,960	S 2.68
29224950	Nonaromatic esters of amino-acids, other than those containing more than one kind of oxygen function nesi; salts thereof	63,651	88,645	73,030	0.82
	N-Coco-N,N-dimethylamines	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Copper glycinate		(1)	(1)	
	<i>Arenol Chemical Corp.</i>				
	(Ethylenedinitrilo)tetraacetic acid, calcium disodium salt	(¹)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Hickson Danchem Corporation</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	(Ethylenedinitrilo)tetraacetic acid, diammonium salt	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	(Ethylenedinitrilo)tetraacetic acid, disodium copper salt, dihydrate	(¹)	(¹)	(¹)	
	<i>Dow Chemical Co.</i>				
	<i>Hickson Danchem Corporation</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	(Ethylenedinitrilo)tetraacetic acid, disodium salt	1,847	1,445	3,916	2.71
	<i>Ciba Geigy Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	(Ethylenedinitrilo)tetraacetic acid, disodium zinc salt, dihydrate	(1)	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	(Ethylenedinitrilo)tetraacetic acid, magnesium salt		(1)	(1)	
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	(Ethylenedinitrilo)tetraacetic acid, manganese salt	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	(Ethylenedinitrilo)tetraacetic acid, monosodium iron salt		(1)	(1)	
	<i>Ciba Geigy Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29224950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	(Ethylenedinitrilol)tetraacetic acid, tetraammonium salt	(¹)		01	
	<i>Dow Chemical Co.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	(Ethylenedinitrilo)tetraacetic acid, tetrapotassium salt	(¹)		(¹)	
	<i>Company not disclosed</i>				
	(Ethylenedinitrilo)tetraacetic acid, tetrasodium salt	43,027	64,576	41,874	0.65
	<i>Ciba Geigy Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Mayo Chemical Co., Inc.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	(Ethylenedinitrilo)tetraacetic acid, trisodium salt	(¹)	∞	(¹)	
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	Fatty amines	(¹)	∞	(¹)	
	<i>Exxon Chemical Americas</i>				
	<i>Union Camp Corp., Chemical Div.</i>				
	Hydrocarbon amine, sulfonate acid	(¹)	01		
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	N-Lauroylsarcosine, sodium salt	(¹)	(¹)	∞	
	<i>Rhone Poulenc, Inc.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	Laurylamidopropyl betaine	(¹)	∞	(¹)	
	<i>Mona Industries, Inc.</i>				
	Laurylamphoglycinate	(¹)	∞	(¹)	
	<i>Mona Industries, Inc.</i>				
	Nitriloacetic acid, zinc salt	(¹)	(¹)	∞	
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	Protein hydrolysates	(¹)		∞	
	<i>Bristol Myers Squibb Co.</i>				
	Sarcosine	(¹)	(¹)	(¹)	
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	Residual Total	18,777	22,624	25,020	1.11
292249XX HTS Level Residual Total		41,640	(¹)	V)	
292250 Amino-alcohol-phenols, amino-acid-phenols and other amino-compounds with oxygen function		21,778	35,480	63,555	1.79
29225013 Isoetharine hydrochloride and other specified aromatic drugs of amino compounds with oxygen function		(¹)	∞	(¹)	
	albuterol sulfate	(¹)	∞	∞	
	<i>Schering Corp.</i>				
	Phenylephrine hydrochloride	(¹)	∞	∞	
	<i>Ganes Chemicals, Inc.</i>				
	<i>Sterling Drug, Inc., Sterling Organics Div.</i>				
	Terbutaline sulfate	(¹)	∞	I	
	<i>Ciba Geigy Corp.</i>				
	Residual Total	(¹)	∞	(¹)	
	Methyldopa	(¹)	∞		
	<i>Merck & Co., Inc.</i>				
	Phenoxybenzamine	(¹)		(¹)	
	<i>Lonza, Inc.</i>				
	Prilocaine hydrochloride		I)	(¹)	
	<i>Wyckoff Chemical Co., Inc.</i>				
	Succinylcholine chloride	(¹)	∞		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29225016 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Abbott Laboratories</i>				
	<i>Burroughs Wellcome Co.</i>				
	Residual Total	(1)	(1)	(1)	
29225025	Aromatic drugs of amino-compounds with oxygen function, nesi	(1)	(1)	(1)	
	Methadone hydrochloride	(1)	(1)	(1)	
	<i>Mallinckrodt Speciality Chemicals Co.</i>				
	Metoclopramide hydrochloride	(1)	(1)	(1)	
	B.I. Chemicals, Inc.				
	Phenylephrine bitartrate	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Phenylpropanolamine bitartrate	(1)	(1)	(1)	
	<i>Arsynco, Inc., Sub. of Aceto Corp</i>				
	Phenylpropanolamine hydrochloride	(1)	(1)	(1)	
	<i>Arsynco, Inc., Sub. of Aceto Corp</i>				
	Phenyltoloxamine citrate	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29225030	Aromatic amino-alcohol-phenols, amino-acid-phenols and other amino-compounds with oxygen function, described in add. U.S. note 3, sec. VI	(1)	(1)	(1)	
	m.-(Dimethylamino)benzoic acid	(1)	(1)	(1)	
	<i>Hilton Davis Company</i>				
	N,N-Dimethylphenyl urea	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	N-Nitrosophenylhydroxylamine, ethanolamine salt	(1)	(1)	(1)	
	<i>Mallinckrodt Speciality Chemicals Co.</i>				
	Residual Total	(1)	(1)	(1)	
29225040	Aromatic amino-alcohol-phenols, amino-acid-phenols and other amino-compounds with oxygen function, nesi	(1)	(1)	(1)	
	2-[4-Diethylamino-2-hydroxybenzyl]benzoic acid	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
29225050	Nonaromatic amino-alcohol-phenols, amino-acid-phenols and other amino-compounds with oxygen function	20,264	34,924	37,023	\$ 1.06
	Alkyl amino alkoxy alkanol	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	Benzoic acid,244-(dimethylamino)-benzoyl]-	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	N,N-Bis(2-hydroxyethyl)octadecylamine	531	487	1,161	2.38
	<i>Akzo Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Decyl polyphosphate, triethanolamine salt	(1)	(1)	(1)	
	<i>SSC Industries, Inc.</i>				
	(Diethylenetrinitrilo)pentaacetic acid	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	(Diethylenetrinitrilo)pentaacetic acid, pentasodium salt	(1)	19,218	12,767	0.66
	<i>Ciba Geigy Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Mayo Chemical Co., Inc.</i>				
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	N,N-Dihydroxyethylglycine, sodium salt	(1)	(1)	(1)	
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29225050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	N,N-Dimethyldodecylamine oxide Henkel Corp. Lonza, Inc. PPG Industries, Inc. Sherex Chemical Co., Inc. Witco Corp.	(1)	(1)	(1)	
	N,N-Dimethylhexadecylamine oxide Akzo Chemicals, Inc. PPG Industries, Inc.	(1)		(1)	
	Ethanol diglycine, disodium salt W R Grace & Co., Organic Chem. Div., Hampshire Chemicals	(1)	(1)		
	4-Ethylmorpholine Texaco Chemical Co.	(1)	(1)	(1)	
	Fatty acid, alkanolamine ester Company not disclosed	(1)	(1)	(1)	
	N-Hexadecylmorpholine Lonza, Inc.	(1)	(1)	(1)	
	(N-Hydroxyethylethylenedinitrilo) triacetic acid W R Grace & Co., Organic Chem. Div., Hampshire Chemicals	(1)	(1)	(1)	
	(N-Hydroxyethylethylenedinitrilo)triacetic acid, iron salt Dow Chemical Co. UOP, Inc. W R Grace & Co., Organic Chem. Div., Hampshire Chemicals	(1)	(1)	(1)	
	(N-Hydroxyethylethylenedinitrilo)triacetic acid, magnesium salt Dow Chemical Co.	1,1		(1)	
	(N-Hydroxyethylethylenedinitrilo)triacetic acid, trisodium salt Ciba Geigy Corp. Dow Chemical Co. W R Grace & Co., Organic Chem. Div., Hampshire Chemicals		2,928	3,141	\$ 1.07
	3-Lauramido-N,N-dimethylpropylamine oxide Hickson Danchem Corporation Sequa Chemicals, Inc.	(1)	(1)	(1)	
	Octyldimethylamine oxide Huntington Laboratories, Inc.	(1)	(1)	(1)	
	Triethylenetetramine, propoxylated Zeeland Chemical, Inc.	(1)	(1)	(1)	
	2,2,5-Trimethyl-3-(dichloroacetyl)-1,3-oxazolidine Zeneca, Inc., Agricultural Chemicals Div.	(1)	(1)	(1)	
	Residual Total	19,733	12,290	12,539	1.02
292250XX	HTS Level Residual Total	1,514	557	26,532	47.66
2922XX	HTS Level Residual Total	194,146	549	2,223	4.05
2923	Quaternary ammonium salts and hydroxides; lecithins and other phosphoaminolipids	(1)		(1)	
292310	Choline and its salts	(1)	(1)	(1)	
29231000	Choline and its salts	(1)	(1)	(1)	
	Choline Ducoa R.S.A. Corp.	(1)	(1)	(1)	
	Choline bicarbonate Ducoa Syntex Agribusiness, Inc.	(1)	(1)	(1)	
	Choline bitartrate Ducoa Syntex Agribusiness, Inc.		(1)	(1)	
	Choline chloride (animal feed grade)	42,826		(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29231000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Bioproducts, Inc.</i>				
	<i>Ducoa</i>				
	<i>Harcros Chemicals, Inc.</i>				
	<i>Syntex Agribusiness, Inc.</i>				
	Choline chloride (medicinal grade)	(1)	(1)	(1)	
	<i>Ducoa</i>				
	<i>Syntex Agribusiness, Inc.</i>				
	Choline dihydrogen citrate	(1)	(1)	(1)	
	<i>Ducoa</i>				
	<i>Syntex Agribusiness, Inc.</i>				
	Choline magnesium salicylate	(1)	(1)	(9)	
	<i>Napp Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
292390	Quaternary ammonium salts and hydroxides, except choline and its salts	73,883	29,913	90,823	\$ 3.04
29239000	Quaternary ammonium salts and hydroxides, except choline and its salts	73,883	29,913	90,823	3.04
	3-Alkoxy-2-hydroxypropyl trimethyl ammonium chloride	(1)	PI	(1)	
	<i>Company not disclosed</i>				
	N-alkyl-1-naphthylmethyl Ammonium Chloride	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Benzyl dimethyloctadecylammonium chloride	599	500	1,937	3.87
	<i>Croda, Inc.</i>				
	<i>Gillette Chemical Co.</i>				
	<i>Lonza, Inc.</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Benzyl dimethyltetradecylammonium chloride	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Benzyl dodecyl dimethyl ammonium chloride	(1)	(1)	(1)	
	<i>High Point Chemical Corp.</i>				
	Benzyl hexadecyl dimethyl ammonium chloride	(1)	(1)	(1)	
	<i>Buckman Laboratories, Inc.</i>				
	Benzyl trimethyl ammonium chloride	(1)	(1)	(1)	
	<i>High Point Chemical Corp.</i>				
	<i>R.S.A. Corp.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	Benzyl trimethyl ammonium hydroxide	(1)	(1)	(1)	
	<i>R.S.A. Corp.</i>				
	Betaine hydrochloride	(1)	(1)	(1)	
	<i>Ducoa</i>				
	<i>Syntex Agribusiness, Inc.</i>				
	Bethanechol chloride	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Butyl picolinium bromide	(1)	(1)	(1)	
	<i>Zeeland Chemical, Inc.</i>				
	2-(C ₁₃₋₁₇ amidoethyl) (4,5-dimethyl-3-methyl)imidazolium, methyl sulfate	(1)	(1)	(1)	
	<i>Karlshamns, USA</i>				
	(Carboxymethyl) dodecyl dimethyl ammonium hydroxide, inner salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29239000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	3-Chloro-2-hydroxypropyl trimethyl ammonium chloride (1-Propaminium, 3-chloro-2-hydroxy-N,N,N-trimethyl-, chloride) <i>Degussa Corp</i>		(1)	(1)	
	Diallyldimethyl ammonium chloride <i>CPS Chemical Co., Inc.</i> <i>Company not disclosed</i>	(1)	(1)	(1)	
	Didecyldimethylammonium chloride <i>Huntington Laboratories, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Dimethylaminoethylacrylate, methyl chloride, quaternary salt <i>CPS Chemical Co., Inc.</i> <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Dimethylaminoethylmethacrylate, dimethyl sulfate, quaternary salt <i>CPS Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Dimethylaminoethylmethacrylate, methyl chloride, quaternary salt <i>CPS Chemical Co., Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Dimethyldioctadecylammonium choride <i>Akzo Chemicals, Inc.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	Distearyldimethyl ammonium methosulfate <i>Zeeland Chemical, Inc.</i>	(1)	(1)	(1)	
	(Dodecylbenzyl)triethylammonium chloride <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Dodecyltrimethylammonium bromide <i>R.S.A. Corp.</i>	(1)	(1)	(1)	
	Dodecyltrimethylammonium chloride <i>Akzo Chemicals, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Lonza, Inc.</i> <i>Sherex Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Edrophonium chloride <i>Johnson Matthey, Materials Technology Div.</i>	(1)	(1)	(1)	
	[2-(N-Ethylanilino)ethyl]trimethylammonium chloride <i>Miles, Inc.</i>	(1)	(1)	(1)	
	1-Ethyl-2-(8-heptadeceny11-1-(2-hydroxyethyl)-2-imidazolium ethyl sulfate <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	N-Ethyl-N-hexadecylmorpholinium ethyl sulfate <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	<i>a</i> -Gluconamidopropyl dimethy-2-hydroxyethyl ammonium chloride <i>ISP Van Dyk, Inc.</i>	(1)	(1)	(1)	
	Hexadecyltrimethylammonium bromide <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Hexadecyltrimethylammonium chloride <i>Akzo Chemicals, Inc.</i> <i>Lonza, Inc.</i> <i>Sherex Chemical Co., Inc.</i>	937	657	2,794	\$ 4.25

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29239000 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Witco Corp.</i>				
	Hexane-1,6-bis(tributylammonium bromide)	(1)	(1)	(1)	
	<i>Zeeland Chemical, Inc.</i>				
	(2-Hydroxyethyl)dimethyl(3-stearamidopropyl) ammonium dihydrogen phosphate	(1)	(1)	(1)	
	<i>Cytec Industries</i>				
	(2-Hydroxyethyl)dimethyl(3-stearamidopropyl) ammonium nitrate	(1)	(1)	(1)	
	<i>Cytec Industries</i>				
	(3-Lauramidopropyl)trimethylammonium methyl sulfate	(1)		(1)	
	<i>Cytec Industries</i>				
	Lauryl pyridinium chloride	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Methyltrioctylammonium chloride	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	N-Octadecyl-N,N-di(2-hydroxyethyl)-N-methylammonium chloride	(1)	(1)	(1)	
	<i>Sherex Chemical Co., Inc.</i>				
	Polyethylene glycol mono(nonylphenol)ether ammonium sulfate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Stearylamidopropyl dimethyl myristyl acetate ammonium chloride	(1)	(1)	(1)	
	<i>ISP Van Dyk, Inc.</i>				
	Stearyl pyridium chloride	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Tetrabutyl ammonium bromide	VI	(1)	(1)	
	<i>Zeeland Chemical, Inc.</i>				
	Trimethyloctadecylammonium chloride	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Residual Total	72,347	28,756	84,193	\$ 2.93
2924	Carboxamide function compounds; amide function compounds of carbonic acid	201,989	211,606	860,489	4.07
292410	Acyclic amides (including acyclic carbamates) and their derivatives; salts thereof	113,579	118,404	213,693	1.80
29241010	Acyclic amides (including acyclic carbamates)	110,610	115,519	201,912	1.75
	Acrylamide monomer	51,505	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Dow Chemical Co.</i>				
	Allyl ureido monomer	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Amides, all other	VI		(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Arsynco, Inc., Sub. of Aceto Corp</i>				
	<i>Dow Chemical Co.</i>				
	<i>Quaker Chemical Corp.</i>				
	<i>Regis Chemical Co.</i>				
	<i>SCM Corp., Glidco Organics</i>				
	<i>SpecialtyChem Products Corp.</i>				
	<i>Synthetic products co.</i>				
	Behenamide		(1)	(1)	
	<i>Witco Corp.</i>				
	Chloromethylene dimethyliminium (Amide chloride)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29241010 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Vanchem, Inc.</i>				
	Coconut oil amide	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	3',4'-Dichloropropionanilide (Propanil)	(1)	(1)	(1)	
	<i>Rohm & Haas Co.</i>				
	N-12-(Diethylamino)ethyl-1-octadecanamide	(1)	(1)	(1)	
	<i>Inolex Chemical Co.</i>				
	N,N-Dimethylacetamide	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Monsanto Co.</i>				
	N-13-(Dimethylamino)propyl-1-(Z)-octadecanamide	(1)	(1)	(1)	
	<i>Inolex Chemical Co.</i>				
	N-[3-(Dimethylamino)propyl]-1-octadecanamide	(1)	(1)	(1)	
	<i>Inolex Chemical Co.</i>				
	N,N-Dimethylformamide	(1)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Erucamide	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Synthetic products co.</i>				
	<i>Witco Corp.</i>				
	N,N'-Ethylenebis-oleamide (Oleic acid-ethylenediamine condensate (Amine/acid ratio = 1/2))	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	<i>Morton International, Inc., Specialty Chemicals Products</i>				
	<i>Witco Corp.</i>				
	N,N'-Ethylenebis(stearamide)	16,498	16,481	23,488	\$ 1.43
	<i>Lonza, Inc.</i>				
	<i>Morton International, Inc., Specialty Chemicals Products</i>				
	<i>Witco Corp.</i>				
	Ethylene(12)hydroxystearamide	(1)	(1)		
	<i>Caschem, Inc.</i>				
	3-Iodo-2-propynyl butylcarbamate	(1)	(1)	(1)	
	<i>Troy Chemical Corp.</i>				
	N-Methylacetamide	(1)		(1)	
	<i>Arsynco, Inc., Sub. of Aceto Corp</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	N,N'-Methylenebis(acrylamide)	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	Oleamide (Octadecene amide)	2,977	2,748	6,168	2.24
	<i>Akzo Chemicals, Inc.</i>				
	<i>Synthetic products co.</i>				
	<i>Witco Corp.</i>				
	Oleoylpalmitamide	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	<i>Zeeland Chemical, Inc.</i>				
	Oxamide	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Hummel Crofton, Inc.</i>				
	Stearamide (Octadecane amide)	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Synthetic products co.</i>				
	<i>Witco Corp.</i>				
	Stearyl erucamide	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	<i>Zeeland Chemical, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29241010 —Continued					
	Tallow amide <i>Quaker Chemical Corp.</i>			(1)	
	Tallow amide, hydrogenated <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Residual Total	39,630	96,289	153,998	\$ 1.60
29241050	Derivatives of acyclic amides (including acyclic carbamates) and salts thereof	2,968	2,885	11,781	4.08
	Acetamidoethanol (N-Acetyl-ethanolamine) <i>Scher Chemicals, Inc.</i>	(1)		(1)	
	2-Chloro-N-12,2-dimethoxy ethyl)-N-methyl acetamide(DMCA) <i>SpecialtyChem Products Corp.</i>	(1)	∞	(1)	
	Chloro-N-12-hydroxyethyl)acetamide <i>Akzo Chemicals, Inc.</i>	(1)	∞	(1)	
	Chlorphenesin carbamate <i>Merck & Co., Inc.</i>		∞		
	Cocoamidopropyl dimethyl amine <i>Company not disclosed</i>	(1)	∞	(1)	
	N,N-diallyl-2,2-dichloroacetamide <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)	∞	(1)	
	Diethyl acetamidomalonate <i>Eastman Kodak Co., Texas Eastman Co. Div</i>	(1)	∞	(1)	
	N,N-Dimethylacetoacetamide <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	∞	(1)	
	Ethylene bisisostearamide <i>Lonza, Inc.</i>	(1)	∞	(1)	
	N-(2-Hydroxyethyl)-12-hydroxystearamide <i>Caschem, Inc.</i>		∞		
	Hydroxyurea <i>Wyckoff Chemical Co., Inc.</i>	(1)	∞		
	N-Methyl-N-oleoyltaurine, sodium salt <i>Grant Industries, Inc.</i>	(1)	∞	(1)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Rhone Poulenc, Inc.</i>				
	N-Octadecylsulfosuccinamic acid, disodium salt <i>Cytec Industries</i>	(1)	∞	(1)	
	<i>High Point Chemical Corp.</i>				
	Polyethoxylated tallow amide <i>Akzo Chemicals, Inc.</i>	(1)	(1)		
	Soya amide, N,N-bis(hydroxyethyl) <i>Quaker Chemical Corp.</i>	(1)	∞	(1)	
	Stearamidoethyldiethylamine <i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn)</i>	(1)	∞	(1)	
	Stearamidoethylethanolamine acetate <i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn)</i>	(1)	∞	P1	
	Stearyl stearamide <i>Witco Corp.</i>	(1)	(1)		
	Residual Total	2,968	2,885	11,781	4.08
292421	Ureines and their derivatives; salts thereof	12,733	P)	(1)	
29242115	Aromatic pesticides of ureines and their derivatives; salts thereof. nesi	(1)	(1)	(1)	
	2-Chloro-N-Umethy1-2-methoxy)ethy11-N-(2,4-dimethyl-thien-3-y1)-acetamide <i>Sandoz Crop Protection (zeffird)</i>	(1)		(1)	
	3-(3,4-Dichloropheny1)-1,1-dimethylurea (Diuron) <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	∞		
	3-(3,4-Dichloropheny1)-1-methoxy-1-methylurea (Linuron)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales	Value	Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29242116 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	1-(2-Methylcyclohexyl)-3-phenylurea (Siduron)	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29242145	HTS Level Residual Total	(¹)	(¹)	(¹)	
	Acetoacetanilide	(1)	VI	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Lonza, Inc.</i>				
	4'-Aminoacetanilide (Acetyl-p-phenylenediamine)	(1)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	3'-Amino-p-acetanisidide	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	<i>Synalloy Corp., Blackman Uhler Chemical Div.</i>				
	p-Aminobenzamide	01	(1)	(1)	
	<i>National Starch & Chemical Co.</i>				
	2-Amino-4-nitroacetanilide	(11)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	N,N'-Diethyl-N,N'-diphenylurea	(¹)	(¹)	(¹)	
	<i>Vanchem, Inc.</i>				
	Diphenyl-4,4'-diphenylmethylenedicarbamate	(¹)	(¹)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	N-Phenylurea	(1)	(¹)	(¹)	
	<i>R. S.A. Corp.</i>				
	Residual Total	(1)	(1)	(11)	
29242150	Nonaromatic ureines and their derivatives; and salts thereof	(1)	(¹)	(¹)	
	tert-Butyl urea	(9)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Residual Total	(¹)	(1)	(1)	
292421XX	HTS Level Residual Total	12,733	(1)	(1)	
292429	Cyclic amides (including cyclic carbamates) and their derivatives; salts thereof, nesi	75,677	(1)	(1)	
29242909	4-Acetamido-2-aminophenol; and other specified aromatic cyclic amides (including cyclic carbamates) and their derivatives; salts thereof	(1)	(1)	(1)	
	Benzanilide	(¹)	(¹)	(1)	
	<i>Eastman Kodak Co.</i>				
	Residual Total	(¹)	(1)	(¹)	
29242911	2-Acetamido-3-cNoroanthraquinone and other specified aromatic cyclic amides and their derivatives; salts thereof	(1)	(1)	(1)	
	o-Acetoacetanisidide	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Lonza, Inc.</i>				
	o-Acetoacetotoluidide	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Lonza, Inc.</i>				
	2',4'-Acetoacetoxylidide	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Lonza, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29242915	Specified aromatic pesticides of aromatic cyclic amides (including cyclic carbamates) and their derivatives; salts thereof	(1)	(¹)	(¹)	
	1-Naphthaleneacetamide	(1)	(1)	(¹)	
	<i>Amvac Chemical Corp.</i>				
	Residual Total	(1)	(1)	(1)	
29242919	Aromatic pesticides of cyclic amides (including cyclic carbamates) and their derivatives; salts thereof, nesi	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29242919 — Continued					
	6-benzylethine (bap) <i>Abbott Laboratories</i>	(¹)	(¹)	(¹)	
	2-Chloro-2', 6'-diethyl-N-Imethoxymethyl) acetanilide (Alachlor) <i>Monsanto Co., Agricultural Group</i>	(1)	(1)	(1)	
	2-Chloro-2',6'-diethyl-N-(n-butoxymethyl) acetanilide (Butachlor) <i>Monsanto Co., Agricultural Group</i>	(1)		(1)	
	2-Chloro-N-ethoxymethyl-N-(2-ethyl-6-methylphenyl) acetamide (Acctochlor) <i>Monsanto Co., Agricultural Group</i>	(¹)	(¹)		
	2-Chloro-N-isopropylacetanilide (Propachlor) <i>Monsanto Co., Agricultural Group</i>	(1)	(1)	(1)	
	2-Chloro-N-[[4-(trifluoromethoxy)phenyllaminol carbonylbenzamide <i>Miles, Inc., Agricultural Chemicals Div.</i>		(1)	(1)	
	N,N-Diethyltoluamide (DEET) <i>Company not disclosed</i>	(1)	(1)		
	N-(2,4-Dimethyl-5-[(trifluoromethyl)sulfonyl] amino)phenyllacetamide <i>Minnesota Mining & Manufacturing Co.</i>	(1)	(1)	(1)	
	1-Naphthyl N-methylcarbamate (Carbaryl) <i>Rhone Poulenc, Inc.</i>	(1)	(1)		
	Residual Total	(1)	(1)	(1)	
29242935	Diethylaminoacetoxylidide (Lidocaine)			(¹)	
	Lidocaine <i>Napp Chemicals, Inc.</i> <i>Wyckoff Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Lidocaine hydrochloride <i>Napp Chemicals, Inc.</i> <i>Wyckoff Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(¹)	(¹)	
29242939	Aromatic drugs of cyclic amides (including cyclic carbamates) and their derivatives; salts thereof, nesi	(1)	(1)	(1)	
	Acetaminophen <i>Mallinckrodt Speciality Chemicals Co. (Raleigh)</i> <i>Sterling Drug, Inc., Sterling Organics Div.</i>	(1)	(1)	(1)	
	Dinitolmidate <i>Salsbury Chemicals, Inc.</i>	(1)	(1)	(1)	
	Florfenicol <i>Schering Corp.</i>	(1)	(1)	(1)	
	Iohexol <i>Sterling Drug, Inc. (Barceloneta)</i>	(1)	(1)	(1)	
	Methocarbamol <i>B.I. Chemicals, Inc.</i>	(1)	(1)	(1)	
	Procainamide hydrochloride <i>Parke Davis Div. of Warner Lambert, Inc.</i> <i>Wyckoff Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29242944	Aromatic cyclic amides (including cyclic carbamates) & their derivatives; salts thereof, nesi, described in add. U.S. note 3 of section VI	(1)		(1)	
	Salicylanilide <i>Rhone Poulenc, Inc.</i>	(¹)	(1)	(1)	
	Residual Total	(¹)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29242950	Nonaromatic cyclic amides (including cyclic carbamates) and their derivatives; salts thereof, nesi				
	p-Acetotoluidide <i>Eastman Kodak Co.</i>	(1)	(1)	(1)	
	4'-Chloro-2',5'-dimethoxyacetoacetanilide <i>Lonza, Inc.</i>		(1)	(1)	
	N-Cyclohexyl-N-palmitoyltaurine, sodium salt <i>Hoechst Celanese Corp., Sou Tex Works</i>	(1)	(1)	(1)	
	2,4-Dinitroacetanilide <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)		(1)	
	NII-Hydroxyethyl-2,4-dihydroxybenzamide <i>Pfister Chemical, Inc.</i>	(1)	(1)	(1)	
	4-Hydroxymetanilamide <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	(1)	(1)	
	Isostearic acid, aminoethylethanolamide, acetate salt <i>Piedmont Chemical Industries, Inc.</i>	(1)	(1)	(1)	
	-Nitrobenzamide <i>Parke Davis Div. of Warner Lambert, Inc.</i>	(1)	(1)	(1)	
	3,4,4'-Trichlorocarbaniilide <i>Monsanto Co.</i>	(1)	(1)	(1)	
	Residual Total	164	(1)	(1)	
292429XX	HTS Level Residual Total	75,513	82,286	563,287	\$ 6.85
2925	Carboxyimide-function compounds (including saccharin and its salts) and imine-function compounds	(1)	(1)	(1)	
292511	Saccharin and its salts	(1)	(1)	(1)	
29251100	Saccharin and its salts	(1)	(1)	(1)	
	Saccharin (1,2-Benzisothiazolin-3-one,-1,1-dioxide) <i>PMC Inc., PMC Specialities Group, Inc.</i>		(1)	(1)	
	Saccharin,sodium salt <i>PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(1)	
	Residual Total		(1)	(1)	
292519	Imides and their derivatives of carboxyamides -function compounds, nesi	126,594	(1)	(1)	
29251910	Ethylenebistetrabromophthalimide	(1)	(1)	(1)	
	3,4,9,10-Perylenetetracarboxylic-3,4:9,10-diimide <i>Miles, Inc.</i>	(1)	(1)	(1)	
	Phthalimide <i>PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(1)	
	Residual Total		(1)	(1)	
29261920	Aromatic imides and their derivatives; salts thereof, nesi	(1)	(1)	(1)	
	Alkyl terephthalamate <i>Chevron Corp., Chevron Chemical Co.</i>	(1)	(1)	(1)	
	N,N'-Dimethyl-3,4,9,10-perylenetetracarboxylic acid 3,4:9,10-diimide <i>Miles, Inc.</i>	(1)	(1)	(1)	
	Naphthalimide <i>Miles, Inc.</i>	(1)	(1)	(1)	
	m-Phenylenebismaleimide <i>Ruetgers Nease Chemical Co.</i>	(1)	(1)	(1)	
	m-Phenylenebismaleimide <i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>		(1)	(1)	
	Residual Total		(1)	(1)	
29251950	Nonaromatic imides and their derivatives; salts thereof, nesi	121,376	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29251960 —Continued					
	Alkenyl succinimide <i>Chevron Corp., Chevron Chemical Co.</i> <i>Company not disclosed</i> <i>Ethyl Corp.</i> <i>Texaco Chemical Co.</i>	114,814	(1)	(1)	
	N-(Cyclohexylthio)phthalimide <i>Monsanto Co.</i>	(1)	(1)	(1)	
	N,N'-Ethylenebis(5,6-dibromo-2,3-norbornenedicarboximide) <i>Ethyl Corp.</i>	(1)	(1)	(1)	
	N,N'-Ethylene-1,2-bis-5-norbornene-2,3-dicarboximide <i>Velsicol Chemical Corp.</i>	(1)	(1)	(1)	
	N-(2-Ethylhexyl)bicyclo(2.2.1)-5-heptene-2,3-dicarboximide <i>Mclaughlin Gormley King Co.</i>	(1)	(1)	(1)	
	All other (specify) <i>Chemical Exchange Industries, Inc.</i> <i>Company not disclosed</i> <i>Mobil Oil Corp., Chemical Products Div.</i>	(1)	(1)	(1)	
	Stearamidoethyl-2-heptadecyl imidazoline <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)		(1)	
	Residual Total	6,562	(1)	(1)	
292519XX	HTS Level Residual Total	5,218	(1)	(1)	
292520	'mines and their derivatives; salts thereof	16,043	(1)	(1)	
29252020	Aromatic drugs of imines and their derivatives, nesi	217	(1)	(1)	
	Dextromethorphan hydrobromide <i>Company not disclosed</i> <i>Cyclo Products Inc. Ivil</i> <i>Lanza, Inc.</i>	(1)	(1)	(1)	
	Guanidines, cyclic, other <i>Vanderbilt Chemical Corp. (Murray, KY)</i>	(1)	(1)	(1)	
	2,2'-(m-Tolylimino)diethanol <i>Milliken & Co., Milliken Chemical Div.</i>		(1)		
	2,2'4(Phenyl)iminokliethanol, diacetate ester <i>Milliken & Co., Milliken Chemical Div.</i>	(1)	(1)	(1)	
	Residual Total	217		(1)	
29252050	Nonaromatic imines and their derivatives; salts thereof	15,826	9,329	21,203	\$ 2.27
	Chelating agents, nitriloacids and salts, all other <i>Buckman Laboratories, Inc.</i> <i>Ciba Geigy Corp.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>	7,270	6,755	6,284	0.93
	n-Dodecylguanidine acetate (Dodine) <i>Company not disclosed</i> <i>Merck & Co., Inc.</i>	(1)	(1)	(1)	
	N-Dodecyl-3-iminodipropionic acid, disodium salt <i>Company not disclosed</i> <i>Mona Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	N-Dodecyl-3-imino-dipropionic acid, monosodium salt <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29252050 — Continued					
	Hexamethyleneimine <i>Chemical Exchange Industries, Inc.</i> <i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i>	(1)	(1)	(1)	
	Propylene imine <i>Arsynco, Inc., Sub. of Aceto Corp</i>	(1)	(1)	(1)	
	Residual Total	8,556	2,574	14,697	\$ 5.71
292520XX	HTS Level Residual Total		(1)	(1)	
2925XX	HTS Level Residual Total	(1)	(1)	(1)	
2926	Nitrie-function compounds	(1)	(1)	(1)	
292690	Nitrie-function compounds, nesi	(1)	(1)	(1)	
	Benzonitrile <i>PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29269021	Aromatic fungicides of nitrile-function compounds	(1)	(1)	(1)	
	2,4,5,6-Tetrachloroisophthalonitrile <i>ISK Biotech Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29269025	Aromatic herbicides of nitrile-function compounds, nesi	(1)	(1)	(1)	
	3,5-Dibromo-4-hydroxybenzimidazole, octanoic acid esters (Bromoxynil octanoate) <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(9)	(1)	(1)	
29269027	Aromatic pesticides of nitrile-function compounds, nesi	1,304	(1)	(1)	
	Cyano(4-fluoro-3-phenoxyphenyl)Imethyl-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate <i>FMC Corp., Agricultural Chemical Group</i>	(1)	(1)	(1)	
	Cyano-3-phenoxybenzyl-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate <i>Company not disclosed</i>	(1)	(1)	(1)	
	Cyano(3-phenoxyphenyl)Imethyl-4-chloro-a-(1-methylethyl)benzeneacetate <i>E.I. Dupont de Nemours & Co., Inc., Ag.-Products Dept.</i>	(1)	(1)	(1)	
	Cypermethrin <i>FMC Corp., Agricultural Chemical Group</i>	(1)	(1)	(1)	
	Residual Total	1,304		(1)	
	Cinnamyl nitrile <i>International Flavors & Fragrances, Inc.</i>	(1)	(1)	(1)	
	Citronellyl nitrile <i>SCM Corp., Glidco Organics</i>	(1)	(1)	(1)	
	Ethyl-2-cyano-3,3-diphenylacrylate <i>BASF Corp (Parsippany, NJ)</i>	(1)	(1)	(1)	
	3-(N-Ethyl-4-formyl-m-toluidine)propionitrile <i>Company not disclosed</i>	(1)	(1)	(1)	
	2-Ethylhexyl-2-cyano-3,3-diphenylacrylate <i>BASF Corp (Parsippany, NJ)</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
	4[(2-Cyanoethyl)ethylamino]-o-tolualdehyde <i>Miles, Inc.</i>	(1)	(1)	(1)	
	Isophthalonitrile <i>EL Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29269050	Nonaromatic nitrie-function compounds, nesi	2,493,228	845,344	565,907	0.67
	Acetonitrile	14,680	(1)	(9)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29269050 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	BP Chemicals, Inc. Company not disclosed E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept. J. T. Baker Chemical Co. Sterling Chemicals, Inc.				
	Acrylonitrile, monomer	1,283,150	800,087	488,225	\$ 0.61
	BP Chemicals, Inc. Cytec Industries E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept. Monsanto Co. Sterling Chemicals, Inc.				
	Adiponitrile	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept. Monsanto Co.				
	n-Butyronitrile	(1)	(1)	(1)	
	Eastman Kodak Co., Texas Eastman Co. Div				
	Coconitrile	(1)	(1)		
	Akzo Chemicals, Inc.				
	Crotononitrile		(1)	(1)	
	Huls America, Inc.				
	1-(2-Cyanoethyl)ethyl urea	(1)	(1)	(1)	
	Rohm & Haas Co.				
	Cyclohexane carbonitrile	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	1,2-Dibromo-2,4-dicyanobutane	(¹)	(1)	(1)	
	Pfister Chemical, Inc.				
	Dicyanoethyldiethylene triamine	(¹)	(¹)	(1)	
	Zeeland Chemical, Inc.				
	3,7-Dimethyl-2,6-octadienenitrile	(¹)	(¹)		
	Firmenich, Inc.				
	3-Ethoxypropionitrile	(¹)	(¹)	(¹)	
	Dixie Chemical Co., Inc.				
	Ethyl cyanoacetate	(¹)	(¹)	(¹)	
	Huls America, Inc.				
	Geranyl nitrile (Citralva)	(1)			
	International Flavors & Fragrances, Inc. SCM Corp., Glidco Organics				
	Hexadecylnitrile	(1)	(¹)	(¹)	
	Akzo Chemicals, Inc.				
	Iminodiacetonitrile	(1)	(1)	(¹)	
	W R Grace & Co., Organic Chem. Div., Hampshire Chemicals				
	Isobutyronitrile		(1)		
	Eastman Kodak Co., Texas Eastman Co. Div				
	Isodecyloxypropionitrile	(1)	(1)		
	Exxon Chemical Americas				
	Isophoronitrile	(¹)	(1)		
	W R Grace & Co., Organic Chem. Div., Hampshire Chemicals				
	Lauronitrile (Dodecyl nitrile)	(¹)	(1)	(¹)	
	Akzo Chemicals, Inc.				
	3-Methoxypropionitrile	(¹)	(1)	(¹)	
	Company not disclosed				
	3-Methyl-2-fand3)nonene nitrile	(¹)	(¹)	(¹)	
	Givaudan Corp.				
	Methyl cyanoacetate	(¹)	(¹)	(¹)	
	Huls America, Inc.				
	2-Methylactonitrile (Acetone cyanohydrin)	545,408	(¹)	(¹)	
	BP Chemicals, Inc. Cyro Industries				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29269050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Rohm & Haas Co.</i>				
	Nitriles, all other	(1)	(¹)		
	<i>Witco Corp.</i>				
	<i>Zeeland Chemical, Inc.</i>				
	Octadecane nitrile	(1)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	Octadecenenitrile (Oleonitrile)	(1)		(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	Propionitrile	(¹)	(⁰)	(¹)	
	<i>Monsanto Co.</i>				
	Soya nitrile	(¹)			
	<i>Akzo Chemicals, Inc.</i>				
	Tallow nitrile	(¹)	(1)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Tallow nitrile, hydrogenated	(¹)	(¹)	(⁰)	
	<i>Akzo Chemicals, Inc.</i>				
	Trichloroacetone nitrile	(¹)	(¹)	(¹)	
	<i>Olin Corp. III, iii, viii, ix, xii, xiv, xv)</i>				
	Residual Total	649,989	45,257	57,802	\$ 1.28
292690XX	HTS Level Residual Total	16,890	(¹)	(¹)	
2927	Diazo-, azo- or azoxy-compounds	(1)	V1	(¹)	
292700	Diazo-, azo- or azoxy-compounds	(¹)	(¹)	(¹)	
29270015	1,1'-Azobisformamide	(¹)	V1	(¹)	
	1,1'-Azobisformamide		(¹)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	(1)	(¹)	(¹)	
29270040	Diazo-, azo- or azoxy-compounds, nesi, described in additional U.S. note 3 to section VI	2,742	(¹)	(¹)	
	4-Amino-1,2,4-triazole	(1)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	2,2'-Azobis[2-methylpropionitrile] (Azobisisobutyronitrile)	(1)	(1)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	1,4-Diazobicyclo(2.2.2)octane	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	4-Methylbenzotriazole	(1)	(¹)	(¹)	
	<i>Miles, Inc.</i>				
	Tolyltriazole, potassium salt	(¹)		(¹)	
	<i>Company not disclosed</i>				
	Residual Total	2,742		(¹)	
29270050	Other diazo-, azo- or azoxy compounds, nesi	2,293	1,138	11,431	10.05
	m-[(4-Amino-3-methoxyphenyl)azo]benzenesulfonic acid	(¹)	(¹)	(¹)	
	<i>Miles, Inc.</i>				
	6-Amino-2-[(2-oxo-5-benzimidazolyl)amino]benzenesulfonic acid		(¹)	(¹)	
	<i>Bristol Myers Squibb Co.</i>				
	2,2-Azobis(dimethyl pentane nitrile)	(1)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	2,2-Azobis(2-methyl butane nitrile)	(¹)		(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Benzotriazole, potassium & sodium salts	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Dibenzylazodicarboxylate	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity 1,000 Kilograms	Value 1,000 Dollars	Per kilogram
HTS No. 29270050 —Continued					
	1-Hydroxyethyl-1-(2-hydroxy-3-sodiumsulfonatopropyl)-2-oleyl-2-imidazolium hydroxide <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	1-(2-Hydroxyethyl)-2-nonyl-2-imidazoline <i>Mona Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>	406	(1)	(1)	
	1-(2-Hydroxyethyl)-2-undecyl-3-carboxyethylimidazoline, sodium salt <i>Rhone Poulenc, Inc.</i>	11	11	(1)	
	Hydroxyethyl-2-undecyl-2,3-imidazoline <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	1-(2-Hydroxyethyl)-2-undecyl-2-imidazoline <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	p-[(p-Aminophenyl)azolbenzenesulfonic acid <i>Miles, Inc.</i>	(1)	(1)	(1)	
	Pentazocine <i>Sterling Drug, Inc. (Barceloneta)</i>	(1)	(1)	(1)	
	Pentazocine hydrochloride <i>Sterling Drug, Inc. (Barceloneta)</i>	(1)	0	(1)	
	4-(Phenylazo)diphenylamine <i>Eastman Kodak Co.</i>	(1)	(1)	(1)	
	Residual Total	1,887	1,138	11,431	10.05
2928	Organic derivatives of hydrazine or of hydroxylamine	(1)	(1)	(1)	
292800	Organic derivatives of hydrazine or of hydroxylamine	(1)	(1)	(1)	
29280020	Aromatic organic derivatives of hydrazine or of hydroxylamine, nesi	(1)	0	0	
	p-Toluenesulfonylhydrazide <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	p-Toluenesulfonylsemicarbazide <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29280030	Nonaromatic drugs of organic derivatives of hydrazine or of hydroxylamine	(1)		0	
	Carbidopa <i>Merck & Co., Inc.</i>	(1)	(1)	0	
	Residual Total	(1)	(1)	(1)	
29280050	Nonaromatic organic derivatives of hydrazine or of hydroxylamine, nesi	2,984	(1)	(1)	
	Acetaldehyde dimethylhydrazone <i>Dixie Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Diethylhydroxylamine <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	3,7-Dimethyl-2,6-octadien-1-oxime <i>SCM Corp., Glidco Organics</i>	(1)	00	(1)	
	3,7-Dimethyl-6-octen-1-oxime <i>SCM Corp., Glidco Organics</i>	(1)	(1)	(1)	
	2-(8-Heptadecenyl)-4,4-bis(hydroxymethyl)-2-oxazoline <i>Exxon Chemical Americas</i>	(1)		(1)	
	2-Heptadecyl-1-(2-hydroxyethyl)-2-imidazoline <i>Witco Corp.</i>	(1)	(1)	(1)	
	Residual Total	2,984	(1)	(1)	
2929	Compounds with other nitrogen function	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
292910	Isocyanates	(¹)	(¹)	(¹)	
29291015	Mixtures of 2,4- and 2,6-toluenediisocyanates	361,872	211,991	375,067	\$ 1.77
	Toluene 2,4- and 2,6-diisocyanate (80/20 Mixture)	361,872	211,991	375,067	1.77
	BASF Corp (Parsippany, NJ)				
	Dow Chemical Co.				
	ICI Americas, Inc., Polyurethanes Group				
	Miles, Inc.				
	Olin Corp. iii, viii, ix, xii, xiv, xv)				
	Rubicon, Inc. (sec iii)				
29291040	Isocyanates, nesi, described in additional U.S. note 3 to section VI	(¹)	(¹)	(¹)	
	Butyl isocyanate	(¹)	(¹)	(¹)	
	Vanchem, Inc.				
	Hexamethylene 1,6-diisocyanate (HDI)	(¹)	(¹)	(¹)	
	Olin Corp. (ii, viii, ix, xii, xiv, xv)				
	Vanderbilt Chemical Corp. (Bethel, CT)				
	Residual Total		(¹)	(¹)	
29291060	Isocyanates, nesi	(¹)	(¹)	(¹)	
	Diphenylmethane 4,4'-diisocyanate (MDI)	(¹)	31,485	73,215	2.33
	BASF Corp (Parsippany, NJ)				
	Dow Chemical Co.				
	ICI Americas, Inc., Polyurethanes Group				
	Isocyanic acid derivatives, all other	(¹)	(¹)	(¹)	
	Upjohn Co., Fine Chemicals				
	Polymethylene polyphenylisocyanate	(¹)	250,343	399,314	1.60
	BASF Corp (Parsippany, NJ)				
	Dow Chemical Co.				
	ICI Americas, Inc., Polyurethanes Group				
	Residual Total	(¹)	(¹)	01	
	p-Toluenesulfonyl isocyanate	(¹)	(¹)	(¹)	
	Vanchem, Inc.				
	Residual Total	(¹)	(¹)	(¹)	
292990	Compounds with other nitrogen function, except isocyanates	(¹)	(¹)	(¹)	
29299010	Aromatic compounds with other nitrogen function, described in additional U.S. note 3 to section VI	(¹)	(¹)	(¹)	
	Di-para-benzoquinone dioxime	(¹)	(¹)	(¹)	
	Lord Corp., Chemical Products Div.				
	1,5-diureidonaphthalene	(¹)	0)	(¹)	
	Specialty Organics, Inc.				
	Residual Total		(¹)	(¹)	
29299020	Aromatic compounds with other nitrogen function, nesi	(¹)	(¹)	(¹)	
	Polyglycols toluene diisocyanate reaction product	(¹)	(¹)	(¹)	
	Company not disclosed				
	Residual Total	(¹)	(¹)	(¹)	
29299050	Nonaromatic compounds with other nitrogen functions, except isocyanates	(¹)	(¹)	(¹)	
	Cyclohexylsulfamic acid	(¹)	(¹)	(¹)	
	SpecialtyChem Products Corp.				
	Nitrilotriacetic acid, trisodium salt	(¹)	(¹)	0)	
	WR Grace & Co., Organic Chem. Div., Hampshire Chemicals				
	Nitrogenous compounds, acyclic, all other	(¹)		0)	
	Air Products & Chemicals, Inc.				
	Company not disclosed				
	Company not disclosed				
	Dixie Chemical Co., Inc.				
	Elf Atochem North America, Inc., Fine Chem & Org. Div.				
	Exxon Chemical Americas				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29299050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Hickson Danchem Corporation				
	Lonza, Inc.				
	Olin Corp. viii, ix, xii, xiv, xv)				
	R.S.A. Corp.				
	Rhone Poulenc, Inc.				
	Rohm & Haas Co.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Oleyl betaine	(¹)	(¹)	(¹)	
	Rhone Poulenc, Inc.				
	1-Propanaminium, N-ethyl-N,N-dimethyl-3-[(1-oxooctadecyl)amino]-, ethyl sulfate	(1)	(1)	(1)	
	Scher Chemicals, Inc.				
	3-Stearylamidopropyl dimethylammonium lactate		(1)	(1)	
	Inolex Chemical Co.				
	Triazine	(1)	(1)	(1)	
	Quaker Chemical Corp.				
	Residual Total	(1)	(1)	(1)	
2930	Organo-sulfur compounds	(1)	(1)	(1)	
293010	Dithiocarbonates (xanthates)	(1)	(1)	(1)	
29301000	Dithiocarbonates (xanthates)	(1)	(1)	(1)	
	Flotation reagents, all other	(1)	(¹)	(¹)	
	Hickson Danchem Corporation				
	Potassium amylxanthate	(¹)	(¹)	(¹)	
	Cytec Industries				
	Zinc isopropyl xanthate	(1)	(1)	(1)	
	Vanderbilt Chemical Corp. (Murray, KY)				
	Residual Total	(1)	(¹)	(¹)	
293010XX	HTS Level Residual Total	(1)	(1)	(1)	
293020	Thiocarbamates and dithiocarbamates	(¹)	(1)	(1)	
29302010	Aromatic pesticides of thiocarbamates and dithiocarbamates	(¹)	(¹)	(¹)	
	S-benzyl thiocarbamate	(¹)	(1)	(1)	
	Zeneca, Inc., Agricultural Chemicals Div.				
	S-Ethyl cyclohexylmethylthiocarbamate	(1)	(¹)	(1)	
	Zeneca, Inc., Agricultural Chemicals Div.				
	Hydroxymethyl(methyl)dithiocarbamic acid, potassium salt	(¹)	(1)	(1)	
	Buckman Laboratories, Inc.				
	Methyl 3-	(1)	(¹)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.				
	N-Methyldithiocarbamic acid, potassium salt	(1)	(1)	(1)	
	Buckman Laboratories, Inc.				
	N-Methyldithiocarbamic acid, sodium salt (Metham)	29,888		(1)	
	Amvac Chemical Corp.				
	Buckman Laboratories, Inc.				
	Zeneca, Inc., Agricultural Chemicals Div.				
	Residual Total	(1)	(1)	(¹)	
29302020	Aromatic compounds of thiocarbamates and dithiocarbamates, excluding pesticides	(¹)	(¹)	(¹)	
	Dibenzoyldithiocarbamic acid, sodium salt	(¹)	(¹)	(¹)	
	Uniroyal Chemical Co., Inc.				
	Dibenzoyldithiocarbamic acid, zinc salt	(1)	(1)	(1)	
	Uniroyal Chemical Co., Inc.				
	Piperidinium pentamethylene dithiocarbamate	(¹)	(¹)	(¹)	
	Vanderbilt Chemical Corp. (Murray, KY)				
	Residual Total	(¹)	(1)	(1)	
29302050	Nonaromatic compounds of thiocarbamates and dithiocarbamates, nesi	17,783	17,745	28,913	\$ 1.63

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29302050 —Continued					
	Diammonium dithiodiglycolate <i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>	(1)	(1)	(1)	
	Dibutyldithiocarbamic acid, nickel salt <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Dibutyldithiocarbamic acid, sodium salt <i>Vanderbilt Chemical Corp. (Murray, KY)</i>	(1)	(1)	(1)	
	Dibutyldithiocarbamic acid, sodium salt <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	Dibutyldithiocarbamic acid, zinc salt <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Dibutyldithiocarbamic acid, zinc salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	Dibutyldithiocarbamic acid, zinc salt <i>Vanderbilt Chemical Corp. (Murray, KY)</i>	(1)	(1)	(1)	
	Diethyldithiocarbamic acid, tellurium salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	Diethyldithiocarbamic acid, zinc salt <i>Vanderbilt Chemical Corp. (Murray, KY)</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, bismuth salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, copper salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, lead salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, potassium salt <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, potassium salt <i>Alco Chemical</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, potassium salt <i>Buckman Laboratories, Inc.</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, selenium salt <i>Vanderbilt Chemical Corp. (Bethel, CT)</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, sodium salt <i>Alco Chemical</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, sodium salt <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, sodium salt <i>Vanderbilt Chemical Corp. (Murray, KY)</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, zinc salt <i>Vinings Industries, Inc.</i>	(1)	(1)	(1)	
	Dimethyldithiocarbamic acid, zinc salt <i>Vanderbilt Chemical Corp. (Murray, KY)</i>	(1)	(1)	(1)	
	Dithiocarbamic acid fungicides, acyclic, all other <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	S-Ethyl diisobutylthiocarbamate (Butylate) <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)	(1)	(1)	
	S-Ethyl dipropylthiocarbamate (EPIC) <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)	(1)	(1)	
	Ethylene bis(dithiocarbamic acid), disodium salt (Nabam) <i>Alco Chemical</i>	(1)	(1)	(1)	
	Ethylene bis(dithiocarbamic acid), disodium salt <i>Vinings Industries, Inc.</i>	(1)	(1)	(1)	
	Ethylene bis(dithiocarbamic acid), manganese salt with zinc ions <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	S-Propyl butylethylthiocarbamate (Pebulate) <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)	(1)	(1)	
	S-Propyl dipropylthiocarbamate (Vernolate) <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)	(1)	(1)	
	Residual Total	17,783	17,745	28,913	\$ 1.63
293030	Thiuram mono-, di- or tetrasulfides	(1)	(1)	(1)	
29303000	Thiuram mono-, di- or tetrasulfides	(1)	(1)	(1)	
	Tetrabenzylthiuram disulfide	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production		Sales		Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram	
HTS No. 29303000 —Continued						
	Residual Total	(¹)	(¹)	(¹)		
293040	Methionine	(¹)	(¹)	(¹)		
29304000	Methionine	(¹)	(¹)	(¹)		
	Methionine (animal feed grade)	(¹)	(¹)	(¹)		
	<i>Degussa Corp</i>					
	Residual Total	(¹)	(¹)	(¹)		
293090	Organo-sulfur compounds, nesi	354,309	191,903	381,494		\$ 1.99
29309010	Aromatic pesticides of organo-sulfur compounds, nesi	(¹)	(¹)	(¹)		
	N-Trichloromethylthiophthalimide (Folpet)	(¹)	(¹)	(¹)		
	<i>Dow Chemical Co.</i>					
	Residual Total	(¹)	0	(¹)		
29309028	HTS Level Residual Total	2,756	2,540	20,438		8.05
	o-Aminobenzenethiol	(¹)	(¹)	(¹)		
	<i>Fairmount Chemical Co., Inc.</i>					
	p-tert-Amylphenol sulfide (Tackifier)	(¹)	(¹)	(¹)		
	<i>Elf Atochem North America, Inc.</i>					
	Azathioprine	(¹)	(¹)	(¹)		
	<i>Burroughs Wellcome Co.</i>					
	Diiodomethyl-p-tolylsulfone	(¹)	(¹)	(¹)		
	<i>Angus Chemical Co.</i>					
	Diphenyldisulfide	(¹)	(¹)	(¹)		
	<i>Parish Chemical Co.</i>					
	1,2-Diphenylmercaptoethane	(¹)	(¹)	(¹)		
	<i>Chemdesign Corp.</i>					
	Disulfuram	(¹)	V	(¹)		
	<i>Abbott Laboratories</i>					
	p,p'-Oxybis(benzenesulfonylhydrazide)	(¹)	(¹)	Pf		
	<i>Uniroyal Chemical Co., Inc.</i>					
	Phenol-sulfonated formaldehyde rosin	(¹)	(¹)	(¹)		
	<i>Hoechst Celanese Corp., Sou Tex Works</i>					
	Probutol	(¹)	(¹)	(¹)		
	<i>Dow Chemical Co.</i>					
	4,4'-Thiobis(6-t-butyl-m-cresol)	(¹)	(¹)	(¹)		
	<i>James River II, Inc.</i>					
	4,4'-Thio-bis(6-t-butyl-o-cresol)	(¹)	(¹)	(¹)		
	<i>Ethyl Corp.</i>					
	Thiocarbamide (Diphenylthiourea)	(¹)	(¹)	(¹)		
	<i>Cytec Industries</i>					
	Residual Total	2,756	2,540	20,438		8.05
29309030	Thiocyanates, thiurams and isothiocyanates	(¹)	(¹)	(¹)		
	2-(2-Butoxyethoxy)ethyl thiocyanate	(¹)	(¹)	(¹)		
	<i>Rhone Poulenc, Inc.</i>					
	Methylenebis(thiocyanate)	(¹)	(¹)	(¹)		
	<i>Vine/and Chemical Co., Inc.</i>					
	S-Methyl-N-Umethylcarbamoyloxy]thioacetimidate (Methomyl)	(¹)	(¹)	(¹)		
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>					
	2-Methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyloxime (Aldicarb)	(¹)	(¹)	(¹)		
	<i>Rhone Poulenc, Inc.</i>					
	N,Ne-thiobis-(methyliminolcarbonyloxy bis ethanimidothiate	(¹)	(¹)	(¹)		
	<i>Rhone Poulenc, Inc.</i>					
	Residual Total	(¹)	(¹)	(¹)		
29309040	Nonaromatic pesticides of organo-sulfur compounds, nesi	(¹)	(¹)	(¹)		
	Disodium cyanodithioimidocarbonate	(¹)	(¹)	(¹)		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29309040 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Buckman Laboratories, Inc.</i>				
	2-Hydroxyethyl n-octyl sulfide <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	Methyl N',N'-dimethyl-N-Umethylcarbamoxy]-1-thiooxamidate <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept. Great Lakes Chemical Corp.</i>	(1)	(1)	(1)	
	Rodenticides, acyclic, all other <i>Tull Chemical Co., Inc.</i>	(1)	(1)	(1)	
	N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide (Captan) <i>Company not disclosed</i> <i>Company not disclosed</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29309045 Nonaromatic organo-sulfur acids, nesi		(1)	(1)	(1)	
	Dithiodiglycolic acid <i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29309050 Nonaromatic organo-sulfur compounds nesi		324,814	176,766	246,047	\$ 1.39
	Allyl disulfide <i>International Flavors & Fragrances, Inc.</i>	(1)	(1)	(1)	
	2-Aminoethyl mercaptoacetate (Monoethanolamine thioglycolate) <i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>	(1)		(1)	
	Ammonium mercaptoacetate <i>C.N.C. International, Inc.</i> <i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics Witco Corp.</i>	(1)		(1)	
	Bis(dibutylthiocarbamoyl) disulfide <i>Company not disclosed</i>	(1)	(1)	(1)	
	n-Butyl mercaptan (1-Butanethiol) <i>Elf Atochem North America, Inc.</i> <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	sec-Butyl mercaptan (2-Butanethiol) <i>Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.</i> <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	tert-Butyl mercaptan (2-Methyl-2-propanethiol) <i>Elf A tochem North America, Inc.</i> <i>Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.</i> <i>Phillips 66 Co.</i>	6,356	(1)	(1)	
	n-Butyl mercaptopropionate <i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>	(1)	(1)	(1)	
	Cyclohexyl mercaptan <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	n-Decyl mercaptan <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	Di-tert-butyl disulfide <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	Diethyl sulfide (Ethyl sulfide) <i>Elf Atochem North America, Inc.</i> <i>Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.</i> <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	1,3-Diethyl-2-thiourea <i>Elf Atochem North America, Inc.</i>	(1)	(1)	(1)	
	Dilauryl-3,3'-thiodipropionate <i>Morton International, Inc., Specialty Chemicals Products</i> <i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i> <i>Witco Corp.</i>	580	547	2,107	3.86

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit
			Quantity	Value	value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29309050 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Dimethyl disulfide	(¹)	(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	Dimethyl sulfide	(¹)	(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Gaylord Chemical Corp.</i>				
	Dimethyl sulfone	(¹)	(¹)	(¹)	
	<i>James River 11, Inc.</i>				
	N,N'-Dioctadecyl-N,N'-diisopropyl thiuram disulfide	(¹)	(¹)	P1	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Di-N,N'-pentamethylenethiuram tetrasulfide	(¹)	(¹)	(¹)	
	<i>Vanderbilt Chemical Corp. (Murray, KY)</i>				
	Distearyl-3,3'-thiodipropionate	2,470	2,356	9,220	\$ 3.91
	<i>Cytec Industries</i>				
	<i>Morton International, Inc., Specialty Chemicals Products</i>				
	<i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>				
	<i>Witco Corp.</i>				
	Dithiobis(stearyl propionate)	(¹)	(¹)	(¹)	
	<i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>				
	Dithiodipropionic acid	(¹)	(¹)	(¹)	
	<i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>				
	Di(tridecyl)-3,3'-thiodipropionate	(¹)	(¹)	(¹)	
	<i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>				
	<i>Witco Corp.</i>				
	Diyl/diol/mercapto/etc/ether	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	Docusate, potassium	(¹)	(¹)	P)	
	<i>Cytec Industries</i>				
	Docusate, sodium	(¹)	(¹)	(¹)	
	<i>Cytec Industries</i>				
	tert-Dodecyl mercaptan, ethoxylated	(9	(¹)	(¹)	
	<i>Ethox Chemicals, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	n-Dodecyl mercaptans	(¹)	(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	Ethyl mercaptan (Ethanethiol)	(¹)	(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.</i>				
	<i>Phillips 66 Co.</i>				
	Glyceryl monothioglycolate	(¹)	(¹)	(¹)	
	<i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>				
	n-Hexyl mercaptan	(9	(¹)	(¹)	
	<i>Phillips 66 Co.</i>				
	Hydrocarbon derivatives: all other hydrocarbon derivatives	PI	(¹)	(¹)	
	<i>Phillips 66 Co.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Isodecyl mercaptoacetate	(¹)	(¹)	(¹)	
	<i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>				
	Iso-octyl mercaptoacetate	(¹)	(¹)	(¹)	
	<i>Morton International, Inc., Specialty Chemicals Products</i>				
	<i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>				
	Iso-octyl-3-mercaptopropionate	(¹)	P1	(¹)	
	<i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>				
	Isopropyl mercaptan (2-Propanethiol)	1,119	(¹)	(¹)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29309060 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Phillips 66 Co.				
	Mercaptoacetic acid (Thioglycolic acid)	(1)	(1)	(1)	
	W R Grace & Co., Organic Chemicals Div., Evans Chemetics				
	2-Mercaptoethanol	(1)	(1)	(1)	
	Morton International, Inc.,				
	Morton International, Inc., Morton Chemical Div.				
	Rhone Poulenc, Inc.				
	3-Mercapto-1,2-propanediol (Thioglycerol)	(1)	(1)	(1)	
	W R Grace & Co., Organic Chemicals Div., Evans Chemetics				
	3-Mercaptopropionic acid	(1)	(1)	(1)	
	W R Grace & Co., Organic Chemicals Div., Evans Chemetics				
	Witco Corp.				
	Mercaptosuccinic acid (Thiomalic acid)	(1)	(1)	(1)	
	W R Grace & Co., Organic Chemicals Div., Evans Chemetics				
	Methane sulfonamide	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	Methyl ethyl sulfide	(1)	(1)	(1)	
	Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.				
	Methyl mercaptan (Methanethiol)	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	Methyl sulfoxide (Dimethyl sulfoxide)	(1)	(1)	(1)	
	Gaylord Chemical Corp.				
	N-Methyl taurine, sodium salt (2-Methyl-2-aminoethanesulfonic acid, sodium salt)	(1)	(1)	(1)	
	Rhone Poulenc, Inc.				
	tert-Nonyl mercaptan	(1)	(1)	(9)	
	Elf Atochem North America, Inc.				
	n-Octyldecyl mercaptan	(1)	(1)	(1)	
	Phillips 66 Co.				
	n-Octyl mercaptan	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	Phillips 66 Co.				
	tert-Octyl mercaptan	PI	(1)	(1)	
	Phillips 66 Co.				
	N-Oxydiethylene-2-benzothiazolesulfenamide	(1)	(1)	(1)	
	B F Goodrich Co.				
	Uniroyal Chemical Co., Inc.				
	Pentaerythritol tetrakis (3-Mercaptopropionate)	(1)	(1)	(1)	
	WR Grace & Co., Organic Chemicals Div., Evans Chemetics				
	n-Propyl mercaptan (1-Propanethiol)	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	Phillips 66 Co.				
	Sodium mercaptoacetate	(1)	(1)	(1)	
	W R Grace & Co., Organic Chemicals Div., Evans Chemetics				
	Sodium p-sulfophenylmethallyl ether	(1)	(1)	(1)	
	Salsbury Chemicals, Inc.				
	2,2'-Thiodiethanol (Thiodiglycol)	(1)	(1)	(1)	
	Morton International, Inc.,				
	Rhone Poulenc, Inc.				
	3,3'-Thiodipropionic acid	(1)	(1)	(1)	
	W R Grace & Co., Organic Chemicals Div., Evans Chemetics				
	Thiodisuccinic acid	(1)	(1)	(1)	
	WR Grace & Co., Organic Chemicals Div., Evans Chemetics				
	Thiophane (Tetrahydrothiophene)	(1)	(1)	(1)	
	Dixie Chemical Co., Inc.				
	Elf Atochem North America, Inc.				
	Helmerich & Payne, Inc., Natural Gas Odorizing, Inc.				
	Trimethylolpropane tris-3-mercaptopropionate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29309050 —Continued					
<i>Chemical description/Manufacturer —Continued</i>					
	<i>W R Grace & Co., Organic Chemicals Div., Evans Chemetics</i>				
	Xanthates and sulfides, acyclic, other	(1)	(1)	(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	314,290	173,863	211,258	\$ 1.22
293090XX	HTS Level Residual Total	26,739	12,597	115,010	9.13
2931	Other organo-inorganic compounds	676,895	171,129	1,180,324	6.90
293100	Other organo-inorganic compounds	676,895	171,129	1,180,324	6.90
29310022	Drugs of aromatic organo-inorganic (except organo-sulfur) compounds			(1)	
	Arsanilic acid	(1)	(1)	(1)	
	<i>Fleming Laboratories, Inc.</i>				
	Nitarsons	(1)	(1)	(1)	
	<i>Salsbury Chemicals, Inc.</i>				
	Roxarsone	(1)	(1)	(1)	
	<i>Salsbury Chemicals, Inc.</i>				
	Roxarsone, sodium	(1)	(1)	(1)	
	<i>Salsbury Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29310025	Pesticides of aromatic organo-inorganic (except organo-sulfur) compounds	(1)	(1)	(1)	
	2-(Chloroethyl)phosphonic acid	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	14-(2,4-Dichlorophenyl)4-propyl-1,3-dioxolan-2-ylmethyl-1H-1,2,4-triazole	(1)	(1)	(1)	
	<i>Zeneca, Inc., Agricultural Chemicals Div.</i>				
	Distinnaxane, hexakis(2-methyl-2-phenylpropyl)	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	Organophosphorus insecticides, cyclic, all other	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Rhone Poulenc, Inc.</i>				
	0,0'-(Thiodi-4,1-phenylene)bis(o,o-dimethyl phosphorothioate (Temphos))	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
29310030	Aromatic organo-inorganic compounds, nesi, described in additional U.S. note 3 to section VI	(1)	(1)	(1)	
	Bis(triphenylsilyl)chromate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Bornyl phenylamine	(1)	(1)	(1)	
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	Triaryl phosphites	(1)	(1)	(1)	
	<i>General Electric Co., Speciality Chemical group</i>				
	Residual Total	(1)	(1)	(1)	
29310040	Aromatic organo-inorganic compounds, nesi	(1)	(1)	(1)	
	3-Aminophenylphosphonic acid	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Benzenephosphonic acid	(1)	(1)	(1)	
	<i>Ferro Corp., Grant Chemical Div.</i>				
	Dichlorodiphenylsilane	(1)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	Dichloromethylphenylsilane	(1)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	Residual Total	(1)	(1)	0)	
29310050	Nonaromatic organo-inorganic compounds, nesi	663,739	164,892	1,132,084	6.87
	Acetylacetonates, all other	(1)	(1)	(1)	
	<i>Mackenzie Chemical Works, Inc.</i>				
	<i>Shepherd Chemical Co.</i>				
	Aluminum acetylacetonate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit
			Quantity	Value	value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29310050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Mackenzie Chemical Works, Inc.</i>				
	Aluminum [1,3-butanedialato(21-0,0Tethy1-3-oxobutanoato-01,03-hydroxy T-4	(¹)	(¹)	(¹)	
	<i>Chattem, Inc.</i>				
	Aluminum di-sec-butoxide acetoacetic ester chelate	(¹)	(¹)	(¹)	
	<i>Chattem, Inc.</i>				
	Aluminum diisobutoxy ethyl acetoacetate	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Aluminum diisopropoxide acetoacetic ester chelate	(¹)	(1)	(1)	
	<i>Chattem, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Aluminum isoctoxide, diisopropoxide	(1)	(¹)	(¹)	
	<i>Rhone Poulenc, Inc.</i>				
	Aluminum isopropoxide (Aluminum isopropylate)	(1)	(¹)	(¹)	
	<i>Chattem, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	N-Aminoethylaminopropyl trimethoxysilane	(¹)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	<i>Huls America, Inc.</i>				
	Bis(ethyl1-3-oxobutanato)bis(2-propanolato) titanium	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Butyl ethyl magnesium	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Carboplatin	(1)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	<i>Johnson Matthey, Materials Technology Div.</i>				
	Chloromethyldimethylchlorosilane	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Chloropropyltrimethoxysilane	(¹)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	<i>Huls America, Inc.</i>				
	Chlorosilanes, crude	(1)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	Chlorotrimethylsilane	(1)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	Cobaltic acetylacetonate	(1)	(1)	(1)	
	<i>Shepherd Chemical Co.</i>				
	N-Cocoalkyl-1,3-propylenediamine acetate	(P)	(1)	(1)	
	<i>Company not disclosed</i>				
	Cyclic silizane	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Di-n-butylmagnesium	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Dibutyltin bis(butylmaleate)	(1)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	Dibutyltin bis(isooctylmercaptoacetate)	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Witco Corp.</i>				
	Dibutyltin bis(mercaptolaurate)	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	Dibutyltin carboxylates	(9)	(1)	(1)	
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	Dibutyltin dichloride	(1)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Witco Corp.</i>				
	Dibutyl tin dilaurate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29310060 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	Dibutyltin dilaurate	(¹)	(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Witco Corp.</i>				
	Dibutyltin oxide		(1)	(1)	
	<i>Elf Atochem North America, Inc.</i>				
	<i>Witco Corp.</i>				
	Dichlorodimethylsilane	(¹)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	Dichloromethylsilane	(¹)	(¹)	(¹)	
	<i>Dow Corning Corp.</i>				
	Dichloromethylvinylsilane	(1)	(1)	(1)	
	<i>Dow Corning Corp.</i>				
	PCR, Inc.				
	Dicresylphosphorodithioic acid	(¹)	(1)	(1)	
	<i>Cytec Industries</i>				
	Dicyclopentadienylchromium (Chromocene)	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	Diethylaluminum chloride	(1)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Ethyl Corp.</i>				
	Diethylaluminum iodide	(1)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Ethyl Corp.</i>				
	(Diethylenetriamine)pentamethylenephosphonic acid	(1)		(1)	
	<i>Company not disclosed</i>				
	<i>Mayo Chemical Co., Inc.</i>				
	(Diethylenetriamine)pentamethylenephosphonic acid, sodium salt	(¹)	(1)	(¹)	
	<i>Mayo Chemical Co., Inc.</i>				
	Diethylzinc	(1)	(1)		
	<i>Akzo Chemicals, Inc.</i>				
	Di-n-hexyl magnesium	(1)	(1)		
	<i>Akzo Chemicals, Inc.</i>				
	Dihydroxyaluminum aminoacetate	(¹)	(¹)	(¹)	
	<i>Chattem, Inc.</i>				
	Di(hydroxy)bis(ammonium)lactatoltitanium		(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Diisobutylaluminum chloride		(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Ethyl Corp.</i>				
	Diisobutylaluminum hydride	(1)	(1)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	Diisobutylaluminum oxide	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Diisobutyl dimethoxychloro silane	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	3-(Dimethoxyphosphinyloxy)-N,N-dimethyl-cis-crotonamide	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	O,S-Dimethylacetylphosphoramidothioate (Acephate)	(1)	(¹)	(¹)	
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	O,S-Dimethyl phosphoramidothioate	(¹)	(¹)	(¹)	
	<i>Miles, Inc., Agricultural Chemicals Div.</i>				
	Dimethyltin dichloride	(1)		(1)	
	<i>Witco Corp.</i>				
	Dimethyltin-IOTG	(1)	(1)	(¹)	
	<i>Witco Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29310050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Dimethylvinyl chlorosilane <i>PCR, Inc.</i>	(1)	(1)	(1)	
	Di-n-octylaluminum iodide <i>Akzo Chemicals, Inc.</i>	(1)	(9)	(1)	
	Di-n-propylaluminum chloride <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Divinyltetramethyldisilazane <i>PCR, Inc.</i>	(1)	(1)	(1)	
	Divinyl tetramethyldisiloxane <i>Company not disclosed</i> <i>Huls America, Inc.</i>	(1)	(1)	(1)	
	Ester tin mercaptoesters <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Ethylaluminum dichloride <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Ethylaluminum sesquichloride <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	o-Glycidoxypropyltrimethoxysilane <i>Huls America, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Hexamethyldisilazane <i>Dow Corning Corp.</i> <i>Huls America, Inc.</i> PCR, Inc.	1,285	(1)	(1)	
	Hexamethyldisiloxane PCR, Inc.	(1)	(1)	(1)	
	Hexamethylenediaminetetra(methylenephosphonic acid), potassium salt <i>Mayo Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Hexyltrichlorosilane <i>Company not disclosed</i>	(1)	(1)	(1)	
	Hydroxyethane-1-diphosphonic acid <i>Buckman Laboratories, Inc.</i> <i>Mayo Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Hydroxyethylidene diphosphonic acid, potassium salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	Hydroxyethylidene diphosphonic acid, sodium salt <i>Company not disclosed</i> <i>Mayo Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Isobutylaluminum <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Isobutyltrimethoxysilane <i>Dow Corning Corp.</i> <i>Huls America, Inc.</i> PCR, Inc.	156	(1)	(1)	
	Isopropenylaluminum <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Isopropyl borate <i>Anderson Development Co.</i>	(1)	(1)	(1)	
	Lithium hydroxystearate <i>Witco Corp.</i>	(1)	(1)	(1)	
	Mercaptopropyltrimethoxysilane <i>Huls America, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	o-Methacryloxypropyltrimethoxysilane <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Methanearsonic acid, monosodium salt (MSMA)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29310050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	ISK Biotech Corp.				
	Vine/and Chemical Co., Inc.				
	Methanesulfonic acid, zinc salt	(1)	(¹)	(¹)	
	<i>Pfister Chemical, Inc.</i>				
	Methyltrimethoxysilane and polymethyltrisiloxane	(1)	(¹)	(¹)	
	<i>Dow Corning Corp.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Methylvinyl cyclic siloxane	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Monoethanolamine borate	(1)	(¹)	(¹)	
	<i>E.F. Houghton & Co.</i>				
	Nitrilo-tris-methylene triphosphonic acid	(¹)	2,186	3,403	\$ 1.56
	<i>Buckman Laboratories, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Mayo Chemical Co., Inc.</i>				
	Nitrilo-tris-methylene triphosphonic acid, sodium salt	(¹)		(¹)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Mayo Chemical Co., Inc.</i>				
	Octyltin vinyl additives	(1)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Elf Atochem North America, Inc.</i>				
	<i>Morton International, Inc., Specialty Chemicals Products</i>				
	N-Octyltriethoxy silane	(¹)	(¹)		
	<i>PCR, Inc.</i>				
	Organo-boron compounds, all other	(1)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	Organo-nickel compounds	(¹)	(¹)	(¹)	
	<i>Ferro Corp., Bedford Chemical Div.</i>				
	Organo-silicone compounds, all other	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Huls America, Inc.</i>				
	<i>Regis Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Organo-tin compounds, all other	(1)	(¹)	(¹)	
	<i>PCR, Inc.</i>				
	Organo-zinc compounds, all other	(¹)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	Oxoaluminum benzoate/2-ethylhexanoate	(1)	(¹)	(¹)	
	<i>Rhone Poulenc, Inc.</i>				
	Oxoaluminum isopropoxide	(¹)	(¹)	(¹)	
	<i>Chattem, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Phosphonic acid, (1-hydroxy ethylidene)bis compounded with 2-aminomethanol	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	2-Phosphonobutane-1,2,4-tricarboxylic acid, sodium salt		(¹)	(¹)	
	<i>Company not disclosed</i>				
	N-(Phosphonomethyl)glycine, isopropylamine salt	(1)	(¹)	(¹)	
	<i>Monsanto Co., Agricultural Group</i>				
	Plant growth regulators, acyclic, all other	(1)	(¹)	(¹)	
	<i>Uniroyal Chemical Co., Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29310060 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Polyol aluminum chelate <i>Sequa Chemicals, Inc.</i>	(1)	(1)	(1)	
	Potassium 2-methyl-2-propanol <i>Company not disclosed</i>	(1)	(1)	(1)	
	Sulfur compounds, all other <i>Company not disclosed</i> <i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i> <i>Ethyl Corp.</i> <i>Ferro Corp., Keil Chemical Div.</i> <i>Quaker Chemical Corp.</i>	(1)	5,848	9,943	\$ 1.70
	Tetraethyl lead <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	Tetramethyldisiloxane <i>PCR, Inc.</i>	(1)	(1)	(1)	
	Titanium acetylacetonate <i>Huls America, Inc.</i>	(1)	(1)	(1)	
	Tri-n-butylaluminum <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Trichloromethylsilane <i>Dow Corning Corp.</i>	(1)	(1)	(1)	
	Trichloropropylsilane <i>Dow Corning Corp.</i>	(1)	(1)	(1)	
	Trichlorovinylsilane <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Triethylborane <i>Company not disclosed</i>	(1)	(1)	(1)	
	Trimethylaluminum <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Trimethyl borate <i>Morton International, Inc. (Section XV)</i>	(1)	(1)	(1)	
	Tri-n-octylaluminum <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Tri-n-propylaluminum <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	Tris(2-methoxyethoxy)vinyl silane <i>Huls America, Inc.</i>	(1)	(1)	(1)	
	Tris(pentamethyldisiloxanyI)-3-methacrylatopropylsilane <i>Company not disclosed</i>	(1)	(1)	(1)	
	Vinylmethyldichlorosilane <i>Company not disclosed</i>	(1)	(1)	(1)	
	Vinyltriethoxysilane <i>Huls America, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Vinyl trimethoxy silane <i>Huls America, Inc.</i>	(1)	(1)	(1)	
	Zirconium compounds <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Residual Total	662,298	156,857	1,118,738	7.13
293100XX	HTS Level Residual Total	13,156	6,238	41,381	6.63
2932	Heterocyclic compounds with oxygen hetero-atoms only	(1)	108,481	518,301	4.78
293211	Tetrahydrofuran	96,488	51,928	105,218	2.03
29321100	Tetrahydrofuran	96,488	51,928	105,218	2.03
	Tetrahydrofuran <i>Atlantic Richfield Co., ARCO Chemical Co.</i> <i>BASF Corp (Parsippany, NJ)</i> <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	96,488	51,928	105,218	2.03

See endnotes at end of table.

Table 3 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29321100 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	00 Chemicals, Inc.				
293212	2-Furaldehyde (Furfuraldehyde)	(1)	(1)		
29321200	2-Furaldehyde (Furfuraldehyde)	(1)	(1)		
	2-Furaldehyde (Furfural)	(¹)	(¹)	(1)	
	QO Chemicals, Inc.				
	Quaker Oats Co.				
	Residual Total	(1)	(¹)	(¹)	
293213	Furfuryl alcohol and tetrahydrofurfuryl alcohol	(¹)	(¹)	(¹)	
29321300	Furfuryl alcohol and tetrahydrofurfuryl alcohol		(1)		
	Furfuryl alcohol	(1)		(1)	
	QO Chemicals, Inc.				
	Tetrahydrofurfuryl alcohol	(1)	(1)	(1)	
	00 Chemicals, Inc.				
	Residual Total	(1)	(1)	(¹)	
293219	Heterocyclic compounds containing an unfused furan ring in the structure, nesi	11,069	(1)	(1)	
29321910	Aromatic heterocyclic compounds with oxygen hetero-atom(s) only, containing an unfused furan ring, nesi	(1)	(1)		
	Furfuryl alcohol, ethoxylated		(1)	(1)	
	Karlshamns, USA				
	Hexahydro-1,3-isobenzofurandione	(1)	(¹)	(¹)	
	Buffalo Color Corp.				
	Hexahydro-5-methyl-1,3-isobenzofurandione	(1)	(¹)	(¹)	
	Buffalo Color Corp.				
	Residual Total	(¹)	(¹)	(1)	
29321950	Nonaromatic heterocyclic compounds with oxygen hetero-atom(s) only, containing an unfused furan ring, nesi	(¹)	(¹)		
	Acetylfuran	(1)	(1)	(¹)	
	00 Chemicals, Inc.				
	Dihydro-2,5-furandione		(¹)	(¹)	
	Buffalo Color Corp.				
	Dimethyl-3-oxo-2-pentylcyclopentane propanedioate	(1)	(1)		
	Company not disclosed				
	Di(tetrahydrofuryl)propane			(1)	
	00 Chemicals, Inc.				
	Furan	(1)	(¹)	(¹)	
	00 Chemicals, Inc.				
	Furanacrolein	(1)	(1)		
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Furan derivatives, all other	(1)	(1)		
	QO Chemicals, Inc.				
	Furfuryl amine		(1)	(1)	
	00 Chemicals, Inc.				
	Furoic acid	(¹)	(1)	(¹)	
	00 Chemicals, Inc.				
	Methyl tetrahydrofuran	(1)	(1)	(1)	
	00 Chemicals, Inc.				
	Residual Total	(¹)	(1)		
293219XX	HTS Level Residual Total	11,069		(¹)	
293221	Coumarin, methylcoumarins and ethylcoumarins	(1)	(1)	(1)	
29322100	Coumarin, methylcoumarins and ethylcoumarins		(¹)	(¹)	
	Coumarin	(¹)	(¹)	(¹)	
	Rhone Poulenc, Inc.				
	Residual Total	(¹)	(1)	(1)	
293229	Lactones other than coumarin, methylcoumarin and ethylcoumarins	81,652	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29322910 Aromatic pesticides of lactones			(1)	(1)	
	3-(a-Acetylbenzyl)-4-hydroxycoumarin (Warfarin)	(1)	(1)	(1)	
	<i>Motomco, Ltd.</i>				
	Gibberellic acid	(1)	(1)	(1)	
	<i>Abbott Laboratories</i>				
	Residual Total	(1)	(1)	(1)	
29322920 Aromatic drugs of lactones		(1)	(1)	(1)	
	Lovastatin	(1)	(1)	(1)	
	<i>Merck & Co., Inc.</i>				
	Monesin	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	Potassium warfarin	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Spirolactone	(1)	(1)	(1)	
	<i>G.D. Searle & Co.</i>				
	Residual Total	(1)	(1)	(1)	
29322930 Aromatic lactones, nesi, described in additional U.S. note 3 to section VI		(1)	(1)	(1)	
	Caprolactone	(1)	(1)	(1)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Dihydrocoumarin		(1)	(1)	
	<i>Arsynco, Inc., Sub, of Aceto Corp</i>				
	Hydrocoumarin	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	<i>Givaudan Corp.</i>				
	4-Hydroxynonanonic acid, γ -lactone (γ -Nonalactone)	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	2-(1-Hydroxypentyl)-cyclopentanone	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	4-Hydroxyundecanoic acid, γ -lactone (γ -Undecalactone)	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	2-Pentyl-cyclopenten-1-one	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
29322950 Nonaromatic lactones		69,025	(1)	(1)	
	Butyrolactone	(1)	(1)	(1)	
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>ISP Chemicals, Inc.</i>				
	Diketene	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Lonza, Inc.</i>				
	Isoascorbic acid (Erythorbic acid)	(1)	(1)	(1)	
	<i>Pfizer, Inc.</i>				
	Trioxsalen	(1)	(1)	(1)	
	<i>Regis Chemical Co.</i>				
	Residual Total	69,025	(1)	(1)	
293229XX HTS Level Residual Total		12,627	(1)	(1)	
293290 Heterocyclic compounds with oxygen hetero-atom(s) only, nesi		31,272	(1)	(1)	
29329020 Aromatic pesticides of heterocyclic compounds with oxygen hetero-atom(s) only, neat		(1)	(1)	(1)	
	3-13-(4'-Bromon ,1'-biphenyl-4-yl)-1,2,3,4-tetrahydro-1-naphthalenyl-4-hydroxy-2H-1-benzopyran-2-one	(1)	(1)	(1)	
	<i>Motomco, Ltd.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29329020 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Zeneca, Inc., Agricultural Chemicals Div.				
	2,3-Dihydro-2,2-dimethyl-1-7-benzofuranyl (dibutylamino)thiolmethyl carbamate FMC Corp., Agricultural Chemical Group Ruetgers Nease Chemical Co.	(1)	(1)	(1)	
	2,3-Dihydro-2,2-dimethyl-1-7-benzofuranyl methylcarbamate FMC Corp., Agricultural Chemical Group	(1)	(1)	(1)	
	2-Diphenylacetyl-1,3-indandione and sodium salt Motomco, Ltd.	(1)	(1)	(1)	
	2-Pivaloyl-1,3-indandione (Pindone) Motomco, Ltd.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29329041 Aromatic heterocyclic compounds with oxygen hetero-atom(s) only, nesi, described in additional U.S. note 3 to section VI					
	3-Hydroxy-2-ethyl-4-pyrone (Ethylmaltol) Pfizer, Inc.	(1)	(1)	(1)	
	3-Hydroxy-2-methyl-4-pyrone (Maltol) Pfizer, Inc.	(1)	(1)	(1)	
	Simvastatin Merck & Co., Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29329045 Aromatic heterocyclic compounds with oxygen hetero-atom(s) only, nesi					
	2,3-Dihydro-7-hydroxy-2,2-dimethylbenzofuran FMC Corp., Agricultural Chemical Group	(1)	(1)	(1)	
	Doxepin hydrochloride Pfizer Pharmaceuticals, Inc.	(1)	(1)	(1)	
	Rose oxide Givaudan Corp.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29329050 Nonaromatic heterocyclic compounds with oxygen hetero-atom(s) only, nesi					
	6-Acetoxy-2,4-dimethyl-1,3-dioxane Company not disclosed Givaudan Corp.	(1)	(1)	(1)	
	Dioxane (1,4-Diethylene oxide) Ferro Corp., Grant Chemical Div.	(1)	(1)	(1)	
	1,3-Dioxepane Ferro Corp., Grant Chemical Div.	(1)	(1)	(1)	
	1,3-Dioxolane Ferro Corp., Grant Chemical Div.	(1)	(1)	(1)	
	Isophorone diisocyanate Olin Corp. <i>lii, iii, viii, ix, xii, xiv, xv</i>	(1)	(1)	(1)	
	7-Oxabicyclo-12.2.11-heptane-2,3-dicarboxylic acid, disodium salt (Endothall) Elf Atochem North America, Inc.	(1)	(1)	(1)	
	Trioxane Ultraform Co.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
293290XX	HTS Level Residual Total	31,272	(1)	(1)	
2932XX	HTS Level Residual Total		39,158	293,128	\$ 7.49
2933	Heterocyclic compounds with nitrogen hetero-atom(s) only; nucleic acids and their salts	1,150,009	483,041	2,381,694	4.93
293319	Compounds containing an unfused pyrazole ring in the structure, nesi	(1)	(1)	(1)	
29331935	Aromatic or modified aromatic drugs of heterocyclic compounds with nitrogen hetero-atom(s) only cont. unfused pyrazole ring			(1)	

See endnotes at and of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29331935 — Continued					
	Dichloralphenazone <i>Arenol Chemical Corp.</i>		(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29331940	Aromatic heterocyclic compounds with nitrogen hetero-atom(s) only cont. unfused pyrazole ring in add. U.S. note 3, sec. VI	(1)	(1)	(1)	
	Benzyl(alkylpyridinium)chloride <i>Company not disclosed</i>	(1)	(1)	(1)	
	N-Morpholinyl-2-benzothiazolyl disulfide <i>Goodyear Tire & Rubber Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29331945	Nonaromatic drugs of heterocyclic compounds with nitrogen hetero-atom(s) only containing an unfused pyrex(*) ring	(1)	(1)	(1)	
	Captopril <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
293321	Hydantoin and its derivatives	(1)	(1)	(1)	
29332100	Hydantoin and its derivatives	(1)	(1)	(1)	
	Bromochloro-5,5'-dimethyl hydantoin <i>Great Lakes Chemical Corp.</i> <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	1,3-Dichloro-5,5-dimethylhydantoin <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	5,5-Dimethylhydantoin <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Ethotoin <i>Abbott Laboratories</i>	(1)	(1)	(1)	
	Hydroxymethyl-5,5-hydantoin <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Phenytoin <i>Parke Davis Div. of Warner Lambert, Inc.</i>	(1)	(1)	(1)	
	Phenytoin, sodium <i>Parke Davis Div. of Warner Lambert, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(9)	(1)	(1)	
293329	Compounds containing an unfused imidazole ring in the structure, nesi	(1)	(1)	(1)	
29332920	Aromatic or modified aromatic drugs of heterocyclic compounds with nitrogen hetero-atom(s) only cont. an unfused imidazole ring	(1)	(1)	(1)	
	Naphazoline hydrochloride <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29332930	Aromatic/mod. atom. heterocyclic compounds with Nhetero-atom(s) only nesi, cont. unfused imidazole ring, as in add. U.S. note 3, sec. VI	(1)	(1)	(1)	
	1-(2-Aminoethyl)-2-naphthenyl-2-imidazole <i>Company not disclosed</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29332940	Aromatic or modified aromatic heterocyclic compounds with nitrogen hetero-atom(s) only cont. an unfused imidazole ring, nesi	(1)	(1)	(1)	
	1,1-Bis(carboxymethyl)-2-undecyl-2-imidazolium hydroxide, disodium salt <i>Piedmont Chemical Industries, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29332950	Nonaromatic heterocyclic compounds with nitrogen hetero-atom(s) only, containing an unfused imidazole ring, need	1,809	(¹)	(1)	
	Alkyl imidazoline <i>Quaker Chemical Corp.</i>	(¹)	(¹)	(¹)	
	1-(2-Aminoethyl)-2-nor(tall oil alkyl)-2-imidazoline <i>Company not disclosed</i> <i>Witco Corp.</i>		(1)	(1)	
	1,3-Dichloro-5-ethyl-5-methyl-2,4-imidazolidinedione <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	2,4-Imidazolidenedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl- <i>Lonza, Inc.</i>	(1)	(1)		
	Imidazolidinedione, 1,3-bis(2-hydroxyethyl)-5,5-dimethyl- <i>Lonza, Inc.</i>	(¹)	(1)	(1)	
	2,4-Imidazolidinedione, 5,5-dimethyl-formaldehyde polymer <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Residual Total	1,809		(¹)	
293331	Pyridine and its salts		(1)		
29333100	Pyridine and its salts	(1)		(1)	
	Pyridine hydrochloride <i>R.S.A. Corp.</i> <i>Zeeland Chemical, Inc.</i>	(1)		(1)	
	Pyridine, refined all other grades <i>Reilly Industries, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(¹)	(¹)	(¹)	
293339	Compounds containing an unfused pyridine ring in the structure, nesi	(¹)		(¹)	
29333910	Collidines, lutidines and picolines			(1)	
	2,6-Lutidine <i>Reilly Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Picoline (3,4-mixture) <i>Reilly Industries, Inc.</i>	(¹)	(¹)	(¹)	
	2-Picoline (α-Picoline) <i>Reilly Industries, Inc.</i>		(1)	(1)	
	3-Picoline (fl-Picoline) <i>Reilly Industries, Inc.</i>		(¹)		
	4-Picoline (γ-Picoline) <i>Reilly Industries, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(¹)		(¹)	
29333920	p-Chloro-2-benzylpyridine & other specified heterocyclic compounds, w Nhetero-atomis) only cont. an unfused pyridine ring		(¹)	(¹)	
	4-Phenylpropylpyridine <i>Reilly Industries, Inc.</i>	(¹)		(¹)	
	Residual Total		(¹)	(¹)	
29333923	o-Paraquat dichloride		(1)	(1)	
	1,1-Dimethylpiperidinium chloride <i>BASF Corp (Parsippany, NJ)</i>		(¹)	(¹)	
	Residual Total	(1)	(1)	(1)	
29333925	Herbicides nesi, of heterocyclic compounds with nitrogen hetero-atom(s) only, containing an unfused pyridine ring		(1)	(1)	
	4-Amino-3,5,6-trichloropicolinic acid (Picloram) <i>Dow Chemical Co.</i>		(1)	(1)	
	2-Chloro-6-(trichloromethyl)pyridine	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29333926 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Dow Chemical Co.				
	3,6-Dichloropicolinic acid	(¹)	(¹)	(¹)	
	Dow Chemical Co.				
	0,0-Diethyl 0-3,5,6-trichloro-2-pyridyl phosphorothioate	(¹)	(¹)	(¹)	
	Dow Chemical Co.				
	3,5,6-Trichloro-2-pyridinyloxyacetic acid	(¹)	(¹)	(¹)	
	Dow Chemical Co.				
	Residual Total	(¹)	(¹)	(¹)	
29333927	Pesticides nesi, of heterocyclic compounds with nitrogen hetero-atom(s) only, containing an unfused pyridine ring	(¹)		(¹)	
	Di-n-propylisocinchomeronate	(¹)	(¹)	(¹)	
	Mclaughlin Gormley King Co.				
	5-Vinyl-2-picoline (MVP)	(¹)	(¹)	CI	
	Parke Davis Div. of Warner Lambert, Inc.				
	2-Vinylpyridine	(¹)	(¹)	(¹)	
	Reilly Industries, Inc.				
	4-Vinylpyridine	(¹)	(¹)	(¹)	
	Reilly Industries, Inc.				
	Residual Total	(¹)	(¹)	(¹)	
29333930	Psychotherapeutic agents of heterocyclic compounds with nitrogen hetero-atom(s) only, containing an unfused pyridine ring		(¹)		
	Glutethimide	(¹)	(¹)	(¹)	
	Ganes Chemicals, Inc.				
	Methylphenidate hydrochloride	(¹)	(¹)	(¹)	
	Ciba Geigy Corp.				
	Residual Total	(¹)	(¹)	(¹)	
29333937	HTS Level Residual Total	697	199	19,649	\$ 98.66
	Amiloride hydrochloride		(¹)	(¹)	
	Merck & Co., Inc.				
	Amlodipine	(¹)	(¹)	(¹)	
	Pfizer Pharmaceuticals, Inc.				
	Brompheniramine maleate	(¹)	(¹)	(¹)	
	B.I. Chemicals, Inc.				
	Cetylpyridinium chloride	(¹)	(¹)	(¹)	
	Zeeland Chemical, Inc.				
	Chlorpheniramine maleate	(¹)	(¹)	(¹)	
	Lonza, Inc.				
	Chlorpheniramine tannate		(¹)	(¹)	
	Ganes Chemicals, Inc.				
	Cyproheptadine hydrochloride		(¹)	(¹)	
	Merck & Co., Inc.				
	Dexbrompheniramine maleate	(¹)	(¹)	(¹)	
	Company not disclosed				
	Dimethindene maleate	(¹)	(¹)	(¹)	
	Ciba Geigy Corp.				
	Diphenoxylate	(¹)	(¹)	(¹)	
	Mallinckrodt Speciality Chemicals Co.				
	Diphenylpyraline hydrochloride	(¹)	(¹)	(¹)	
	Lonza, Inc.				
	Disopyramide phosphate		(¹)	(¹)	
	G.D. Searle & Co.				
	Doxylamine succinate	PI	(¹)	(¹)	
	Ganes Chemicals, Inc.				
	Fentanyl citrate		(¹)	(¹)	
	Johnson Matthey, Materials Technology Div.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29333937 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Flavoxate hydrochloride <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	Metyrapone <i>Ciba Geigy Corp.</i>	(¹)	(¹)	(¹)	
	Minoxidil <i>Upjohn Co. vi xiv xv)</i>	(¹)	(¹)	(¹)	
	Nifedipine <i>Pfizer Pharmaceuticals, Inc. Pfizer, Inc.</i>	(¹)	(¹)	(¹)	
	Pyridostigmine bromide <i>Hoffmann Laroche, Inc.</i>	(¹)	(¹)	(¹)	
	Pyridoxine <i>Hoffmann Laroche, Inc.</i>	(¹)	(¹)	(¹)	
	Pyrilamine tannate <i>Ganes Chemicals, Inc.</i>	01	(¹)	(¹)	
	Sulfentanil citrate <i>Johnson Matthey, Materials Technology Div.</i>	01	(¹)	01	
	Terfenadine <i>Dow Chemical Co. Ganes Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Tripelethamine <i>Ciba Geigy Corp.</i>	(¹)	(¹)	(¹)	
	Tripelethamine hydrochloride <i>Ciba Geigy Corp.</i>	(¹)	(¹)	(¹)	
	Triprolidine oxalate <i>Cycle Products Inc. (vi)</i>	01	(¹)	(¹)	
	Residual Total	697	199	19,649	\$ 98.66
29333947	Heterocyclic compounds mai, w/ nitrogen hetero-atomis) only, cont. unfused pyridine ring, described in add. US note 3, sec. VI	364	215	6,388	29.74
	2-Acetylpyridine <i>Reilly Industries, Inc.</i>	(¹)	(¹)	(¹)	
	1-Benzy1-4-phenylisonipecotonitrile <i>Sterling Drug, Inc., Sterling Organics Div.</i>	(¹)	(¹)	(¹)	
	2-Bromopyridine <i>Diaz Chemical Corp.</i>	(¹)	(¹)	(¹)	
	3,5-Dimethylpiperidine <i>Reilly Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Dodecyl pyridinium chloride <i>Twin Lake Chemical, Inc.</i>	(¹)	(¹)	(¹)	
	1-Ethylpiperidine <i>BASF Corp (Parsippany, NJ)</i>	(¹)	(¹)	(¹)	
	1-Formylpiperidine <i>Reilly Industries, Inc.</i>	01	01	01	
	Guanine <i>B.I. Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	1-Methyl-(2-hydroxyethyl)piperidine <i>Reilly Industries, Inc.</i>	(¹)	(¹)	(¹)	
	1-Methylpiperidine <i>BASF Corp (Parsippany, NJ) Reilly Industries, Inc.</i>	(¹)	(¹)	(¹)	
	2-Methylpiperidine <i>Reilly Industries, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	364	215	6,388	29.74
29333950	Heterocyclic compounds nesi, with nitrogen hetero-atom(s) only, containing an unfused pyridine ring	(^v)	(^v)	(¹)	
	Alkylpyridines, mixed <i>Reilly Industries, Inc.</i>	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29333960 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	2-Amino-3-methylpyridine Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	2-Amino-5-methylpyridine Reilly Industries, Inc.	(¹)	(¹)	01	
	2-Amino-6-methylpyridine Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	2-Aminopyridine Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	3-Aminopyridine Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	4-Aminopyridine Regis Chemical Co.	(¹)	(¹)	(¹)	
	2-Chloropyridine Olin Corp. viii, ix, xii, xiv, xv)	(¹)	(¹)	(¹)	
	3-Cyanopyridine Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	2,6-Diaminopyridine Regis Chemical Co. Reilly Industries, Inc.	01	(¹)	(¹)	
	3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine Reilly Industries, Inc.	01	(¹)	(¹)	
	1,3-Di-4-piperidylpropane Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	1-Dodecylpyridinium chloride Hickson Danchem Corporation Huntington Laboratories, Inc.	(¹)	(¹)	(¹)	
	2-Ethanolpyridine Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	Isonicotinic acid Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	Isonicotinonitrile Reilly Industries, Inc.	(¹)	(¹)	CI	
	3-Picolylamine Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	Pipecolic acid Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	Piperidine Air Products & Chemicals, Inc. Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	3-Propanolpyridine Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	3-Pyridinemethanol Reilly Industries, Inc.	(¹)	(¹)	(¹)	
	2 Pyridinethiol-1-oxide, sodium salt Olin Corp. iii, viii, ix, xii, xiv, xv)	(¹)	(¹)	(¹)	
	2 Pyridinethiol-1-oxide, zinc salt Olin Corp. viii, ix, xii, xiv, xv)	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	V)	
293339XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
293340	Compounds containing a quinoline or isoquinoline ring-system (whether or not hydrogenated), not further fused	17,612	13,742	89,067	6.48
29334010	Ethoxyquin (1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinoline)	(¹)	(¹)	(¹)	
	1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinoline (Ethoxyquin) Monsanto Co., Agricultural Group	(¹)	(¹)	(¹)	
	6-Ethoxy-12-dihydro-2,2,4-trimethyl quinoline	(¹)	(¹)	0)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29334010 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Monsanto Co.</i>				
	Residual Total	(1)	(1)	(1)	
29334020	5-Chloro-7-iodo-8-quinolinol (Iodochlorhydroxyquin); decoquinat; diiodohydroxyquin; and oxyquinoline sulfate	(1)	(1)	(1)	
	Oxyquinoline sulfate	(1)	(1)	(1)	
	<i>Napp Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
29334027	HTS Level Residual Total	52	(1)	(1)	
	Atracurium besylate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Dibucaine	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Hydroxychloroquine sulfate	(1)	(1)	(1)	
	<i>Sterling Drug, Inc. (Barceloneta)</i>				
	Mivacurium chloride	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Noscapine	(1)	(1)	(1)	
	<i>Mallinckrodt Speciality Chemicals Co.</i>				
	Oxyquinoline benzoate (benoxiquine)	(1)	(1)	(1)	
	<i>Napp Chemicals, Inc.</i>				
	Oxyquinoline citrate	(1)	(1)	(1)	
	<i>Napp Chemicals, Inc.</i>				
	Residual Total	52	(1)	(1)	
29334030	Pesticides of heterocyclic compounds with nitrogen hetero-atom(s) only, cont. a quinoline or isoquinoline ring-system, not further fused	(1)	(1)	(1)	
	2-4(6-Chloro-2-quinoxalinyloxy phenoxy propionil acid ethyl ester (Quizalofod ethyl)	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	Residual Total	(1)	(1)	(1)	
29334045	Heterocyclic compounds nesi, with Nhetero-atoms) only, cont. a quinoline or isoquinoline ring -system, described in add. US note 3, sec. VI	(1)	(1)	(1)	
	1,2-Dihydro-2,2,4-trimethylquinoline	(1)	(1)	(1)	
	<i>B F Goodrich Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Isobutylquinoline	(1)	(1)	(1)	
	<i>Elan Chemical Co.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
	Quinaldine	(1)	(1)	(1)	
	<i>Color Chem International Corp.</i>				
	<i>Reilly Industries, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
293340XX	HTS Level Residual Total	17,560	13,742	89,067	\$ 6.48
293351	Malonylurea (Barbituric acid) and its derivatives; salts thereof	(1)	(1)	(1)	
	Butalbital	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Phenobarbital	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Phenobarbital, sodium	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Secobarbital, sodium	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
293359	Compounds containing a pyrimidine ring or piperazine ring in the structure; nucleic acids and their salts, nesi	20,741	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29335910	Aromatic or modified aromatic herbicides of heterocyclic compounds with nitrogen hetero-atom(s) only, cont. a pyrimidine or piperazine ring				
	5-Bromo-3-sec-butyl-6-methyluracil (Bromacil) <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	3-tert-Butyl-5-chloro-6-methyluracil <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	a-Cyclopropyl-a-(p-methoxyphenyl)-5-pyrimidine methanol (Ancymidol) <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	Methyl 21[[[(4,6-dimethyl-2-pyrimidinyl)amino]carbonylamino]sulfonyl]benzoate <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29335915	Aromatic or modified aromatic pesticides nesi, of heterocyclic compounds with Nhetero-atom(s) only cont. a pyrimidine or piperazine ring				
	a-(2-Chlorophenyl)-a-14-chlorophenyl-5-pyrimidinemethanol <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	a-(2-Chlorophenyl)-a-(4-fluorophenyl)-5-pyrimidinemethanol <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	o-(2-(Diethylamino)-6-methyl (4-pyrimidinyl) o,o-dimethyl phosphorothioate <i>Company not disclosed</i>	(1)	(1)	(1)	
	0,0-Diethyl O-(2-isopropyl-4-methyl-6-pyrimidinyl) phosphorothioate (Diazinon) <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	5, 6-Dimethyl-2-dimethylamino-4-pyrimidinyl dimethyl carbamate <i>Nor Am Chemical Co.</i>	(1)	(1)	(1)	
	Ethyl 2-(4-chloro-6-methoxypyrimidin-2-yl)amino carbonyl amino sulfonyl benzoate (Chlorimuron ethyl) <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	Methyl 2-(4,6-dimethoxypyrimidin-2-yl)amino carbonyl amino sulfonyl methyl benzoate (Bensulfuron) (Londax) <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	a-(1-methylethyl-x-4-trifluore-methoxy phenyl)-5-pyrimidinemethan of (Flurprimidol) <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
	Diethylcarbamazine citrate <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	Trimethoprim <i>Burroughs Wellcome Co.</i>		(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29335936	HTS Level Residual Total	6,882	2,583	8,694	\$ 3.37
	Amprolium <i>Merck & Co., Inc.</i>	(1)	(1)	(1)	
	Cytarabine <i>Pfanstiehl Laboratories, Inc.</i> <i>Upjohn Co. (iii vi xiv xv)</i>	(1)	(1)	(1)	
	Flucytosine	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29336936 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Hoffmann Laroche, Inc.</i>				
	Ormetoprim	(1)	(¹)	(1)	
	<i>Hoffmann Laroche, Inc.</i>				
	Piperazine	(1)	(1)	(1)	
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Piperazine dihydrochloride	(¹)	(1)	(1)	
	<i>Fleming Laboratories, Inc.</i>				
	Piperazine hexahydrate	(¹)	(1)		
	<i>Bristol Myers Squibb Co.</i>				
	Piperazine hydrochloride	(1)	(1)		
	<i>Fleming Laboratories, Inc.</i>				
	Piperazine sulfate	(1)	(1)	(1)	
	<i>Fleming Laboratories, Inc.</i>				
	Residual Total	6,882	2,583	8,694	\$ 3.37
	Amobarbital, sodium	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Hydroxyzine pamoate	(¹)			
	<i>Napp Chemicals, Inc.</i>				
	Metharbital	(¹)	(1)	(1)	
	<i>Abbott Laboratories</i>				
	Pentobarbital	(¹)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Poly(oxy-1,2-ethanediyl)-a-carboxymethyl, w- (tridecyloxy), potassium salt	(1)	(1)	(1)	
	<i>Ganes Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
	Prazosin	(1)	(1)		
	<i>Abbott Laboratories</i>				
	Thiopental, sodium	(¹)	(1)	(1)	
	<i>Abbott Laboratories</i>				
	Residual Total	(¹)	(¹)	(¹)	
	Allopurinol	(1)	(1)	(¹)	
	<i>Burroughs Wellcome Co.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29335990 HTS Level Residual Total		(1)	(1)	(1)	
	1-(2-Aminoethyl)piperazine	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	Dimethyl piperazine			(¹)	
	<i>Texaco Chemical Co.</i>				
	2,4-Dioxypyrimidine (Uracil)	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Residual Total		(1)		
293359XX HTS Level Residual Total		13,859	(1)	(1)	
293361 Melamine		(1)	(1)		
29336100 Melamine		(1)	(1)	(1)	
	Melamine		(1)	(1)	
	<i>Cytec Industries</i>				
	<i>Melamine Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
293369 Heterocyclic compounds with nitrogen hetero-atom(s) only, cont. unfused triazine ring, excluding melamine		223,794	125,524	646,477	5.15
29336900 Heterocyclic compounds with nitrogen hetero-atom(s) only, cont. unfused triazine ring, excluding melamine		223,794	125,524	646,477	5.15
	4-Amino-6-(1,1-dimethylethyl)-1,3,4-triazin-5(4H)-one	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29336900 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	2,4-Bis(ethylamino)-6-methylmercapto-s-triazine (Simetryn) <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	2,4-Bis(4-hydroxy-3,5-di-tert-butylphenoxy)-6-(n-octylthio)-1,3,5-triazine <i>Company not disclosed</i>	(1)	(1)	(1)	
	4,6-Bis(isopropylamino)-2-methoxy-s-triazine (Prometon) <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	2,4-Bis(isopropylamino)-6-(methylthio)-s-triazine (Prometryn) <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	2-Chloro-4,6-bis(ethylamino)-s-triazine (Simazine) <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	2-Chloro-4-(cyclopropylamino)-6-(isopropylamino)-s-triazine (Cyprazine) <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	2-Chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine (Atrazine) <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	214-Chloro-6-(ethylamino)-s-triazin-2-ylamino-1,2-methylpropionitrile (Cyanazine) <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	Cyanuric acid <i>Monsanto Co.</i>	(1)	(1)	(1)	
	3-Cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	0,0-Dimethyl S-1(4-oxo-1,2,3-benzotriazin-3(1H)-ylomethyl]phosphorodithioate (Azinphos-methyl) <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	2-(Ethylamino)-4-(isopropylamino)-6-(methylthio)-s-triazine (Ametryne) <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	Hexahydro-1,3,5-triethyl-s-triazine <i>Vanderbilt Chemical Corp. (Murray, KY)</i>	(1)	(1)	(1)	
	Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine <i>Company not disclosed</i>	(1)	(1)	(1)	
	Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine <i>Angus Chemical Co.</i>	(1)	(1)	(1)	
	Methyl 2-[D1-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)thylamino]carbonylaminosulfonylbenzoate <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>	(1)	(1)	(1)	
	4-(tert-Butylamino)-2-chloro-6-ethylamino-s-triazine <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	2-(tert-Butylamino)-4-ethylamino-6-(methylthio)-s-triazine <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	Tolyltriazole <i>PMC Inc., PMC Specialities Group, Inc.</i>	(1)	(1)	(1)	
	Trichloromelamine <i>GFS Chemicals, Inc.</i>	(1)	(1)	(1)	
	2,4,6-Trichloro-s-triazine (Cyanuric chloride) <i>Degussa Corp.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29336900 —Continued					
	<i>Chemical description/Manufacturer—Continued</i>				
	1,3,5-Trichloro-s-triazine-2,4,6-(1H,3H,5H)trione (Trichloroisocyanuric acid) Monsanto Co. Olin Corp. (ii, iii, viii, ix, xii, xiv, xv) Witco Corp.	(1)	(1)	(1)	
	Residual Total	223,794	125,524	646,477	\$ 5.15
293371	6-Hexanelactam (epsilon-Caprolactam)	624,571	161,164	210,213	1.30
29337100	6-Hexanelactam (epsilon-Caprolactam)	624,571	161,164	210,213	1.30
	Caprolactam (2-Oxohexamethylenimine) Allied Signal, Inc., Engineered Materials Sector BASF Corp (Parsippany, NJ) DSM Chemicals, North America, Inc.	624,571	161,164	210,213	1.30
293379	Lactams other than 6-Hexanelactams (epsilon-Caprolactam) only nucleic acids and their salts	VI	(1)	(1)	
29337910	Aromatic or modified aromatic lactams described in additional U.S. note 3 to section VI	(1)	(1)	(1)	
	Caprolactam magnesium bromide Ferro Corp., Grant Chemical Div.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29337915	Aromatic or modified aromatic lactams, nesi	(1)	(1)	(1)	
	Lisinopril Merck & Co., Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29337920	N-Methyl-2-pyrrolidone; and 2-pyrrolidone	(1)	(1)	(1)	
	1-Methyl-2-pyrrolidone, monomer Atlantic Richfield Co., ARCO Chemical Co. BASF Corp (Parsippany, NJ) ISP Chemicals, Inc. J. T. Baker Chemical Co.	29,132	25,201	75,508	3.00
	2-Pyrrolidinone (2-Pyrrolidone) BASF Corp (Parsippany, NJ) ISP Chemicals, Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29337950	Nonaromatic lactams, nesi	(1)	(1)	(1)	
	1-(2-Methyl-4-nitrophenyl)pyrrolidine Alliance Chemical, Inc.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
293390	Heterocyclic compounds with nitrogen hetero-atom(s) only, nucleic acids and their salts, nesi	(1)	42,694	173,663	4.07
29339020	Aromatic or modified aromatic pesticides nesi, of heterocyclic compounds with nitrogen hetero-atom(s) only	4,598	(1)	(1)	
	N-(Mercaptomethylphthalimide S-10,0-dimethylphosphorodithioate) Company not disclosed	(1)	(1)	(1)	
	Methyl-1-(butylcarbamoyl)-2-benzimidazolecarbamate (Benomyl) EL Dupont de Nemours & Co., Inc., Ag. Products Dept.	(1)	(1)	(1)	
	3-(2-Methylpiperidino)propyl-3,4-dichlorobenzoate (Pipron) Eli Lilly & Co. Uniroyal Chemical Co., Inc.	(1)	(1)	(1)	
	Residual Total	4,598	(1)	(1)	
29339025	Photographic chemicals of aromatic or modified aromatic heterocyclic compounds with nitrogen hetero-atom(s) only	(1)	(1)	(1)	
	Phenyl-5-mercaptotetrazole	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29339025 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
<i>Fairmount Chemical Co., Inc.</i>					
	Residual Total	(¹)	(¹)	(I)	
29339026	Aromatic or modified aromatic antihistamines of heterocyclic compounds with nitrogen hetero-atoms) only		4	(¹)	(I)
	Phenindamine tartrate	(¹)	(¹)	(I)	
	<i>Ganes Chemicals, Inc.</i>				
	Triprolidine hydrochloride	1	(¹)	(I)	
	<i>Company not disclosed</i>				
	<i>Cyclo Products Inc. Nil</i>				
	Residual Total		4	(¹)	
29339039	Other aromatic or modified aromatic heterocyclic compounds with nitrogen hetero-atom(s) only, nesi		331	176	2,086 S 11.82
	3-Amino-6-chloropyridazine	(I)	(¹)	(I)	
	<i>Hercules, Inc.</i>				
	3-Amino-9-ethylcarbazole	(¹)		(¹)	
	<i>Synalloy Corp., Blackman Uhler Chemical Div.</i>				
	2-Amino-2-methylpropyl 8-bromotheophyllinate		(¹)	(¹)	
	<i>Chattem, Inc.</i>				
	1,3-Dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione	(¹)	1	(¹)	
	<i>Vanderbilt Chemical Corp. (Murray, KY)</i>				
	1,10-Phenanthroline	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	5-Phenyltetrazole	(¹)		(¹)	
	<i>Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)</i>				
	Residual Total		331	176	2,086 11.82
	Azidothymidine	(I)	(I)	(I)	
	<i>Company not disclosed</i>				
	Cinoxacin	(I)	(I)	(¹)	
	<i>Eli Lilly & Co.</i>				
	Fluconazole	(¹)	(¹)	(¹)	
	<i>Pfizer Pharmaceuticals, Inc.</i>				
	Metronidazole	(I)	(I)	(I)	
	<i>G.D. Searle & Co.</i>				
	1-Vinyl-2-pyrrolidinone, monomer	(I)	(I)	(I)	
	<i>ISP Chemicals, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
	Indomethacin		(¹)	(¹)	
	<i>Merck & Co., Inc.</i>				
	Residual Total		(¹)	(¹)	
	Imipramine hydrochloride	(¹)	(I)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	Residual Total	(¹)	(I)	(¹)	
29339061	HTS Level Residual Total		28	(¹)	(¹)
	Clorazepate dipotassium	(¹)	(¹)	(¹)	
	<i>Abbott Laboratories</i>				
	Hydralazine hydrochloride	(¹)		(¹)	
	<i>Ciba Geigy Corp.</i>				
	Methenamine	(¹)	(¹)	(¹)	
	<i>Arenol Chemical Corp.</i>				
	Methenamine mandelate	(¹)	(¹)	(¹)	
	<i>Arenol Chemical Corp.</i>				
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Methsuximide	(¹)	(¹)	(¹)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	Molindone hydrochloride	(¹)		(¹)	
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29339061 —Continued					
	Residual Total	28	(1)	(1)	
	Alprazolam	(¹)	(1)		
	Upjohn Co. vi xiv xv)				
	Prazepam	(1)	(1)	(1)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Residual Total	(¹)	(¹)	(¹)	
	Acyclovir	(1)	(0)	(1)	
	Company not disclosed				
	Ganciclovir	(1)	(1)	(1)	
	Company not disclosed				
	Glycopyrrolate	(1)	(¹)	(1)	
	B.I. Chemicals, Inc.				
	Melatonin		(1)	(1)	
	Regis Chemical Co.				
	Residual Total	(1)	(1)	(1)	
	Antifungal agents, all other	(1)	(1)	(1)	
	Arenol Chemical Corp.				
	Residual Total	(¹)	(1)	(1)	
29339080	HTS Level Residual Total	70	(¹)	(¹)	
	Bis(morpholinothiocarbamoyl) disulfide		(1)	(1)	
	Cytec Industries				
	Glipizide	(1)	(¹)	(¹)	
	Pfizer Pharmaceuticals, Inc.				
	3-Methylindole (Skatole)	(¹)	(1)	(1)	
	Givaudan Corp.				
	1,3,3-Trimethyl-6 ² , a-indolineacetaldehyde	(¹)	(¹)	(¹)	
	Miles, Inc.				
	Residual Total	70	(1)	(1)	
29339087	HTS Level Residual Total	59,262		(1)	
	Hexamethylenetetramine, tech.	59,262	(¹)	(¹)	
	Borden, Inc., Packaging & Industrial Products Div.				
	Monsanto Co.				
	W R Grace & Co., Organic Chem. Div., Hampshire Chemicals				
	Wright Chemical Corp.				
	Residual Total			(¹)	
	Enalapril maleate	(1)	(1)		
	Merck & Co., Inc.				
	Ethosuximide	(¹)	(¹)	(¹)	
	Parke Davis Div. of Warner Lambert, Inc.				
	Methotrexate	(1)	(1)	(1)	
	Bristol Myers Squibb Co.				
	Residual Total	(1)	(1)	(1)	
	Benzyl picolinium chloride	(1)	(1)	(1)	
	Gresco, Mfg., Inc.				
	Carbobenzoxy-L-azetidinone sodium salt	(1)	(¹)	(¹)	
	Bristol Myers Squibb Co.				
	4,4'-Dithiodimorpholine	(¹)	(¹)	(¹)	
	Monsanto Co.				
	Morpholine salt of gluconic acid	(1)	(1)	(1)	
	Company not disclosed				
	1-Phenethyl-2-picolinium bromide		(1)	(1)	
	Zeeland Chemical, Inc.				
	Vinylpyrrole-types, other	(1)	(1)	(1)	
	BA SF Corp (Parsippany, NJ)				
	Residual Total	(¹)	(¹)	(¹)	
293390XX	HTS Level Residual Total	(1)	40,674	171,037	4.21
2933XX	HTS Level Residual Total	134,602	89,602	478,117	5.34
2934	Other heterocyclic compounds	246,231	(1)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
293420	Compounds containing benzothiazole ring-system (whether or not hydrogenated), not further fused	176,180	(¹)	(¹)	
29342005	N-tert-Butyl-2-benzothiazolesulfenamide	11,800	12,161	50,853	\$ 4.18
	N.tert. Butyl. 2. benzothiazolesulfenamide	11,800	12,161	50,853	4.18
	<i>B F Goodrich Co.</i>				
	<i>Monsanto Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
29342010	2,2'-Dithiobisbenzothiazole	(¹)	(¹)	(¹)	
	2,2'-Dithiobis[benzothiazole]	(¹)	(¹)	(¹)	
	<i>B F Goodrich Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29342020	2-Mercaptobenzothiazole, sodium salt (2-Benzothiazolethiol, sodium salt)	(¹)	2,500	9,382	3.75
	2. Benzothiazolethiol, sodium salt	(¹)	(¹)	(¹)	
	<i>B F Goodrich Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	1H. Benzotriazole	0)	(¹)	(¹)	
	<i>PMC Inc., PMC Specialities Group, Inc.</i>				
	2. Mercaptobenzothiazole, sodium salt	(¹)	(¹)	(¹)	
	<i>Nalco Chemical Co.</i>				
	Residual Total	(¹)	2,500	9,382	3.75
	Chlorothiazide	(¹)	(¹)	(¹)	
	<i>Merck & Co., Inc.</i>				
	Residual Total		(¹)	(¹)	
29342035	Pesticides containing a benzothiazole ring-system, not further fused	(¹)	(¹)	(¹)	
	2. (Thiocyanomethylthio)benzothiazole	(¹)	(¹)	(¹)	
	<i>Buckman Laboratories, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
29342040	Heterocyclic compounds containing a benzothiazole ring-system, not further fused, described in add. U.S. note 3 to section VI	4,446	4,930	25,436	5.16
	N.t. Butyl. 2. benzothiazolesulfenimide	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	N. Cyclohexyl. 2. benzothiazolesulfenamide	(¹)	(¹)	(¹)	
	<i>Monsanto Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	2. Mercaptotoluimidazole, zinc salt	(¹)	(¹)	(¹)	
	<i>Vanderbilt Chemical Corp. (Murray, KY)</i>				
	6-Methyl-2-(2-methyl-6-quinolyI)-7-benzothiazolesulfonic acid	(¹)	(¹)	(¹)	
	<i>Miles, Inc.</i>				
	Thiazole derivatives, cyclic, other	(¹)	(¹)	(¹)	
	<i>B F Goodrich Co.</i>				
	<i>Company not disclosed</i>				
	<i>Monsanto Co.</i>				
	Residual Total	4,446	4,930	25,436	5.16
29342060	Heterocyclic compounds containing a benzothiazole ring-system, not further fused, nesi	(¹)	(¹)	(¹)	
	2. Amino. 5. mercapto. 1,3,4. thiaziazole	(¹)	(¹)	(¹)	
	<i>Fairmount Chemical Co., Inc.</i>				
	Benzotriazole, substituted	(¹)	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	2. Mercaptobenzothiazole	(¹)	(¹)	(¹)	
	<i>Monsanto Co.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	2. Mercaptobenzothiazole, copper salt	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value	
			Quantity	Value		
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram	
HTS No. 29342060 —Continued						
<i>Chemical description/Manufacturer—Continued</i>						
	<i>Cytec Industries</i>					
	2-Mercaptobenzothiazole, zinc salt <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)		
	2-Methylbenzothiazole <i>Fairmount Chemical Co., Inc.</i>	(1)	(1)	(1)		
	3-Oxo-1,2-benzisothiazoline-2-acetic acid, methyl ester, 1,1-dioxide <i>Pfizer Pharmaceuticals, Inc.</i>	(1)	(1)	(1)		
	2-(p-Aminophenyl)-6-methyl-7-benzothiazolesulfonic acid and salt <i>Miles, Inc.</i>	(1)	(1)	(1)		
	Residual Total	(1)		(1)		
293420XX	HTS Level Residual Total	159,934	(1)	(1)		
293430	Compounds containing a phenothiazine ring-system (whether or not hydrogenated), not further fused					
	Chlorpromazine hydrochloride <i>Lonza, Inc.</i>	(1)	42	(1)	(1)	
	Prochlorperazine maleate <i>Lonza, Inc.</i>			(1)		
	Residual Total			(1)	(1)	
29343030	Drugs of heterocyclic compounds containing a phenothiazine ring-system, not further fused, nesi					
	Phenothiazine derivatives, all other <i>Lonza, Inc.</i>	(1)		(1)	(1)	
	Prochlorperazine edisylate <i>Lonza, Inc.</i>	(1)		(1)	(1)	
	Residual Total	(1)		(1)	(1)	
29343050	Heterocyclic compounds containing a phenothiazine ring-system (whether or not hydrogenated), not further fused, nesi					
	2-Amino-6-benzothiazolesulfonic acid <i>Miles, Inc.</i>	(1)		(1)	(1)	
	4-Hydroxy-2H-1,2-benzothiazine-3-carboxylic acid, methyl ester, 1,1-dioxide <i>Pfizer Pharmaceuticals, Inc.</i>	(1)		(1)	(1)	
	4-Hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylic acid, methyl ester, 1,1-dioxide <i>Pfizer Pharmaceuticals, Inc.</i>	(1)		(1)	(1)	
	Residual Total	(1)		(1)	(1)	
293430XX	HTS Level Residual Total	42	(1)	(1)	(1)	
293490	Heterocyclic compounds, nesi	70,009	34,042	358,755	10.54	
29349012	Aromatic or modified aromatic fungicides of other heterocyclic compounds, nesi					
	Cyclic fungicides, all other <i>Company not disclosed</i> <i>Ferro Corp., Bedford Chemical Div.</i> <i>Huts America, Inc.</i> <i>Ruetgers Nease Chemical Co.</i>	(1)	1,669	(1)	(1)	
	2-n-Octyl-4-isothiazolin-3-one <i>Rohm & Haas Co.</i>	(1)		(1)	(1)	
	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione (DMTT) <i>Buckman Laboratories, Inc.</i> <i>Merck & Co., Inc.</i> <i>Vinings Industries, Inc.</i>	(1)		1,469	8,756	5.96
	Residual Total	(1)		(1)	(1)	
29349014	Aromatic or modified aromatic herbicides of other heterocyclic compounds, nesi	3,270	1,438	68,998	47.98	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	Per kilogram
			1,000 Kilograms	1,000 Dollars	
HTS No. 29349014 —Continued					
	2-(2-Chlorophenyl)methyl-4,4-dimethyl-3-isoxazolinone <i>Company not disclosed</i> <i>FMC Corp., Agricultural Chemical Group</i>	(¹)	(1)	(1)	
	Cyclic herbicides, all other <i>Chevron Corp., Chevron Chemical Co.</i> <i>Dow Chemical Co.</i> <i>Farmland Industries, Inc.</i> <i>Rohm & Haas Co.</i>	2,104	(¹)	(1)	
	2-(3,4-Dichlorophenyl)-1-methyl-1,2,4-oxadiazolidine-3,5-dione (Methazole) <i>Sandoz Crop Protection (zeffird)</i>	(1)	(1)	(1)	
	N-[3-(1-Ethyl-1-methylpropyl)-5-isoxazolyl]-2,6-dimethoxybenzamide (Flexidor) <i>Eli Lilly & Co.</i> <i>Riverdale Chemical Co.</i>	(¹)	(¹)		
	1-Methyl-3-phenyl-5-(3-(trifluoromethyl)phenyl)-4(1H)-pyridone (Fluridone) <i>Eli Lilly & Co.</i>	(¹)	(1)	(1)	
	Residual Total	1,166	1,438	68,998	\$ 47.98
29349016	Aromatic or modified aromatic insecticides of other heterocyclic compounds, nesi	(1)		(¹)	
	Cyclic insecticides, all other <i>Company not disclosed</i> <i>FMC Corp., Agricultural Chemical Group</i> <i>Sandoz Crop Protection (zeffird)</i>	(1)	(1)		
	Residual Total	(¹)	(¹)		
29349018	Aromatic or modified aromatic pesticides nesi, of other heterocyclic compounds, nesi				
	1-(4-Chlorophenyl)-1-methyl-2-(1,1-dimethylethyl)-1,2,4-triazole-1-ethanol <i>Zeneca, Inc., Agricultural Chemicals Div.</i>	(1)		(1)	
	1,2-Dihydro-3,6-pyridazinedione (Maleic hydrazide) (MH) <i>Drexel Chemical Corp.</i> <i>Uniroyal Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	Pesticides and related products, cyclic, all other <i>Buckman Laboratories, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)		(1)	
29349020	Aromatic or modified aromatic photographic chemicals of other heterocyclic compounds, nesi	2,148	(1)	(1)	
	4-Diazo-2,5-diethoxymorpholinobenzene <i>Alliance Chemical, Inc.</i>	(¹)	(1)	(1)	
	2,5-Diethoxy-4-morpholinobenzenediazonium chloride <i>Alliance Chemical, Inc.</i>	(¹)	(1)	(1)	
	p-Morpholinyl-2,5-dibutoxybenzene diazonium chloride <i>Alliance Chemical, Inc.</i>		(1)	(1)	
	Photographic chemicals, all other <i>Alliance Chemical, Inc.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>E.I. DuPont de Nemours & Co., Inc., Ed/Img Dept.</i> <i>Fairmount Chemical Co., Inc.</i> <i>Hickson Danchem Corporation</i>	(1)	1,099	31,100	28.30
	Residual Total	2,148	(1)	(1)	
29349025	Aromatic or modified aromatic drugs of other heterocyclic compounds, nesi			44	5,263
					118.73

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29349025 —Continued					
	Doxazosin mesylate <i>Pfizer Pharmaceuticals, Inc.</i>	(1)	(1)	(1)	
	Etidronate, disodium <i>Proctor & Gamble Pharmaceutical</i>	(1)		(1)	
	Lasalocid, sodium <i>Hoffmann Laroche, Inc.</i>	(1)		(1)	
	Methimazole <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	Methyclothiazide <i>Abbott Laboratories</i>		(1)	(1)	
	Nizatidine <i>Eli Lilly & Co.</i> <i>Eli Lilly & Co., Eli Lilly Industries, Inc., San Juan</i>	(1)	(1)		
	Piroxicam <i>Pfizer Pharmaceuticals, Inc.</i> <i>Pfizer, Inc.</i>	(1)	(1)		
	Pramoxine hydrochloride <i>Abbott Laboratories</i>	(1)	(1)	(1)	
	Thiabendazole <i>Merck & Co., Inc.</i>		(1)	(1)	
	Timolol maleate <i>Merck & Co., Inc.</i>	(1)	(1)	(1)	
	Triamterene <i>Lonza, Inc.</i>	(1)		CI	
	Residual Total		44	5,263	\$118.73
29349040 Aromatic or modified aromatic heterocyclic compounds, nesi, described in additional U.S. note 3 to section VI					
	4-(Cyanoacetyl)morpholine <i>E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept.</i> <i>Pfister Chemical, Inc.</i>	(1)	(1)	(1)	
	3-Hydroxy-N-13-N-morpholino-y-propyl-11-2-naphthimide <i>C.N. C. International, Inc.</i> <i>Pfister Chemical, Inc.</i>	(1)	(1)	(1)	
	3-Trichloromethyl-1,2,4-thiadiazole <i>Olin Corp. viii, ix, xii, xiv, xv</i>	(1)	(1)	CI	
	Residual Total	(1)	(1)	(1)	
	2,5-Dibutoxy-4-morpholinobenzenediazonium sulfate salt (DBB Sulfate) <i>Alliance Chemical, Inc.</i>	(1)		(1)	
	2,5-Dibutoxy-4-morpholinonitrobenzene <i>Alliance Chemical, Inc.</i>	(1)	(1)	CI	
	6,1 1-Di hydrodibenz(b,e)oxepin-1 1-one <i>Pfizer Pharmaceuticals, Inc.</i>	(1)	(1)	(1)	
	2-2-(2,3-Dihydro-1,3-dioxo-1H-inden-2y1)-(quinoliny1)]-6-methylbenzothiazole-7-sulfonic acid <i>Miles, Inc.</i>	(1)		(1)	
	Pemoline <i>Abbott Laboratories</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)		
29349047 Nonaromatic drugs of other heterocyclic compounds, nesi					
	Doxapram hydrochloride <i>B.I. Chemicals, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29349050 Nonaromatic heterocyclic compounds, nesi		28,153	25,557	150,219	5.88

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29349050 — Continued					
	Acyclic herbicides <i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept. Vine/and Chemical Co., Inc.</i>	(¹)	(¹)		
	1-(3-Aminopropyl)morpholine <i>Texaco Chemical Co.</i>	(¹)		(¹)	
	Ammonium oxydiethylenebis (alkly* dimethyl chloride) *Alkyl-40% C ₁₂ , 50% C ₁₄ , 10% C ₁₆ <i>Buckman Laboratories, Inc.</i>	(1)	(1)	(¹)	
	Butylmorpholine <i>Texaco Chemical Co.</i>	(1)	(1)	(¹)	
	2,5-Dihydrothiophene-1,1-dioxide (Sulfolene) <i>Phillips 66 Co.</i>	(1)	(1)	(¹)	
	4,4-Dihydroxymethyl-2-oxazoline <i>Angus Chemical Co.</i>	(1)	(1)	(¹)	
	4,4-Dimethyl oxazolidene <i>Angus Chemical Co. E.F. Houghton & Co.</i>	(¹)	(¹)	(¹)	
	Dimorpholine diethyl ether <i>Texaco Chemical Co.</i>	(1)	(1)	(¹)	
	4-Dodecylmorpholine <i>Lonza, Inc.</i>	(¹)	(¹)		
	4-Ethyl-4-hydroxymethyloxazoline <i>Angus Chemical Co.</i>	(1)	(1)	(¹)	
	Hydroxymethyl-bis-oxazoline <i>Angus Chemical Co.</i>	(1)	(1)	(¹)	
	Methoxyethyl morpholine <i>Texaco Chemical Co.</i>	(1)		(¹)	
	Methoxymethyl morpholine <i>Lonza, Inc.</i>	(1)	(1)	(1)	
	4-Methylmorpholine <i>Texaco Chemical Co.</i>	(1)	(¹)	(¹)	
	Morpholine <i>Air Products & Chemicals, Inc. BASF Corp (Parsippany, NJ) Texaco Chemical Co.</i>	19,752	18,055	27,113	\$ 1.50
	4-(2-Nitrobutyl) morpholine <i>Angus Chemical Co.</i>	(¹)	(1)	(¹)	
	4,4(5H)-Oxazole dimethanol, 2-(heptadecenyl) <i>Company not disclosed</i>	(1)	(1)		
	Pesticides and related products, acyclic, all other <i>Company not disclosed Company not disclosed Sandoz Crop Protection (zeffird) Uniroyal Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	Tetrahydrothiophene-1,1-dioxide (Sulfolene) <i>Phillips 66 Co.</i>	(¹)		(¹)	
	Thiophene <i>Elf Atochem North America, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	8,401	7,502	123,105	16.41
293490XX	HTS Level Residual Total	33,694	3,002	81,955	27.30
2934XX	HTS Level Residual Total		(¹)	(¹)	
2935	Sulfonamides	3,020	2,598	53,514	20.60
293500	Sulfonamides	3,020	2,598	53,514	20.60
29350031	Acetylsulfisoxazole; sulfamerazine, sodium; sulfamethazine, sodium; and other specified anti-infective sulfonamides		(1)	(¹)	
	Sulfacetamide, sodium		(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29350031 —Continued					
Chemical description/Manufacturer—Continued					
	Schering Corp.				
	Sulfamethoxazole	(1)	(1)	(1)	
	Hoffmann Laroche, Inc.				
	Sulfisoxazole	(1)	(1)	(¹)	
	Hoffmann Laroche, Inc.				
	Sulfisoxazole, acetyl	(1)	(1)	(1)	
	Hoffmann Laroche, Inc.				
	Residual Total	(¹)	(1)	(1)	
29350033	Sulfathiazole and sulfathiazole, sodium	(1)	(1)	(1)	
	Sulfapyridine	(1)	(1)	(1)	
	Cytec Industries				
	Reilly Industries, Inc.				
	Residual Total	(1)	(1)	(1)	
29360035	Sulfadiazine, sulfaguanidine, sulfapyridine, and salicylazosulfapyridine (Sulfasalazine)	(1)	(1)	(1)	
	Sulfadiazine, silver	(1)	(¹)	(1)	
	Boots Pharmaceuticals, Inc.				
	Napp Chemicals, Inc.				
	Sulfasalazine	(1)	(1)	PI	
	Salsbury Chemicals, Inc.				
	Residual Total	(¹)	(1)	(¹)	
29350039	Anti-infective agents of sulfonamides, nesi	(1)	(1)	(1)	
	Acetohexamide	(¹)	(¹)	(¹)	
	Eli Lilly & Co.				
	Clorsulon	(1)	(1)	(1)	
	Merck & Co., Inc.				
	Mafenide acetate	(1)	(1)	(1)	
	Sterling Drug, Inc., Sterling Organics Div.				
	Sulfadimethoxine	(1)	(1)	(¹)	
	Hoffmann Laroche, Inc.				
	Residual Total	(1)	(¹)	(1)	
29350043	Chlorothiazide; chlorpropamide; hydrochlorothiazide; and tolbutamide	(1)	(1)	(1)	
	Hydrochlorothiazide	(¹)	(1)	(¹)	
	Abbott Laboratories				
	Ciba Geigy Corp.				
	Merck & Co., Inc.				
	Tolbutamide	(¹)	(1)	(¹)	
	Upjohn Co. (iii vi xiv xv)				
	Residual Total	(¹)	(1)	(1)	
	Thiothixene hydrochloride	(¹)	(1)	(1)	
	Pfizer, Inc.				
	Residual Total	(1)	(1)	(1)	
	2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonyl]benzenesulfonamide	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.				
	N-Ethyl-p-toluenesulfonamide	(¹)	(1)	(1)	
	Ruetgers Nease Chemical Co.				
	Unitex Chemical Corp.				
	Residual Total	(¹)	(1)	(¹)	
	4-Chloro-N-methyl-3-nitrobenzenesulfonamide	(1)	(1)	(¹)	
	Company not disclosed				
	3,5-Dinitro-N4,N4-dipropylsulfanilamide	(1)	(1)	(1)	
	Lomac, Inc.				
	p-(p-Toluenesulfonamido)diphenylamine	(1)	(1)	(1)	
	Uniroyal Chemical Co., Inc.				
	Residual Total	(¹)	(1)	(1)	
293600XX	HTS Level Residual Total	3,020	2,598	53,514	\$ 20.60

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
2936	Provitamins and vitamins, natural or reproduced by synthesis (including natural concentrates), derivatives thereof used primary as vitamins, and intermixtures of the foregoing, whether or not in any solvent	52,833	(¹)	(¹)	
293610	Provitamins, unmixed	(¹)	PI	(¹)	
29361000	Provitamins, unmixed	(¹)	(¹)	(¹)	
	Niacin (medicinal grade)	(¹)	(¹)	(¹)	
	<i>Reilly Industries, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
293621	Vitamins A and their derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
29362100	Vitamins A and their derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
	Beta carotene (provitamin A)	01	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Vitamin A alcohol	(¹)	(¹)	(¹)	
	<i>Hoffmann Laroche, Inc.</i>				
	Vitamin A palmitate (medicinal grade)	(¹)	(¹)	(¹)	
	<i>Hoffmann Laroche, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
293622	Vitamin B1 (Thiamine) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
29362200	Vitamin B1 (Thiamine) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
	Thiamine mononitrate	(¹)	(¹)	(¹)	
	<i>Takeda Chemical Products USA, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
293623	Vitamin B2 (Riboflavin) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
29362300	Vitamin B2 (Riboflavin) and its derivatives, unmixed, natural or synthesized	PI	(¹)	(¹)	
	Riboflavin (animal feed grade)	01	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Riboflavin (medicinal grade)	(¹)	(¹)	01	
	<i>Company not disclosed</i>				
	<i>Hoffmann Laroche, Inc.</i>				
	Riboflavin .5-phosphate, sodium	(¹)	(¹)	(¹)	
	<i>Hoffmann Laroche, Inc.</i>				
	Vitamin B complex, all other	(¹)	(¹)	(¹)	
	<i>Hoffmann Laroche, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
293624	Vitamin B3 or B5 Id- or dI-Pantothenic acid) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
29362400	Vitamin B3 or B5 Id- or dI-Pantothenic acid) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
	Dexpanthenol	(¹)	(¹)	(¹)	
	<i>Hoffmann Laroche, Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
293626	Vitamin B12 (Cyanocobalamin and related compounds with Vitamin B12 activity) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
29362600	Vitamin B12 (Cyanocobalamin and related compounds with Vitamin B12 activity) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	
	Cyanocobalamin (medicinal grade)	(¹)	(¹)	(¹)	
	<i>Merck & Co., Inc.</i>				
	Residual Total	(¹)	(¹)	(¹)	
293627	Vitamin C (Ascorbic acid) and its derivatives, unmixed, natural or synthesized	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
29362700	Vitamin C (Ascorbic acid) and its derivatives, unmixed, natural or synthesized				
	Ascorbic acid	(¹)	(¹)	(¹)	
	Company not disclosed				
	Takeda Chemical Products USA, Inc.				
	Sodium ascorbate		(¹)	(¹)	
	Company not disclosed				
	Vitamin C, all other	(¹)	(¹)	(¹)	
	Company not disclosed				
	Residual Total	(1)	(1)	(1)	
293628	Vitamin E (Tocopherols and related compounds with Vitamin E activity) and its derivatives, unmixed, natural or synthesized	(¹)	11,583	116,254	S 10.04
29362800	Vitamin E (Tocopherols and related compounds with Vitamin E activity) and its derivatives, unmixed, natural or synthesized		11,583	116,254	10.04
	dl.a Tocopherol	(¹)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	d.a Tocopherol	(1)	(¹)	(¹)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Henkel Corp.				
	d.a Tocopheryl acetate	(¹)	(¹)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Henkel Corp.				
	dl.a Tocopheryl acetate (animal feed grade)		(1)	(¹)	
	BASF Corp (Parsippany, NJ)				
	Company not disclosed				
	dl.a Tocopheryl acetate (medicinal grade)	(1)	(¹)	(¹)	
	BASF Corp (Parsippany, NJ)				
	Company not disclosed				
	d.a Tocopheryl acid succinate	(1)	(¹)	(¹)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Henkel Corp.				
	Residual Total	(1)	11,583	116,254	10.04
293628XX	HTS Level Residual Total	(¹)			
293629	Vitamins and their derivatives, nesi	(1)	(¹)	(1)	
29362915	Niacin and niacinamide and their derivatives, unmixed				
	Niacinamide (medicinal grade)	(1)	(¹)	(¹)	
	Hoffmann Laroche, Inc.				
	Reilly Industries, Inc.				
	Residual Total	(1)	(1)	(¹)	
29362950	Nonaromatic vitamins and their derivatives, nesi		(1)	(¹)	
	Biotin		(¹)	(¹)	
	Company not disclosed				
	Cyclo Products Inc. (vi)				
	Lonza, Inc.				
	Cholecalciferol (vitamin D ₃)	(¹)	(¹)	(1)	
	Vitamins, Inc.				
	Ergocalciferol (vitamin D ₂)	(1)	(¹)	(1)	
	Vitamins, Inc.				
	Panthenol	(1)	(¹)	(¹)	
	Hoffmann Laroche, Inc.				
	Residual Total	(¹)	(1)	(1)	
2936XX	HTS Level Residual Total	52,833	(1)	(1)	
2937	Hormones, natural or reproduced by synthesis; derivatives thereof, used primarily as hormones; other steroids used primarily as hormones		(¹)		

See endnotes at end of table.

Table 3 — Continued
 Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/ manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
293710	Pituitary (anterior) or similar hormones, and their derivatives	(1)	(1)		
29371000	Pituitary (anterior) or similar hormones, and their derivatives	(1)	(1)		
	Corticotropin	(¹)	(¹)	(1)	
	<i>Armour pharmaceutical Co.</i>				
	<i>Organics/Lagrange, Inc.</i>				
	Danazol	(¹)	(¹)	(¹)	
	<i>Sterling Drug, Inc. (Barceloneta)</i>				
	Humatrope	(¹)	(¹)	(¹)	
	<i>Eli Lilly & Co.</i>				
	Protirelin	(1)		(1)	
	Residual Total	(1)	(¹)	(¹)	
293721	Cortisone, hydrocortisone, prednisone (Dehydrocortisone), and prednisolone (Dehydrohydrocortisone)		(¹)		
29372100	Cortisone, hydrocortisone, prednisone (Dehydrocortisone), and prednisolone (Dehydrohydrocortisone)		(1)	(1)	
	Cortisone acetate	(1)	(1)	(¹)	
	<i>Upjohn Co. (iii vi xiv xv)</i>				
	Dexamethasone	(¹)	(¹)	(1)	
	<i>Company not disclosed</i>				
	<i>Merck & Co., Inc.</i>				
	<i>Schering Corp.</i>				
	Dexamethasone sodium phosphate	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Merck & Co., Inc.</i>				
	Fludrocortisone acetate		(¹)	(¹)	
	<i>Upjohn Co. vi xiv xv)</i>				
	Fluorometholone	(1)	(¹)	(¹)	
	<i>Upjohn Co. vi xiv xv)</i>				
	Hydrocortisone	(1)	(¹)	(¹)	
	<i>Upjohn Co. vi xiv xv)</i>				
	Methylprednisolone	(1)	(1)		
	<i>Abbott Laboratories</i>				
	<i>Upjohn Co. vi xiv xv)</i>				
	Prednisolone	(1)	(1)	(1)	
	<i>Upjohn Co. (iii vi xiv xv)</i>				
	Prednisolone acetate	(¹)	(1)		
	<i>Upjohn Co. vi xiv xv)</i>				
	Prednisone		(1)	(1)	
	<i>Upjohn Co. (iii vi xiv xv)</i>				
	Residual Total	(1)	(1)	(1)	
293722	Halogenated derivatives of adrenalcortical hormones	10	(¹)	(1)	
29372200	Halogenated derivatives of adrenalcortical hormones	10	(1)	(1)	
	Aclomethasone	(¹)	(¹)	(1)	
	<i>Schering Corp.</i>				
	Beclomethasone	(1)	(¹)	(1)	
	<i>Schering Corp.</i>				
	Betamethasone	(1)	(¹)	(1)	
	<i>Schering Corp.</i>				
	Betamethasone dipropionate	(1)	(1)		
	<i>Company not disclosed</i>				
	<i>Schering Corp.</i>				
	Betamethasone sodium phosphate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29372200 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Schering Corp.				
	Betamethasone valerate	(1)	(¹)	(¹)	
	Company not disclosed				
	Schering Corp.				
	Flumethasone	(1)	(1)	(1)	
	Upjohn Co. vi xiv xv)				
	Isoflupredone, acetate	(1)	(1)	(1)	
	Upjohn Co. (iii vi xiv xv)				
	Triamcinolone	(1)	(1)	(1)	
	Bristol Myers Squibb Co.				
	Company not disclosed				
	Triamcinolone acetonide	(1)	(1)	(1)	
	Bristol Myers Squibb Co.				
	Company not disclosed				
	Triamcinolone diacetate	(1)	(1)	(1)	
	Company not disclosed				
	Residual Total			(1)	
		10		(1)	
293722XX	HTS Level Residual Total		(1)	(1)	
293729	Adrenalcortical hormones and their derivatives, nesi	(¹)	(¹)	(¹)	
29372900	Adrenalcortical hormones and their derivatives, nesi	(1)	(1)		
	Halcinonide	(1)	(¹)	(¹)	
	Bristol Myers Squibb Co.				
	Hydrocortisone acetate	(¹)	(1)	(1)	
	Upjohn Co. vi xiv xv)				
	Medrysone	(1)	(¹)	(¹)	
	Upjohn Co. (iii vi xiv xv)				
	Mometasone	(1)	(1)	(1)	
	Schering Corp.				
	Residual Total	(1)	(¹)	(¹)	
293791	Insulin and its salts	(¹)	(¹)	(¹)	
29379100	Insulin and its salts	(¹)	(¹)	(¹)	
	Insulin	(¹)	(1)	(1)	
	Eli Lilly & Co.				
	Residual Total	(1)	(¹)	(¹)	
293792	Estrogens and progestins	(¹)			
	Estradiol cypionate	(¹)	(¹)	(¹)	
	Company not disclosed				
	Estrogens, all other	(1)	(1)	(1)	
	Organics/Lagrange, Inc.				
	Estrogens, conjugated	(1)	(¹)	(¹)	
	Organics/Lagrange, Inc.				
	Estrogens, esterified	(1)	(1)	(1)	
	Organics/Lagrange, Inc.				
	Medroxyprogesterone acetate	(¹)	(¹)	(¹)	
	Upjohn Co. (iii vi xiv xv)				
	Megestrol acetate	(1)	(1)	(1)	
	Upjohn Co. vi xiv xv)				
	Melengestrol acetate	(¹)			
	Company not disclosed				
	Progesterone	(1)	(1)	(1)	
	Upjohn Co. (iii vi xiv xv)				
	Residual Total	(¹)	(1)	(1)	
	Carboprost	(¹)	(¹)	(¹)	
	Upjohn Co. vi xiv xv)				
	Triamcinolone hexacetonide	(¹)	(¹)	(¹)	
	Bristol Myers Squibb Co.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29379280 —Continued					
	Residual Total	(¹)	(¹)	(¹)	
293799	Hormones and their derivatives, nesi; steroids used primary as hormones, nesi	(¹)	(¹)	(¹)	
	Levothyroxine, sodium <i>Boots Pharmaceuticals, Inc.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
29379980	HTS Level Residual Total	196	3	40,798	\$ 12164
	Calcitonin <i>Armour pharmaceutical Co.</i>	(¹)	(¹)	(¹)	
	Carenoate, potassium (for pharmaceutical use) G.D. Searle & Co.	(¹)	(¹)	(¹)	
	Chlorpropamide <i>Pfizer Pharmaceuticals, Inc.</i>	(¹)	(¹)	(¹)	
	Diflorasone diacetate <i>Upjohn Co. vi xiv xv)</i>	(¹)	(¹)	(¹)	
	Fluoxymesterone <i>Upjohn Co. vi xiv xv)</i>	(¹)	(¹)	(¹)	
	Glucagon <i>Eli Lilly & Co.</i>	(¹)	(¹)	(¹)	
	Gonadorelin, acetate <i>Abbott Laboratories</i>	(¹)	(¹)	(¹)	
	Hydroxyprogesterone <i>Upjohn Co., Fine Chemicals</i>	(¹)	(¹)	(¹)	
	Methyltestosterone <i>Upjohn Co. (iii vi xiv xv)</i>	(¹)	(¹)	(¹)	
	Testosterone <i>Upjohn Co. (iii vi xiv xv)</i>	(¹)	(¹)	(¹)	
	Testosterone cypionate <i>Upjohn Co. vi xiv xv)</i>	(¹)	(¹)	(¹)	
	Testosterone propionate <i>Upjohn Co. (iii vi xiv xvi)</i>	(¹)	(¹)	(¹)	
	Zeranol <i>Pittman Moore Inc., (Terre Haute, In)</i>	(¹)	(¹)	(¹)	
	Residual Total	196	3	40,798	12164
2937XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
2938	Glycosides, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives	(¹)	(¹)	(¹)	
293890	Glycosides, natural or synthesized, and their salts, ethers, esters and other derivatives, other than rutoside and its derivatives	(¹)	(¹)	(¹)	
29389000	Glycosides, natural or synthesized, and their salts, ethers, esters, and other derivatives other than rutoside and its derivatives	(¹)	(¹)	(¹)	
	Netilmicin <i>Schering Corp.</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
2939	Vegetable alkaloids, natural or reproduced by synthesis, and their salts, ethers, esters and other derivatives	3,680	2,509	93,652	37.32
293910	Alkaloids of opium and their derivatives; salts thereof	(¹)	(¹)	(¹)	
29391020	Synthetic alkaloids of opium and their derivatives; salts thereof, nesi	(¹)	(¹)	(¹)	
	Codeine <i>Mallinckrodt Speciality Chemicals Co.</i>	(¹)	(¹)	(¹)	
	Hydrocodone bitartrate <i>Mallinckrodt Speciality Chemicals Co.</i>	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29391020 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Hydromorphone hydrochloride <i>Penick Corp.</i>	(1)	(¹)	(¹)	
	Oxycodone hydrochloride <i>Mallinckrodt Speciality Chemicals Co.</i> <i>Penick Corp.</i>	(¹)	(1)	(1)	
	Oxycodone terephthalate <i>Mallinckrodt Speciality Chemicals Co.</i> <i>Penick Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
29391050	Nonsynthetic alkaloids of opium, other than papaverine, and their derivatives; salts thereof, nesi	(1)	(1)	(1)	
	Morphine sulfate <i>Mallinckrodt Speciality Chemicals Co.</i>	(1)	(1)	(1)	
	Thebaine <i>Mallinckrodt Speciality Chemicals Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
293930	Caffeine and its salts	(¹)	(¹)	(¹)	
29393000	Caffeine and its salts	(1)	(¹)	(¹)	
	Caffeine, synthetic <i>American Bio Synthetics Corp.</i> <i>Pfizer, Inc.</i>	(1)	(¹)	(¹)	
	Residual Total	(1)	(1)	(1)	
293940	Ephedrine and their salts	(1)	(1)	(1)	
29394010	Pseudoephedrine and its salts	(¹)	(1)	(1)	
	Pseudoephedrine hydrochloride <i>Ganes Chemicals, Inc.</i>	(1)	(¹)	(¹)	
	Pseudoephedrine sulfate <i>Ganes Chemicals, Inc.</i>	(1)		(1)	
	Residual Total	(1)	(1)	(1)	
293950	Theophylline aminophylline (Theophylline -ethylenediamine), and their derivatives; salts thereof	(¹)	(1)	(1)	
29396000	Theophylline aminophylline (Theophylline -ethylenediamine), and their derivatives; salts thereof		(1)	(1)	
	Oxtriphylline <i>Parke Davis Div. of Warner Lambert, Inc.</i>	(1)	(1)	(1)	
	Theophylline <i>American Bio Synthetics Corp.</i>	(1)	(1)	(1)	
	Theophylline sodium glycinatate <i>Chattem, Inc.</i>	(¹)	(1)	(1)	
	Residual Total		(1)	(1)	
293990	Vegetable alkaloids, and their salts, ethers, esters and other derivatives, nesi	(1)	(1)	(1)	
29399050	Vegetable alkaloids, reproduced by synthesis, and their salts, ethers, esters and other derivatives, nesi	(¹)	(¹)	(¹)	
	Butorphanol tartrate <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Cocaine <i>Mallinckrodt Speciality Chemicals Co.</i>	(1)		(1)	
	Meperidine hydrochloride <i>Sterling Drug, Inc., Sterling Organics Div.</i>	(¹)	(¹)	(¹)	
	Nicotinyl tartrate <i>Arenol Chemical Corp.</i>	(1)	(1)	(1)	
	Sitosterols <i>Upjohn Co. lie vi xiv xv)</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers. 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29399050 — Continued					
	Residual Total	(¹)	(1)	(1)	
2939XX	HTS Level Residual Total	3,680	2,509	93,652	37.32
2940	Sugars, chemically pure, other than sucrose, lactose, maltose, glucose and fructose; sugar ethers and sugar esters, and their salts, other than products of heading 2937, 2938 or 2939	(1)	(¹)	(1)	
294000	Sugars, chemically pure, not sucrose, lactose, maltose, glucose, fructose; ethers, esters, salts of sugars not of headings 2937, 2938, 2939	(1)	(1)	(1)	
29400000	Sugars, chemically pure, not sucrose, lactose, maltose, glucose, fructose; ethers, esters, salts of sugars not of headings 2937, 2938, 2939	(¹)	(¹)	(¹)	
	I-Arabinose	(1)	(1)	(1)	
	<i>Pfanstiehl Laboratories, Inc.</i>				
	D-Galactose	(1)	(1)	(1)	
	<i>Pfanstiehl Laboratories, Inc.</i>				
	D-Glucosamine hydrochloride	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	Mannitol	(¹)	(¹)	(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Rare sugars, all other	(1)	(¹)	(¹)	
	<i>Beckman Instruments, Inc., Diagnostics Systems Group</i>				
	Residual Total	(¹)	(¹)	(1)	
2941	Antibiotics	(¹)	(1)	(1)	
294110	Penicilins and their derivatives with a penicilanic acid structure; salts thereof	(1)		(1)	
29411010	Ampialin and its salts	163	(¹)	(¹)	
	Ampicillin (anhydrous)	(1)	(¹)	(¹)	
	<i>Bristol Myers Squibb Co.</i>				
	Ampicillin, sodium	(¹)	(1)	(¹)	
	<i>Wyeth Laboratories, Inc., Wyeth Laboratories Div.</i>				
	Ampicillin (trihydrate)	(1)	(1)	(¹)	
	<i>Biocraft Laboratories, Inc.</i>				
	<i>Kanasco, Ltd.</i>				
	Residual Total	163	(¹)	(¹)	
29411020	Penicillin G salts	(¹)	(¹)	(¹)	
	Penicillin G, benzathine		(1)	(1)	
	<i>Wyeth Laboratories, Inc., Wyeth Laboratories Div.</i>				
	Penicillin G, procaine (medicinal grade)		(1)	(1)	
	<i>Pfizer, Inc.</i>				
	<i>Wyeth Laboratories, Inc., Wyeth Laboratories Div.</i>				
	Residual Total	(1)	(¹)	(¹)	
29411030	Carfecilin, sodium; doxacin, sodium; dicloxacilin, sodium; flucloxacilin (Floxacin); and oxacilin, sodium	(1)	(¹)	(¹)	
	Cloxacillin, sodium	(¹)	(¹)	(¹)	
	<i>Biocraft Laboratories, Inc.</i>				
	<i>Kanasco, Ltd.</i>				
	<i>Smithkline Beecham Pharmaceuticals</i>				
	Dicloxacillin, sodium	(1)	(¹)	(¹)	
	<i>Biocraft Laboratories, Inc.</i>				
	<i>Kanasco, Ltd.</i>				
	<i>Smithkline Beecham Pharmaceuticals</i>				
	Oxacillin, sodium	(¹)	(1)	(1)	
	<i>Biocraft Laboratories, Inc.</i>				
	<i>Smithkline Beecham Pharmaceuticals</i>				
	Residual Total	(1)	(1)	(1)	
29411050	Penicilins and their derivatives nesi, with a penicillanic acid structure; salts thereof		(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29411060 —Continued					
	Amoxicillin (anhydrous) <i>Bristol Myers Squibb Co.</i> <i>Smithkline Beecham Pharmaceuticals</i>	(1)	(1)	(1)	
	Amoxicillin (trihydrate) <i>Biocraft Laboratories, Inc.</i> <i>Kanasco, Ltd.</i>	(1)	(1)	(1)	
	Penicillin V, potassium <i>Bristol Myers Squibb Co.</i>	(1)		(1)	
	Piperacillin <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Semisynthetic penicillins, all other <i>Smithkline Beecham Pharmaceuticals</i>		(1)	(1)	
	Ticarcillin, disodium <i>Smithkline Beecham Pharmaceuticals</i>	(1)		(1)	
	Residual Total		(1)		
294120	Streptomycins and their derivatives; salts thereof	2,190	619	72,155	\$1 16.52
29412000	Streptomycins and their derivatives; salts thereof	2,190	619	72,155	1 16.52
	Apramycin <i>Pfizer Pharmaceuticals, Inc.</i>	(1)	(1)	(1)	
	Cycloserine <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	Dihydrostreptomycin <i>Pfizer, Inc.</i>	(1)	(1)	(1)	
	Narasin <i>Eli Lilly & Co.</i>	(1)		(1)	
	Nystatin (medicinal grade) <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Spectinomycin (animal feed grade) <i>Upjohn Co. (iii vi xiv xv)</i>	(1)	(1)	(1)	
	Spectinomycin (medicinal grade) <i>Abbott Laboratories</i> <i>Upjohn Co. vi xiv xv)</i>	(1)	(1)	(1)	
	Streptomycin <i>Pfizer, Inc.</i>	(1)	(1)	(1)	
	Streptozocin <i>Pfanstiehl Laboratories, Inc.</i> <i>Upjohn Co. vi xiv xv)</i>	(1)	(1)	(1)	
	Tobramycin <i>Eli Lilly & Co., Eli Lilly Industries, Inc., San Juan</i>	(1)	(1)		
	Tylosin <i>Eli Lilly & Co.</i>	(1)	(1)	(1)	
	Vancomycin <i>Abbott Laboratories</i> <i>Eli Lilly & Co.</i> <i>Eli Lilly & Co., Eli Lilly Industries, Inc., San Juan</i>	(1)	(1)	0	
	Residual Total	2,190	619	72,155	1 16.52
294130	Tetracyclines and their derivatives; salts thereof	(1)	(1)	(1)	
29413000	Tetracyclines and their derivatives; salts thereof	(1)	(1)	(1)	
	Chlortetracycline (animal feed grade) <i>Pfizer, Inc.</i>	(1)	(1)	(1)	
	Oxytetracycline (animal feed grade) <i>Pfizer, Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
294150	Erythromycin and their derivatives; salts thereof	(1)	(1)	(1)	
29415000	Erythromycin and their derivatives; salts thereof	(1)	(1)	(1)	
	Erythromycin <i>Abbott Laboratories</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29415000 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Upjohn Co. vi xiv xv)</i>				
	Erythromycin estolate	(1)	(1)	(1)	
	<i>Eli Lilly & Co., Eli Lilly Industries, Inc., San Juan</i>				
	<i>Upjohn Co. (iii vi xiv xv)</i>				
	Erythromycin stearate	(1)	(1)	(1)	
	<i>Upjohn Co. vi xiv xv)</i>				
	Residual Total	(1)	(1)	(1)	
294190	Antibiotics, nesi	(1)	(1)	(1)	
29419010	Natural antibiotics, nesi	8,324	(1)	(1)	
	Amphotericin B	(1)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	<i>Penick Corp.</i>				
	Antibiotics, for medicinal use, all other		(1)	(1)	
	<i>Abbott Laboratories</i>				
	<i>Merck & Co., Inc.</i>				
	Bacitracin (animal feed grade)		(1)	(1)	
	<i>Pittman Moore Inc., (Terre Haute, In)</i>				
	Cefaclor			(1)	
	<i>Eli Lilly & Co.</i>				
	Cefamandole	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	Cefazolin, sodium	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	Cefoxitin	(1)	(1)	(1)	
	<i>Merck & Co., Inc.</i>				
	Ceftazidime	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	Cephalexin	(1)	(1)		
	<i>Bristol Myers Squibb Co.</i>				
	<i>Eli Lilly & Co.</i>				
	<i>Eli Lilly & Co., Eli Lilly Industries, Inc., San Juan</i>				
	Cephalothin, sodium	(1)	(1)	(1)	
	<i>Eli Lilly & Co.</i>				
	Cephapirin, sodium	(1)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	Cephadrine	(9)	(1)	(1)	
	<i>Bristol Myers Squibb Co.</i>				
	<i>Kanasco, Ltd.</i>				
	Gentamycin		(1)	(1)	
	<i>Schering Corp.</i>				
	Lincomycin (animal feed grade)		(1)	(1)	
	<i>Upjohn Co. vi xiv xv)</i>				
	Lincomycin (medicinal grade)	(1)	(1)	(1)	
	<i>Abbott Laboratories</i>				
	<i>Upjohn Co. vi xiv xv)</i>				
	Neomycin (animal feed grade)			(1)	
	<i>Pfizer, Inc.</i>				
	<i>Upjohn Co. vi xiv xv)</i>				
	Neomycin (medicinal grade)	(1)	(1)	(1)	
	<i>Upjohn Co. (iii vi xiv xv)</i>				
	Polymyxin B	(1)			
	<i>Pfizer, Inc.</i>				
	Sisomycin	(1)	(1)	(1)	
	<i>Schering Corp.</i>				
	Residual Total	8,324	(1)	(9)	
29419030	Antibiotics, nesi, aromatic or modified aromatic, other than natural	(1)	(1)	(1)	
	Ceftiofur	(3)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29419030 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sandoz Chemicals Corp. (Mt. Holly) Upjohn Co. vi xiv xv)</i>				
	Cefuroxime <i>Eli Lilly & Co.</i>	(¹)		(¹)	
	Cefuroxime sodium <i>Eli Lilly & Co.</i>	(¹)	(1)	(1)	
	Residual Total		(¹)	(¹)	
29419050	Antibiotics nesi, other than aromatic or modified aromatic antibiotics		(¹)		
	Aztreonam <i>Bristol Myers Squibb Co.</i>	(1)	(1)	(1)	
	Clindamycin <i>Abbott Laboratories Upjohn Co. (iii vi xiv xv)</i>	(¹)	(¹)	(¹)	
	Hetacillin <i>Bristol Myers Squibb Co.</i>	(1)	(¹)	(¹)	
	Kanamycin <i>Bristol Myers Squibb Co.</i>	(¹)	(¹)	(¹)	
	Residual Total	(1)	(¹)	(¹)	
2941XX	HTS Level Residual Total	8,080	1,947	90,176	\$ 46.30
2942	Other organic compounds	(1)		(1)	
294200	Organic compounds, nesi		(1)	(1)	
29420005	Aromatic or modified aromatic drugs of other organic compounds, nesi	(¹)		(¹)	
	Cardiovascular agents, all other <i>Merck & Co., Inc.</i>		(¹)	(¹)	
	Central stimulants, all other <i>Upjohn Co. (iii vi xiv xv)</i>	(1)	(1)	(1)	
	Choleretics and hydrocholeretics, all other <i>Upjohn Co. vi xiv xv)</i>	(¹)	(1)	(1)	
	Leuprolide acetate <i>Abbott Laboratories</i>	(1)		(1)	
	Residual Total	(1)		(1)	
29420010	Aromatic or modified aromatic organic compounds, nesi, described in additional U.S. note 3 of section VI	(¹)	(¹)	(¹)	
	2-Benzyl-2'-hydroxy-5,9-dimethyl-6,7-benzomorphanhdrobromide <i>Sterling Drug, Inc. (Barceloneta)</i>	(1)	(1)	(1)	
	Cyclic chemicals, all other <i>Air Products & Chemicals, Inc. Akzo Chemicals, Inc. Arsynco, Inc., Sub. of Aceto Corp Bristol Myers Squibb Co. Company not disclosed Company not disclosed Eastman Kodak Co., Tennessee Eastman Co. Div. Ethyl Corp. Fragrance Resources, Inc. ISP Chemicals, Inc. Lonza, Inc. Parish Chemical Co.</i>	13,080	13,379	32,318	2.42

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales	Value	Average unit value
		1,000 Kilograms	Quantity 1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29420010 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Pierce Chemical Co.				
	Quaker Chemical Corp.				
	SCM Corp., Glidco Organics				
	Salsbury Chemicals, Inc.				
	Sandoz Chemicals Corp. (Martin Plant)				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Shepherd Chemical Co.				
	SpecialtyChem Products Corp.				
	Texaco Chemical Co.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Upjohn Co. vi xiv xv)				
	Upjohn Co., Fine Chemicals				
	Zeeland Chemical, Inc.				
	Hexahydro-1-1(2-aminophenyl)sulfonyl-1h-azepine	(¹)	(¹)	(¹)	
	Salsbury Chemicals, Inc.				
	Hexahydro-1[(2-nitrophenyl)sulfonyl]-1h-azepine	(¹)	(¹)	(¹)	
	Salsbury Chemicals, Inc.				
	Residual Total	(¹)	(¹)	(¹)	
29420020	Aromatic or modified aromatic organic compounds, nesi	350	(¹)	(¹)	
	Aldadiene	(1)	(1)	(1)	
	G.D. Searle & Co.				
	1-Amino-9,10-dihydro-9,10-dioxo-4-p-toluenesulfonamido-2-anthracenesulfonic acid, sodium salt	(1)	(¹)	(¹)	
	Miles, Inc.				
	N-Carboxy-N-methylantranilic anhydride	(¹)	(1)	(1)	
	Company not disclosed				
	5-Ethanoxy-3-trichloromethyl-1,2,4-thiadiazole	(1)	(1)	(1)	
	Olin Corp. (ii, iii, viii, ix, xii, xiv, xv)				
	Ethisterone	(i)	(1)	(1)	
	G.D. Searle & Co.				
	2-Hydroxymethylene-17a-ethinylandrosterone-3-one	(1)	(¹)	(¹)	
	Sterling Drug, Inc. (Barceloneta)				
	Nafcillin, sodium	(1)	(1)	(1)	
	Smithkline Beecham Pharmaceuticals				
	Wyeth Laboratories, Inc., Wyeth Laboratories Div.				
	Novobiocin, sodium	(¹)	(1)	(1)	
	Upjohn Co. (iii vi xiv xv)				
	Tris(2-methyl-1-aziridinyl)phosphine oxide	(1)	(¹)	(¹)	
	Arsynco, Inc., Sub. of Aceto Corp				
	Residual Total	350	(1)	(1)	
29420050	Nonaromatic organic compounds, nesi	95,183	(1)	(1)	
	7-Aminocephalosporanic acid	(1)	(1)	(1)	
	Bristol Myers Squibb Co.				
	Calcium polycarbophil	(¹)	(1)	(1)	
	B.I. Chemicals, Inc.				
	Hickson Danchem Corporation				
	Colestipol hydrochloride	(1)	(¹)	(1)	
	Upjohn Co. vi xiv xv)				
	Cyclic intermediates, all other	76,319	55,192	94,065	\$ 1.70
	BASF Corp (Parsippany, NJ)				
	Bristol Myers Squibb Co.				
	Cape Industries				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 29420060 —Continued					
<i>Chemical description/Manufacturer —Continued</i>					
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Cyclo Products Inc. (vi)</i>				
	<i>Cytec Industries</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Ethyl Corp.</i>				
	<i>First Chemical Corp</i>				
	<i>Henkel Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	<i>ITT Rayonier Liguin Products, Inc.</i>				
	<i>James River II, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Lonza, Inc.</i>				
	<i>Lord Corp., Chemical Products Div.</i>				
	<i>Mallinckrodt Speciality Chemicals Co. (Raleigh)</i>				
	<i>Miles, Inc.</i>				
	<i>Monsanto Co.</i>				
	<i>Occidental Chemical corp., ED&S Div.</i>				
	<i>Olin Corp. viii, ix, xii, xiv, xv)</i>				
	PMC Inc., PMC Specialities Group, Inc.				
	<i>Parish Chemical Co.</i>				
	<i>Parke Davis Div. of Warner Lambert, Inc.</i>				
	<i>Pfister Chemical, Inc.</i>				
	<i>Pfizer Pharmaceuticals, Inc.</i>				
	<i>Pfizer, Inc.</i>				
	<i>Pilot Chemical Co.</i>				
	<i>Poly Organix, Inc.</i>				
	<i>R.S.A. Corp.</i>				
	<i>Reilly Industries, Inc.</i>				
	<i>Salsbury Chemicals, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	<i>Sloss Industries</i>				
	<i>Sterling Drug, Inc. (Barceloneta)</i>				
	<i>Sterling Drug, Inc., Sterling Organics Div.</i>				
	<i>Synalloy Corp., Blackman Uhler Chemical Div.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Upjohn Co., tine Chemicals</i>				
	<i>Warner Jenkinson Co.</i>				
	<i>Zeeland Chemical, Inc.</i>				
	Cyclohexanesulfamic acid, calcium salt (Calcium cyclamate)	(1)	(1)	(1)	
	<i>Abbott Laboratories</i>				
	Cyclohexanesulfamic acid (Cyclamic acid)	(1)	(.)	(1)	
	<i>Abbott Laboratories</i>				
	Cyclohexanesulfamic acid, sodium salt (Sodium cyclamate)		(1)	(1)	
	<i>Abbott Laboratories</i>				
	Ethylene glycol dimercaptoacetate	(¹)	(¹)	(¹)	
	<i>WR Grace & Co., Organic Chemicals Div., Evans Chemetics</i>				
	2'-Hydroxy-5,9-dimethyl-6,7-benzomorphan	(1)	(1)	(1)	
	<i>Sterling Drug, Inc. (Barceloneta)</i>				
	Hygromycin B		(1)	(1)	
	<i>Eli Lilly & Co.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 29420050 —Continued					
	Medicinal chemicals, all other <i>Abbott Laboratories</i> <i>Beckman Instruments, Inc.</i> <i>Company not disclosed</i> <i>Eastman Kodak Co.</i>	(1)	(¹)	(¹)	
	Miscellaneous acyclic chemicals, all other <i>Akzo Chemicals, Inc.</i> <i>BASF Corp (Parsippany, NJ)</i> <i>Cargill, Inc.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Cytec Industries</i> <i>Deepwater Iodides, Inc.</i> <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Elf Atochem North America, Inc.</i> <i>Exxon Chemical Americas</i> <i>Fragrance Resources, Inc.</i> <i>Hickson Danchem Corporation</i> <i>Mackenzie Chemical Works, Inc.</i> <i>Milliken & Co., Milliken Chemical Div.</i> <i>Olin Corp. viii, ix, xii, xiv, xv)</i> <i>Parish Chemical Co.</i> <i>Pierce Chemical Co.</i> <i>Sandoz Chemicals Corp. (Mt. Holly)</i> <i>SpecialtyChem Products Corp.</i> <i>Sybron Chemicals, Inc.</i> <i>Tull Chemical Co., Inc.</i> <i>Uniroyal Chemical Co., Inc.</i> <i>Upjohn Co. vi xiv xv)</i> <i>Upjohn Co., Rite Chemicals</i> <i>Vanchem, Inc.</i> <i>West Point Pepperell, Inc., Grifftex Chem. Co.</i> <i>Zeeland Chemical, Inc.</i>	10,907	8,200	23,544	S 2.87
	Oxidized Fischer-Tropsch wax <i>Sequa Chemicals, Inc.</i>	(1)	(¹)	(¹)	
	Oxo process bottoms <i>Chemical Exchange Industries, Inc.</i>	(1)	(1)	(1)	
	Povidone - iodine <i>ISP Chemicals, Inc.</i>	(1)	(¹)	(¹)	
	Tubocurarine <i>Abbott Laboratories</i>		(¹)	(¹)	
	Residual Total	7,956	(1)	(1)	
29XX	HTS Level Residual Total	7,641	11,509	36,548	3.18
30	Pharmaceutical products	108	68	43,150	631.34
3001	Glands and other organs for organotherapeutic uses, dried, whether or not powdered; extracts of glands or other organs or of their secretions for organotherapeutic uses; heparin and its salts; other human or animal substances prepared for therapeutic or prophylactic uses, not elsewhere specified or included	(1)	(1)		
300110	Glands and other organs for organotherapeutic uses, dried, whether or not powdered	(¹)	(¹)		
30011000	Glands and other organs for organotherapeutic uses, dried, whether or not powdered		(¹)	(1)	
	Thyroid <i>Armour pharmaceutical Co.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 30011000 —Continued					
	Residual Total	(1)	(¹)	(¹)	
300120	Extracts of glands or other organs or of their secretions for organotherapeutic uses	(¹)	(¹)	(¹)	
30012000	Extracts of glands or other organs or of their secretions for organotherapeutic uses	(1)	(1)	(1)	
	Alprostadil	(1)	(1)	(¹)	
	Company not disclosed				
	Dinoprost tromethamine	(1)	(1)	(1)	
	Upjohn Co. (iii vi xiv xyl)				
	Residual Total	(¹)	(¹)	(¹)	
300190	Heparin and its salts; other human or animal substances prepared for therapeutic or prophylactic uses, nesi	(1)	(1)	(1)	
30019000	Heparin and its salts; other human or animal substances prepared for therapeutic or prophylactic uses, nesi	(1)	(¹)	(¹)	
	Albumin	(1)	(1)	(1)	
	Scientific Protein Laboratories				
	Ammonium heparin	(1)	(1)	(1)	
	Scientific Protein Laboratories				
	Benzalkonium heparin	(1)	(1)	(1)	
	3M Pharmaceuticals				
	Lithium heparin	(1)	(1)	(1)	
	Scientific Protein Laboratories				
	Sodium heparin	(1)	(1)	(1)	
	Scientific Protein Laboratories				
	Residual Total	(¹)	(1)	(1)	
3003	Medicaments (excluding goods of heading 3002, 3005 or 3006) consisting of two or more constituents which have been mixed together for therapeutic or prophylactic uses, not put up in measured doses or in forms or packings for retail sale	(¹)	(1)	(1)	
300390	Medicaments nesi, not in dosage form or packed for retail sale	(1)	(1)	(1)	
30039000	Medicaments nesi, not dosage form and not packed for retail	(1)	(1)	(1)	
	Dimenhydrinate	(1)	(1)	(1)	
	Ganes Chemicals, Inc.				
	Iron dextran	(1)	(1)	(1)	
	Abbott Laboratories				
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Residual Total	(¹)	(¹)	(¹)	
300390XX	HTS Level Residual Total	(1)	(¹)	(¹)	
3003XX	HTS Level Residual Total	(¹)	(¹)	(¹)	
3004	Medicaments (excluding goods of heading 3002, 3005 or 3006) consisting of mixed or unmixed products for therapeutic or prophylactic uses, put up in measured doses or in forms or packings for retail sale	(1)	(1)	(1)	
300490	Certain medicaments put up in measured doses or in forms or packings for retail sale, nesi	(¹)	(1)	(1)	
	Aminobenzoic acid	(1)	(1)	(1)	
	Wyckoff Chemical Co., Inc.				
	Residual Total	(¹)	(¹)	(¹)	
3006	Pharmaceutical products specified in note 3 to this chapter	(¹)	(¹)	(¹)	
300630	Opacifying preparations for X-ray examinations; diagnostic reagents designed to be administered to the patient	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
30063050	Opacifying preparations for X-ray examinations: diagnostic reagents designed to be administered to the patient, nesi		(1)	(1)	
	Diagnostic agents, other than roentgenographic contrast media, all other		(1)	(1)	
	<i>Pfizer, Inc.</i>				
	Residual Total		(1)	(1)	
30XX	HTS Level Residual Total	108	51	43,150	\$8 3 9.2 7
31	Fertilizers	9,397,562	4,263,770	621,948	0.15
3102	Mineral or chemical fertilizers, nitrogenous	(1)	4,263,770	621,948	0.15
310210	Urea, whether or not in aqueous solution		4,263,770	621,948	0.15
31021000	Urea, whether or not in aqueous solution	(1)	4,263,770	621,948	0.15
	Urea in feed compounds (100% Basis)	190,731	186,284	30,256	0.16
	<i>BP Chemicals, Inc.</i>				
	<i>Coastal Chem, Inc.</i>				
	<i>Cominco Fertilizers, Inc.</i>				
	<i>Terra International, Inc.</i>				
	<i>Terra International, Inc.</i>				
	<i>Triad Chemical</i>				
	Urea in liquid fertilizer (100% Basis)	1,171,721	873,641	105,611	0.12
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Arcadian Corp.</i>				
	<i>BP Chemicals, Inc.</i>				
	<i>Borden Chemical & Plastics Delaware Limited Partnership</i>				
	<i>CF Industries, Inc.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Farmland Industries, Inc.</i>				
	<i>J.R. Simplot</i>				
	<i>Laroche Industries, Inc.</i>				
	<i>Mississippi Chemical Corp.</i>				
	<i>Terra International, Inc.</i>				
	<i>Terra International, Inc.</i>				
	<i>Union Oil Co. of California</i>				
	<i>Wil Gro Fertilizer, Inc.</i>				
	Urea in plastics (100% Basis)	(1)		(1)	
	<i>BP Chemicals, Inc.</i>				
	<i>Borden Chemical & Plastics Delaware Limited Partnership</i>				
	<i>Triad Chemical</i>				
	Urea in solid fertilizer (100% Basis)	3,075,439	2,882,504	426,396	0.15
	<i>Arcadian Corp.</i>				
	<i>BP Chemicals, Inc.</i>				
	<i>Borden Chemical & Plastics Delaware Limited Partnership</i>				
	<i>CF Industries, Inc.</i>				
	<i>Coastal Chem, Inc.</i>				
	<i>Cominco Fertilizers, Inc.</i>				
	<i>Farmland Industries, Inc.</i>				
	<i>Freeport McMoran Resource Partners</i>				
	<i>Terra International, Inc.</i>				
	<i>Triad Chemical</i>				
	<i>Union Oil Co. of California</i>				
	Urea, primary solution (Report on 100% urea-content basis)	4,676,814	(t)	(1)	
	<i>Arcadian Corp.</i>				
	<i>BP Chemicals, Inc.</i>				
	<i>Borden Chemical & Plastics Delaware Limited Partnership</i>				
	<i>CF Industries, Inc.</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Coastal Chem, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 31021000 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Cominco Fertilizers, Inc.</i>				
	<i>Farmland Industries, Inc.</i>				
	<i>Freeport McMoran Resource Partners</i>				
	<i>J.R. Simplot</i>				
	<i>Laroche Industries, Inc.</i>				
	<i>Mississippi Chemical Corp.</i>				
	<i>Terra International, Inc.</i>				
	<i>Terra International, Inc.</i>				
	<i>Triad Chemical</i>				
	<i>Union Oil Co. of California</i>				
	<i>Wil Gro Fertilizer, Inc.</i>				
	Residual Total	(¹)	321,340	59,685	\$ 0.19
32	Tanning or dyeing extracts; tannins and their derivatives; dyes, pigments and other coloring matter; paints and varnishes; putty and other mastics; inks	(¹)	(¹)	(¹)	
3202	Synthetic organic tanning substances; inorganic tanning substances; tanning preparations, whether or not containing natural tanning substances; enzymatic preparations for pre-tanning	(1)	(1)	(1)	
320210	Synthetic organic tanning substances	(1)	(1)	(1)	
32021010	Aromatic or modified aromatic synthetic organic tanning substances	(¹)	(¹)	(¹)	
	Tannic acid, N.F.	(¹)	(¹)	(¹)	
	<i>Mallinckrodt Speciality Chemicals Co.</i>				
	Residual Total	(1)	(¹)	(¹)	
3204	Synthetic organic coloring matter, whether or not chemically defined; preparations based on synthetic organic coloring matter as specified in note 3 to this chapter; synthetic organic products of a kind used as fluorescent brightening agents or as luminophores, whether or not chemically defined	217,665	195,354	1,732,327	8.87
320411	Disperse dyes and preparations based thereon	(¹)	(¹)	(¹)	
32041110	Disperse blue 19 and other specified dispersed dyes and preparations based thereon	(1)	(1)	(1)	
	Disperse Blue 56	(¹)	(¹)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Blue 73	(1)	(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Blue 79	4,074		(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>Synalloy Corp., Blackman Uhler Chemical Div.</i>				
	Disperse Blue 148	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Disperse Blue 183	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Blue 200	(¹)	(¹)	(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Disperse Green 9	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Disperse Red 73	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 278	(¹)	(¹)	(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041110 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Disperse Violet 33 <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	(1)	(1)	
	Disperse Violet 48 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(1)	(1)	(1)	
	Disperse Yellow 126 <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
32041120	Disperse dyes nesi, and preparations based thereon described in additional U.S. note 3 to section VI	11,671	10,766	64,649	\$ 6.00
	Disperse Black 9 <i>Crompton & Knowles Corp. Eastman Kodak Co., Tennessee Eastman Co. Div. Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	
	Disperse Blue 1 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Disperse Blue 3 <i>Crompton & Knowles Corp. Eastman Kodak Co., Tennessee Eastman Co. Div. Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	
	Disperse blue 14 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Disperse Blue 27 <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Disperse Blue 60 BASF Corp (Parsippany, NJ)	(1)	(1)	(1)	
	Disperse Blue 62 <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Disperse Blue 64 <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Disperse Blue 102 <i>Crompton & Knowles Corp. Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Disperse Blue 118 <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Disperse Blue 359 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Disperse Brown 1 <i>Crompton & Knowles Corp. Sandoz Chemicals Corp. (Martin Plant) Sandoz Chemicals Corp. (Mt. Holly) Synalloy Corp., Blackman Uhler Chemical Div.</i>	315	261	2,572	9.86
	Disperse Brown 26 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Disperse Orange 3 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Disperse Orange 25 and 25:1 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Disperse Orange 29 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Disperse Orange 30 <i>Crompton & Knowles Corp. Sandoz Chemicals Corp. (Martin Plant) Sandoz Chemicals Corp. (Mt. Holly) Synalloy Corp., Blackman Uhler Chemical Div.</i>	820	658	4,804	7.30
	Disperse Orange 37 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Disperse Orange 41 <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041120 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Orange 44 and 44:1	(1)		(1)	
	<i>Crompton & Know/es Corp.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Orange 89	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 1	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 5	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 11	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 13		(1)		
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 17		(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 22	(1)	(1)	(1)	
	<i>Morton International, Inc.,</i>				
	Disperse Red 30	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 50	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 55		(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Disperse Red 60	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 65	(1)	(1)	(1)	
	<i>Crompton & Know/es Corp.</i>				
	Disperse Red 86	(1)	(1)	(1)	
	<i>Crompton & Know/es Corp.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 88	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 91	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Disperse Red 117	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 135	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 136	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 137	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Disperse Red 145	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Disperse Red 159	(9)	(1)	(1)	
	<i>Miles, Inc.</i>				
	Disperse Red 167 and 167:1	1,022	613	2,049	\$ 3.34
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 177	(1)		(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Disperse Red 179		(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041120 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	BASF Corp (Parsippany, NJ)				
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Red 313	(1)	(¹)	(¹)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Violet 1	(1)	(¹)	(¹)	
	Crompton & Knowles Corp.				
	Disperse Violet 17	(1)	(¹)	(1)	
	Crompton & Knowles Corp.				
	Disperse Yellow 3	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Disperse Yellow 23	(¹)	(¹)	(¹)	
	Crompton & Knowles Corp.				
	Disperse Yellow 34	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse Yellow 42	(1)	(¹)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Yellow 54	(¹)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Disperse Yellow 64	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Hoechst Celanese Corp., Specialty Chem Group, Coventry				
	Disperse Yellow 77	(1)		(1)	
	Miles, Inc.				
	Disperse Yellow 86	(1)	(¹)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse Yellow 88	(¹)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse Yellow 108	(¹)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse Yellow 114	(1)	(1)	(1)	
	Hoechst Celanese Corp., Specialty Chem Group, Coventry				
	Disperse Yellow 198	(¹)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Disperse Yellow 238	(¹)	(¹)	(1)	
	Crompton & Knowles Corp.				
	Disperse Yellow 239	(1)	(¹)		
	Crompton & Knowles Corp.				
	Residual Total	9,515	9,233	55,224	\$ 5.98
	Disperse Red 4	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Residual Total	(1)		(1)	
32041150	Disperse dyes and preparations based thereon, nesi	5,283	4,495	29,696	6.61
	Disperse black dyes, all other	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Disperse Blue 175	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Disperse Blue 281	(¹)	(¹)	(¹)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Blue 291	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Blue 333	(¹)	(¹)		
	Hoechst Celanese Corp., Specialty Chem Group, Coventry				
	Disperse Blue 337	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse blue dyes, all other	(¹)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041160 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	ICI Americas, Inc., Specialty Chemicals Div.				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Synalloy Corp., Blackman Uhler Chemical Div.				
	Disperse Brown 18	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Brown 22	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse Orange 73	(¹)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Crompton & Knowles Corp.				
	Disperse Orange 138	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse orangee 153	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Disperse Red 74	(1)	(¹)	(¹)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Red 153	(1)	(¹)	(¹)	
	Crompton & Knowles Corp.				
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Red 263	(1)	(¹)	(¹)	
	BASF Corp (Parsippany, NJ)				
	Disperse Red 273	(¹)	(¹)	(¹)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Red 274	(¹)	(¹)	(¹)	
	Crompton & Knowles Corp.				
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Red 305	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse Red 307	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse Red 311	(1)	(1)	(1)	
	ICI Americas, Inc., Specialty Chemicals Div.				
	Disperse Red 316	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Red 325	(1)	(¹)	(¹)	
	Crompton & Knowles Corp.				
	Disperse Red 333	(1)	(1)	(¹)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Red 338	(¹)	(¹)	(¹)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse Red 339	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse Red 340	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse Red 345	(1)	(¹)	(1)	
	Crompton & Knowles Corp.				
	Disperse red dyes, all other	(¹)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Disperse Violet 36	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse Violet 60	(¹)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Disperse violet dyes, all other	(¹)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Disperse yellow dyes, all other	(¹)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Crompton & Knowles Corp.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041160 — Continued					
<i>Chemical description/Manufacturer — Continued</i>					
	<i>ICI Americas, Inc., Specialty Chemicals Div. Miles, Inc.</i>				
	Residual Total	5,283	4,495	27,524	\$ 6.12
320412	Acid dyes, whether or not premetallized, and preparations based thereon: mordant dyes and preparations based thereon	(1)	V)	(1)	
32041210	Acid black 31 and other specified acid and mordant dyes and preparations based thereon	(1)	(1)	(1)	
	Acid Brown 188	CI	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Brown 189	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Residual Total	CI	(1)	(1)	
32041220	Acid black 61 and other specified acid and mordant dyes and preparations based thereon	797	727	9,883	13.60
	Acid Black 63	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Black 194	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid black dyes, all other	0)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Blue 193	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Brown 50	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Brown 147	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Brown 159	V)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Brown 160	V)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Brown 161	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Brown 165	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Brown 239	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 89	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Red 57	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 226	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Red 227	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Red 361	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Acid Yellow 135	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Acid yellow 137	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Yellow 199	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Residual Total	797	727	9,883	13.60
32041240	Synthetic acid and mordant dyes and preparations based thereon, described in additional U.S. note 3 to section VI	4,350	4,926	56,615	11.49
	Acid Black 1	(1)	V)	(1)	

See endnotes at end of table.

Table 3 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041240 —Continued					
Chemical description/Manufacturer—Continued					
	C Lever Co., Inc. Crompton & Knowles Corp.				
	Acid Black 2	(¹)	(1)		
	C Lever Co., Inc. Crompton & Knowles Corp.				
	Acid Black 52	(1)	(1)	(¹)	
	Crompton & Knowles Corp. Sandoz Chemicals Corp. (Martin Plant)				
	Acid Black 60	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Black 92	(1)	(1)	(1)	
	Fabricolor Manufacturing Corp.				
	Acid Black 107	(¹)	(9)	(¹)	
	Crompton & Knowles Corp.				
	Acid Black 172	(¹)	(9)	(¹)	
	Crompton & Knowles Corp.				
	Acid Black 210	(1)	(¹)	(1)	
	BASF Corp (Parsippany, NJ)				
	Acid Blue 9	(¹)	(¹)	(9)	
	BASF Corp (Parsippany, NJ)				
	C Lever Co., Inc. Hilton Davis Company Warner Jenkinson Co.				
	Acid Blue 15	(1)	(¹)	(9)	
	BASF Corp (Parsippany, NJ)				
	Acid Blue 25	(1)	(9)	(¹)	
	Miles, Inc.				
	Acid Blue 29	(1)	(¹)	(¹)	
	Fabricolor Manufacturing Corp.				
	Acid Blue 40	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Blue 41	(¹)	(¹)	(1)	
	Crompton & Knowles Corp.				
	Acid Blue 62	(¹)	(¹)	(9)	
	Crompton & Knowles Corp.				
	Acid Blue 90	(¹)	(¹)	(¹)	
	BASF Corp (Parsippany, NJ)				
	Acid Blue 92	(1)	(¹)	(¹)	
	Fabricolor Manufacturing Corp.				
	Acid Blue 113	(1)	(¹)	(1)	
	Crompton & Knowles Corp.				
	Acid Blue 145	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Blue 231	(¹)	(¹)	(¹)	
	Crompton & Knowles Corp.				
	Acid Blue 277	(1)	(9)	(1)	
	Ciba Geigy Corp.				
	Acid Blue 298	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Acid Brown 14	(¹)	(1)	(¹)	
	C Lever Co., Inc. Crompton & Knowles Corp. Fabricolor Manufacturing Corp.				
	Acid Brown 19	(1)	(¹)	(1)	
	Crompton & Knowles Corp.				
	Acid Brown 97	(1)	(¹)	(1)	
	BASF Corp (Parsippany, NJ) Fabricolor Manufacturing Corp.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041240 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Acid Brown 98	(1)	(¹)	(¹)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Brown 439	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Green 16	(¹)	(1)	(1)	
	<i>C Lever Co., Inc.</i>				
	Acid Green 20	(¹)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Green 25	(¹)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 7	(¹)	(²)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>C Lever Co., Inc.</i>				
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 8	(1)	(¹)	(¹)	
	BASF Corp (Parsippany, NJ)				
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 10	(1)	(1)	(11)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 24		(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Orange 60	(1)	(¹)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 64	(¹)	(²)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 116		(¹)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 128		(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 152	(1)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Orange 156	(1)	(11)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 1	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 4	(1)	(1)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Red 14	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 33	(1)	(²)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Red 73	(1)	(1)	(1)	
	<i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>				
	Acid Red 87	(1)	(¹)	(¹)	
	<i>Hilton Davis Company</i>				
	Acid Red 88	(¹)	(1)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Red 119	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 151	(¹)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 182	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Miles, Inc.</i>				
	Acid Red 266	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041240 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Miles, Inc.</i>				
	Acid Red 278	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 296	(1)	(1)		
	<i>BASF Corp (Parsippany, NJ)</i>				
	Acid Red 299	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 337	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Miles, Inc.</i>				
	Acid Red 364	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 384	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 388	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Violet 3	(1)	(1)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Violet 7	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Violet 12	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Violet 17		(1)		
	<i>Hilton Davis Company</i>				
	Acid Violet 49	(1)	(1)		
	<i>Hilton Davis Company</i>				
	Acid Yellow 17	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Hilton Davis Company</i>				
	Acid Yellow 19	(1)		(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Yellow 23	74	228	2,356	\$ 10.34
	BASF Corp (Parsippany, NJ)				
	<i>C Lever Co., Inc.</i>				
	<i>Hilton Davis Company</i>				
	<i>Warner Jenkinson Co.</i>				
	Acid Yellow 29	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Yellow 42	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Yellow 49	(1)	(1)	(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Acid Yellow 59	(1)	(1)		
	BASF Corp (Parsippany, NJ)				
	<i>Crompton & Knowles Corp.</i>				
	Acid Yellow 65	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Yellow 73	(1)	(1)	(1)	
	<i>Hilton Davis Company</i>				
	Acid Yellow 151	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Yellow 159	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Yellow 200		(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041240 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	Acid Yellow 219		(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Residual Total	4,277	4,698	54,259	\$ 11.55
32041250	Synthetic acid and mordant dyes and preparations based thereon, nesi	(¹)	(¹)	(¹)	
	Acid Blue 281	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Blue 321	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Blue 324	650	586	11,293	19.28
	<i>Crompton & Knowles Corp.</i>				
	<i>Miles, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Acid blue dyes, all other	(¹)	(¹)	(¹)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	Acid Brown 264	0)	0)	(¹)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Acid brown dyes, all other	(¹)	(¹)	0)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Acid green dyes, all other	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Acid orange dyes, all other	(¹)	(¹)	(¹)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Acid Red 400	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 410	(¹)	01	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 418	(¹)	0)	01	
	<i>Crompton & Knowles Corp.</i>				
	Acid Red 419	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	Acid red dyes, all other	(¹)	(¹)	(¹)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Crompton & Know/es Corp.</i>				
	Acid Yellow 5	(¹)	(¹)	(¹)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Acid Yellow 226	(¹)	(¹)	(¹)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Acid Yellow 239	(¹)	(¹)	(¹)	
	<i>Day Glo Color Corp</i>				
	Acid yellow dyes, all other	(¹)	(¹)	19	
	<i>Crompton & Knowles Corp.</i>				
	Residual Total	(¹)	(¹)		
320413	Basic dyes and preparations based thereon	(¹)	5,172	76,436	14.78
32041310	Basic black 7 and other specified basic dyes and preparations based thereon	(¹)	(¹)	(¹)	
	Basic Blue 41	(¹)	(¹)	(¹)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Basic Red 29	(¹)	01	(¹)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Basic Red 46		(¹)	(¹)	
	<i>Crompton & Know/es Corp.</i>				
	Residual Total	(¹)		(¹)	
32041325	Basic blue 3; basic red 14; and basic yellow 1, 11, 13; and preparations based thereon	(¹)		(¹)	
	Basic Blue 3	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041325 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	BASF Corp (Parsippany, NJ) Crompton & Knowles Corp.				
	Basic Red 14	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ) Miles, Inc.				
	Basic Yellow 11	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Residual Total		(1)	(1)	
32041330	Basic dyes nesi, and preparations based thereon, described in additional U.S. note 3 to section VI	2,665	2,767	36,128	\$ 13.06
	Basic Black 1		(1)	(1)	
	Company not disclosed				
	Basic Blue 1	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Basic Blue 7	(1)	(1)		
	Dye Specialties, Inc.				
	Basic Blue 12	(1)	(1)	(1)	
	Fabricolor Manufacturing Corp.				
	Basic Blue 21	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Basic Blue 60	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Basic Blue 77	(1)		(1)	
	Crompton & Knowles Corp.				
	Basic Blue 94 and 94:1	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Basic Blue 152	(1)	(1)		
	BASF Corp (Parsippany, NJ)				
	Basic Brown 1	(1)	(1)	(1)	
	Passaic Color & Chemical Co., Division of Royce Assoc.				
	Basic Brown 4	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Passaic Color & Chemical Co., Division of Royce Assoc.				
	Basic Green 4	(1)		(1)	
	BASF Corp (Parsippany, NJ)				
	Company not disclosed				
	Basic Orange 1	(1)		(1)	
	BASF Corp (Parsippany, NJ)				
	Crompton & Knowles Corp.				
	Basic Orange 2	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Passaic Color & Chemical Co., Division of Royce Assoc.				
	Basic Orange 21	(1)	(1)		
	Crompton & Knowles Corp.				
	Basic Red 11	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Basic Red 12	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Miles, Inc.				
	Basic Red 15	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Crompton & Knowles Corp.				
	Basic Red 17	(1)		(1)	
	Crompton & Knowles Corp.				
	Basic Red 49	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Basic Red 73	(1)	(1)	(1)	
	Crompton & Knowles Corp.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041330 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	Basic Violet 1	(1)		(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Dye Specialties, Inc.</i>				
	Basic Violet 3	V)		(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Dye Specialties, Inc.</i>				
	Basic Violet 4		(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Dye Specialties, Inc.</i>				
	Basic Violet 10	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Basic violet 11	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Basic Violet 16	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Miles, Inc.</i>				
	Basic Violet 35	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Basic Yellow 15	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Basic Yellow 28	(1)	(1)	V1	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Miles, Inc.</i>				
	Basic Yellow 29	(1)	V)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Basic Yellow 40	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Basic Yellow 51	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Basic Yellow 53	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Basic Yellow 58	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	Basic Yellow 78	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Basic Yellow 79	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Basic Yellow 83	(1)	V)	V)	
	<i>Crompton & Knowles Corp.</i>				
	Basic Yellow 94	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Basic Yellow 98	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Residual Total	2,665	2,767	36,128	\$ 13.06
32041350	Basic dyes and preparations based thereon, nesi	V)	(1)	V)	
	Basic black dyes, all other	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Company not disclosed</i>				
	Basic black dyes, all other, modified	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	Basic Blue 140	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Basic Blue 162	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany NJ)</i>				
	Basic blue dyes, all other	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041360 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Company not disclosed</i>				
	Basic brown dyes, all other <i>BASF Corp (Parsippany, NJ)</i>	(1)	(1)	(1)	
	Basic orange dyes, all other <i>Company not disclosed</i>	(1)	(1)	0)	
	Basic Red 104 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Basic red dyes, all other BASF Corp (Parsippany, NJ) <i>Company not disclosed</i>	(1)	(1)	(1)	
	Basic violet dyes, all other BASF Corp (Parsippany, NJ) <i>Company not disclosed</i>	(1)	(1)	(1)	
	Basic Yellow 96 BASF Corp (Parsippany, NJ)	(1)	(1)	(1)	
	Basic yellow dyes, all other <i>Alliance Chemical, Inc.</i> <i>Hilton Davis Company</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
320413XX	HTS Level Residual Total	(1)	2,405	40,308	\$ 16.76
320414	Direct dyes and preparations based thereon	(1)	(1)	(1)	
32041410	Direct black 62 and other specified basic dyes and preparations based thereon	(1)	(1)	(1)	
	Direct Blue 108 <i>Crompton & Knowles Corp.</i> <i>Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	
	Direct Blue 160 <i>Crompton & Knowles Corp.</i>	(1)	(1)	PI	
	Residual Total	(1)	(1)	(1)	
32041420	Direct black 51 and other specified basic dyes and preparations based thereon	(1)	(1)	(1)	
	Direct Orange 118 <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	(1)	(1)	
	Direct Red 9 <i>Crompton & Knowles Corp.</i> <i>Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	
	Direct Yellow 133 <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
32041425	Direct blue 86; direct red 83; direct yellow 28 dyes; and preparations based thereon	(1)	(1)	(1)	
	Direct Blue 86 <i>Crompton & Knowles Corp.</i> <i>Miles, Inc.</i> <i>Sandoz Chemicals Corp. (Martin Plant)</i>	376	357	2,824	7.91
	Direct Red 83 <i>Crompton & Knowles Corp.</i> <i>Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
32041430	Direct dyes nesl, and preparations based thereon, described in additional U.S. note 3 to section VI	12,952	12,267	80,302	6.55
	Direct Black 22 <i>Ciba Geigy Corp.</i> <i>Crompton & Knowles Corp.</i> <i>Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	
	Direct Black 80 <i>Crompton & Knowles Corp.</i> <i>Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041430 — Continued					
<i>Chemical description/Manufacturer — Continued</i>					
	Direct Black 163 Sandoz Chemicals Corp. (Martin Plant)	(¹)		(¹)	
	Direct Blue 1 C Lever Co., Inc.	(¹)	(¹)	(¹)	
	Direct Blue 14 Fabricolor Manufacturing Corp.		(¹)		
	Direct Blue 15 Miles, Inc.	(¹)	(¹)	(¹)	
	Direct Blue 25 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Blue 75 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Blue 78 Sandoz Chemicals Corp. (Martin Plant)			(¹)	
	Direct Blue 78 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Blue 80 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Blue 80 Fabricolor Manufacturing Corp.		(¹)	(¹)	
	Direct Blue 98 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Blue 98 Fabricolor Manufacturing Corp.		(¹)	(¹)	
	Direct Blue 100 Fabricolor Manufacturing Corp.	(¹)	(¹)	(¹)	
	Direct Blue 120, 120:1, 120:2, and 120:3 Fabricolor Manufacturing Corp.	(¹)	(¹)	(¹)	
	Direct Blue 189 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Blue 191 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Blue 191 Fabricolor Manufacturing Corp.		(¹)	(¹)	
	Direct Blue 199 BASF Corp (Parsippany, NJ)	(¹)	(¹)	(¹)	
	Direct Blue 199 Miles, Inc.			(¹)	
	Direct Blue 199 Sandoz Chemicals Corp. (Martin Plant)			(¹)	
	Direct Blue 218 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Blue 218 Fabricolor Manufacturing Corp.		(¹)	(¹)	
	Direct Blue 218 Miles, Inc.			(¹)	
	Direct Brown 44 Fabricolor Manufacturing Corp.	(¹)	(¹)	(¹)	
	Direct Orange 15 Miles, Inc.	(¹)	(¹)	(¹)	
	Direct Orange 34 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Orange 34 Fabricolor Manufacturing Corp.		(¹)	(¹)	
	Direct Orange 39 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Orange 72 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Orange 72 Crompton & Knowles Corp.		(¹)	(¹)	
	Direct Orange 102 BASF Corp (Parsippany, NJ)	371	331	1,857	\$ 5.61
	Direct Orange 102 Ciba Geigy Corp.				
	Direct Orange 102 Crompton & Knowles Corp.				
	Direct Orange 102 Miles, Inc.				
	Direct Red 16 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Red 16 Fabricolor Manufacturing Corp.		(¹)	(¹)	
	Direct Red 24 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued

Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 32041430 —Continued					
Chemical description/Manufacturer—Continued					
	Crompton & Knowles Corp. Fabricolor Manufacturing Corp.				
	Direct Red 26 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Red 72 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Red 73 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Red 80 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Red 81 Crompton & Knowles Corp. Fabricolor Manufacturing Corp. Miles, Inc.	(¹)	V)	(¹)	
	Direct Red 224 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Red 227 Crompton & Knowles Corp.	(¹)	(¹)	(¹)	
	Direct Red 236 BASF Corp (Parsippany, NJ) Miles, Inc.	19	(¹)	(¹)	
	Direct Red 238 Miles, Inc.		(¹)	(¹)	
	Direct Red 239 BASF Corp (Parsippany, NJ) Crompton & Knowles Corp. Sandoz Chemicals Corp. (Martin Plant)		(¹)	(¹)	
	Direct Violet 66 Crompton & Knowles Corp.		(¹)	(¹)	
	Direct Yellow 4 BASF Corp (Parsippany, NJ) C Lever Co., Inc. Miles, Inc.	(¹)	(¹)	(¹)	
	Direct Yellow 5 BASF Corp (Parsippany, NJ)	(¹)	(¹)	(¹)	
	Direct Yellow 6 BASF Corp (Parsippany, NJ) Ciba Geigy Corp. Miles, Inc.	(¹)	(¹)	(¹)	
	Direct Yellow 11 BASF Corp (Parsippany, NJ) Ciba Geigy Corp. Miles, Inc.	3,706	3,655	10,238	2.80
	Direct Yellow 51 Sandoz Chemicals Corp. (Martin Plant)	(¹)	(¹)	(¹)	
	Direct Yellow 127 BASF Corp (Parsippany, NJ) Miles, Inc. Sandoz Chemicals Corp. (Martin Plant)	314	(¹)	(¹)	
	Direct Yellow 131 Miles, Inc.	(¹)	0)	V)	
	Direct Yellow 132 Sandoz Chemicals Corp. (Martin Plant)	(¹)	(¹)	(¹)	
	Direct Yellow 137 Miles, Inc.	01	(¹)	(¹)	
	Direct Yellow 147 BASF Corp (Parsippany, NJ) Fabricolor Manufacturing Corp.	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041430 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Miles, Inc.</i>				
	Residual Total	8,561	8,282	55,784	\$ 6.74
32041450	Direct dyes and preparations based thereon, nesi	5,221	5,534	41,445	7.49
	Direct Black 165	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct Black 170	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct black 179	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Direct black dyes, all other	243	656	4,224	6.44
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Miles, Inc.</i>				
	Direct Blue 273	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Blue 281	(1)		(1)	
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	Direct Blue 283	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Direct Blue 286	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Direct blue dyes, all other	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Miles, Inc.</i>				
	Direct Brown 232	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Direct brown dyes, all other	(1)	(1)		
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Miles, Inc.</i>				
	Direct green dyes, all other	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	Direct orange dyes, all other	(1)		(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Direct Red 254	985	1,011	6,377	6.31
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>C Lever Co., Inc.</i>				
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Miles, Inc.</i>				
	Direct red dyes, all other	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Miles, Inc.</i>				
	Direct Violet 35	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Direct Violet 99	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	Direct Violet 195	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Direct violet dyes, all other	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041450 — Continued					
<i>Chemical description/Manufacturer — Continued</i>					
	Direct Yellow 119 <i>Miles, Inc.</i>	(1)	(¹)	(¹)	
	Direct Yellow 148 <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	(¹)	(¹)	
	Direct yellow 166 <i>Ciba Geigy Corp.</i>	(1)	(¹)	(¹)	
	Direct yellow dyes, all other BASF Corp (Parsippany, NJ) <i>Miles, Inc.</i>	(1)	(1)	(1)	
	Reactive Red 24 <i>Ciba Geigy Corp.</i>	(1)	(1)	(¹)	
	Residual Total	3,993	3,867	30,844	\$ 7.98
320415	Vat dyes (including those usable in that state as pigments) and preparations based thereon	(¹)	(¹)	(¹)	
32041510	Vat blue 1 (synthetic indigo) dye, "Colour Index No. 73000" and preparations based thereon	(¹)	(¹)	(1)	
	Vat Blue 1, 20% <i>Buffalo Color Corp.</i>		(I)	(1)	
	Residual Total		(1)	(1)	
32041520	Vat brown 3; vat orange 2,7; and vat violet 9, 13 dyes and preparations based thereon	207	238	3,776	15.89
	Vat Orange 2, 12% BASF Corp (Parsippany, NJ)	(1)		(1)	
	Vat Orange 7, 11% <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(¹)	(¹)	(¹)	
	Vat Violet 13, 6-1/4% BASF Corp (Parsippany, NJ) <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(¹)	(¹)		
	Residual Total	207	238	3,776	15.89
32041530	Solubilized vat blue 5 and specified solubilized vat dyes and preparations based thereon	(1)	(¹)	(¹)	
	Vat Blue 16, 16% BASF Corp (Parsippany, NJ)	(¹)	(¹)		
	Vat Blue 66 BASF Corp (Parsippany, NJ)	(1)	(1)		
	Vat Red 10, 18% BASF Corp (Parsippany, NJ)	(1)	(¹)	(¹)	
	Vat Red 15, 10% <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(1)	(¹)	(¹)	
	Residual Total	(1)	(1)	(¹)	
32041540	Vat dyes (incl. those usable as pigments) and preparations based thereon, described in add. U.S. note 3 to sec. VI	(¹)	(1)	(1)	
	Vat Black 22, 19% <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(1)	(¹)	
	Vat Black 25, 12-1/2% BASF Corp (Parsippany, NJ)	(1)	(¹)	(¹)	
	Vat Blue 6, 8-1/3% BASF Corp (Parsippany, NJ) <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(¹)		
	Vat Blue 43 <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)•	(¹)	(¹)	
	Vat Green 1, 6% BASF Corp (Parsippany, NJ)	(1)	(¹)	(¹)	
	Vat Green 3, 10% BASF Corp (Parsippany, NJ)	(1)		(1)	
	Vat Orange 1, 20% <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(1)		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041540 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Vat Orange 9, 12% BASF Corp (Parsippany, NJ)	(1)	(1)		
	Vat Red 14, 10% Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Residual Total		(1)	(1)	
32041650	Vat dyes (including those usable as pigments) and preparations based thereon, nesi	(1)	(1)	(1)	
	Vat blue dyes, all other Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)	(1)	
	Vat brown dyes, all other Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(1)	(1)	
	Vat Green 7 Sandoz Chemicals Corp. (Mt. Holly)	(1)	(1)		
	Vat green dyes, all other Crompton & Knowles Corp.		(1)	(1)	
	Vat red dyes, all other Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(1)		
	Residual Total	(1)	(1)		
320416	Reactive dyes and preparations based thereon	(1)	(1)	(1)	
32041610	Reactive black 1; blue 1, 2, 4; orange 1; red 1, 2, 3, 5, 6; and yellow 1; and preparations based thereon	(1)	(1)	(1)	
	Reactive Orange 1 ICI Americas, Inc., Specialty Chemicals Div.	(1)	(1)	(1)	
	Reactive Red 2 ICI Americas, Inc., Specialty Chemicals Div.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
32041620	Specified reactive dye mixtures and preparations based thereon	3,823	2,691	37,644	\$ 13.99
	Reactive Black 39 Ciba Geigy Corp.	(1)		(1)	
	Reactive Blue 7 Crompton & Knowles Corp.	(1)	(1)	(1)	
	Reactive Blue 19 Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(1)	(1)	
	Reactive Blue 21 Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(1)	(1)	
	Reactive Blue 38 Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(1)	(1)	
	Reactive Blue 41 Sandoz Chemicals Corp. (Martin Plant)	(1)	(1)	(1)	
	Reactive Blue 49 Ciba Geigy Corp.	(1)	(1)	(1)	
	Reactive Green 19 ICI Americas, Inc., Specialty Chemicals Div.	(1)	(1)	(1)	
	Reactive Orange 20 Crompton & Knowles Corp.	(1)	(1)	(1)	
	Reactive orange 72 Crompton & Knowles Corp.	(1)	(1)	(1)	
	Reactive Orange 84 ICI Americas, Inc., Specialty Chemicals Div.	(1)	(1)		
	Reactive Red 21 Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(1)	(1)	
	Reactive Red 49 Hoechst Celanese Corp., Specialty Chem Group, Coventry	(1)	(1)	(1)	
	Reactive Red 124 Sandoz Chemicals Corp. (Martin Plant)	(1)	(1)	(1)	
	Reactive Red 141	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041620 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Yellow 15	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Yellow 37	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Yellow 42	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Reactive Yellow 135	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Residual Total	3,823	2,691	37,644	\$ 13.99
32041630 Reactive dyes and preparations based thereon nesl, described in additional U.S. note 3 to section VI					
	Reactive Yellow 95	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Reactive Black 5		(1)		
	<i>Crompton & Knowles Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Blue 3	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Blue 71	(1)	(1)		
	<i>/C/ Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Brown 1	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Brown 17	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Orange 4		(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Orange 12	(1)	(1)	(1)	
	<i>IC/ Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Orange 16	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Red 11	(1)	(1)	(1)	
	<i>/C/ Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Red 31	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Red 43	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Reactive Red 94	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Yellow 18	(1)	(1)	(1)	
	<i>/C/ Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Yellow 86	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Yellow 95	(1)	(1)	(1)	
	Reactive Yellow 160	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Residual Total	(1)	(1)	(1)	
32041650 Synthetic reactive dyes and preparations based thereon, need					
	Reactive black dyes, all other	(1)		(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Blue 214	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Reactive blue dyes, all other	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041660 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive Orange 86	(¹)	(¹)	(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Reactive orange dyes, all other	(¹)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Red 120	313	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Reactive Red 180	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Red 218	(¹)	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	Reactive red dyes, all other	(¹)	(¹)	(¹)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Reactive violet dyes, all other	CI	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Reactive Yellow 165	(¹)	(¹)	(¹)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Reactive yellow dyes, all other	(¹)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Residual Total	(¹)	(¹)	(¹)	
320417	Pigments and preparations based thereon	(¹)	(¹)	(¹)	
32041710	Pigment black 1 and other specified pigments and preparations based thereon	541	500	17,990	\$ 35.99
	Pigment Green 8	(¹)	(¹)	(¹)	
	<i>Keystone Color Works, Inc.</i>				
	Pigment Orange 34	61	62	1,486	24.08
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	<i>Indol Color Co., Inc.</i>				
	<i>Roma Color, Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 112	(¹)			
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Pigment Red 146	(¹)			
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Pigment Red 169	(¹)			
	<i>Max Marx Color Corp.</i>				
	Pigment Red 170	(¹)			
	<i>CDR Pigments & Dispersions</i>				
	<i>Cookson Pigments, Inc.</i>				
	<i>Galaxie Chemical Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 48:3, (strontium)	(¹)			
	<i>Engelhard Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Yellow 97	(¹)			
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production		Sales		Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	1,000 Dollars	
HTS No. 32041710 — Continued						
	Residual Total	480	438	16,504		\$ 37.67
32041720	Copper phthalocyanine ([Phthalocyanato(2-)]copper) not ready for use as a pigment					
	[Phthalocyaninato(2-)]copper	(¹)	(¹)	(¹)		
	PCI, Inc.					
	Phthalchem, Inc.					
	Residual Total	(¹)	(¹)	CI		
32041730	Synthetic pigments and preparations based thereon nesi, described in additional U.S. note 3 to section VI					
	(Acid Yellow 23)	54,039	43,013	701,274		16.30
	Max Marx Color Corp.	0)	(¹)	(¹)		
	(Basic Blue 14, PMA)	(¹)	(¹)	(¹)		
	C Lever Co., Inc.					
	(Basic Green 1, PMA)	(¹)	(¹)	(¹)		
	C Lever Co., Inc.					
	(Basic Red 81, PMA)	(¹)	(¹)	(¹)		
	C Lever Co., Inc.					
	(Basic Yellow 2), fugitive	(¹)	(¹)	(¹)		
	Max Marx Color Corp.					
	Pigment Blue 19	(¹)	(¹)	(¹)		
	PMC Inc., PMC Specialities Group, Inc.					
	Pigment Blue 25	(¹)		(¹)		
	Galaxie Chemical Corp.					
	Pigment Blue 61		(¹)	(¹)		
	BASF Corp (Parsippany, NJ)					
	Pigment Blue 62	(¹)		(¹)		
	Max Marx Color Corp.					
	Pigment Blue 15, (a form)	162	148	2,496		16.88
	BASF Corp (Parsippany, NJ)					
	Ciba Geigy Corp.					
	Cookson Pigments, Inc.					
	Engelhard Corp.					
	Sun Chemical Corp., Pigments Div.					
	Pigment Blue 15:1, (a form)	578	460	11,833		25.70
	BASF Corp (Parsippany, NJ)					
	Ciba Geigy Corp.					
	Cookson Pigments, Inc.					
	Hilton Davis Company					
	Miles, Inc.					
	Sun Chemical Corp., Pigments Div.					
	Pigment Blue 15:2, (a form)		(¹)	(¹)		
	Ciba Geigy Corp.					
	Cookson Pigments, Inc.					
	Sun Chemical Corp., Pigments Div.					
	Pigment Blue 15:3, (1/3 form)	9,109	7,106	91,669		12.90
	Allegheny Chemical corp.					
	Apollo Colors, Inc.					
	BASF Corp (Parsippany, NJ)					
	Barker Fine Color, Inc.					
	CDR Pigments & Dispersions					
	CPS Corp.					
	Cookson Pigments, Inc.					
	Daicolor Pope, Inc.					
	Industrial Color, Inc.					
	Magruder Color Co., Inc.					
	Spectrachem Corp.					
	Sun Chemical Corp., Pigments Div.					

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 — Continued					
<i>Chemical description/Manufacturer — Continued</i>					
	Pigment Blue 15:4, (ft form) Barker Fine Color, Inc. Ciba Geigy Corp. Cookson Pigments, Inc. Daicolor Pope, Inc. Sun Chemical Corp., Pigments Div.	(1)	771	11,389	\$ 14.78
	Pigment Blue 1, (PMA) Hilton Davis Company Magruder Color Co., Inc. Paul Uhlich & Co., Inc.	(1)	(1)	(1)	
	Pigment Blue 2, (PMA) Paul Uhlich & Co., Inc.	(1)	(1)	(1)	
	Pigment Blue 14, (PMA) BASF Corp (Parsippany, NJ) Paul Uhlich & Co., Inc.	(1)	(1)	(1)	
	Pigment Brown 5 Galaxie Chemical Corp.	(1)	(1)	(1)	
	Pigment Green 10 Cookson Pigments, Inc.		(1)	(1)	
	Pigment Green 1, (PMA) Max Marx Color Corp. Paul Uhlich & Co., Inc.	(1)	(1)	(1)	
	Pigment Green 4, (PMA) Paul Uhlich & Co., Inc.	(1)	(1)	(1)	
	Pigment Green 2, (PTA) Max Marx Color Corp.	(1)	(1)	(1)	
	Pigment Orange 1 Max Marx Color Corp.		(1)	(1)	
	Pigment Orange 2 Paul Uhlich & Co., Inc.	(1)	(1)	(1)	
	Pigment Orange 5 Engelhard Corp. Hilton Davis Company Hoechst Celanese Corp., Specialty Chem Group, Coventry Pfister Chemical, Inc. Sun Chemical Corp., Pigments Div.	547	385	5,066	13.16
	Pigment Orange 13 BASF Corp (Parsippany, NJ) Engelhard Corp. Indol Color Co., Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.	62	58	1,280	22.21
	Pigment Orange 15 Indol Color Co., Inc.	(1)	(1)		
	Pigment Orange 16 Engelhard Corp. Fabricolor Manufacturing Corp. Galaxie Chemical Corp. Indol Color Co., Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.	388	385	7,028	18.23
	Pigment Orange 46 Apollo Colors, Inc. BASF Corp (Parsippany, NJ) CDR Pigments & Dispersions Hilton Davis Company Indol Color Co., Inc. Paul Uhlich & Co., Inc.	311	281	3,387	12.05

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Orange 48	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Pigment Orange 49	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Pigment Red 2	35	21	273	S 13.26
	<i>Engelhard Corp.</i>				
	<i>Galaxie Chemical Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	<i>Max Marx Color Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	Pigment Red 3	236	237	3,273	13.81
	BASF Corp (Parsippany, NJ)				
	<i>Engelhard Corp.</i>				
	<i>Hilton Davis Company</i>				
	Max Marx Color Corp.				
	<i>Paul Uhlich & Co., Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 4	54	53	747	13.98
	<i>Engelhard Corp.</i>				
	<i>Hilton Davis Company</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 5	(1)	(1)	(1)	
	<i>Engelhard Corp.</i>				
	<i>Galaxie Chemical Corp.</i>				
	Pigment Red 13	(1)	(1)	(1)	
	<i>Keystone Color Works, Inc.</i>				
	Pigment Red 17	9	(1)	(1)	
	<i>Paul Uhlich & Co., Inc.</i>				
	<i>Roma Color, Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 21	(1)	(1)	(1)	
	<i>Indol Color Co., Inc.</i>				
	Pigment Red 22	308	279	5,761	20.63
	<i>Cookson Pigments, Inc.</i>				
	<i>Engelhard Corp.</i>				
	<i>Galaxie Chemical Corp.</i>				
	<i>Indol Color Co., Inc.</i>				
	<i>Max Marx Color Corp.</i>				
	<i>Roma Color, Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 23	119	116	3,153	27.11
	<i>Cookson Pigments, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Engelhard Corp.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Galaxie Chemical Corp.</i>				
	<i>Indol Color Co., Inc.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	<i>Roma Color, Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 31	17	17	320	18.62
	<i>Galaxie Chemical Corp.</i>				
	<i>Hilton Davis Company</i>				
	<i>Roma Color, Inc.</i>				
	Pigment Red 38	59	56	1,497	26.93
	<i>Engelhard Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 32041730 — Continued					
<i>Chemical description/Manufacturer — Continued</i>					
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 60:1	(¹)		(¹)	
	<i>Engelhard Corp.</i>				
	<i>Max Marx Color Corp.</i>				
	Pigment Red 63	(1)	(1)	(1)	
	<i>Engelhard Corp.</i>				
	Pigment Red 83	(1)	11	391	S 35.07
	<i>Engelhard Corp.</i>				
	<i>Max Marx Color Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	Pigment Red 122	(1)	(¹)	(1)	
	<i>Cookson Pigments, Inc.</i>				
	<i>Miles, Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 123	(1)	(1)	(¹)	
	<i>Miles, Inc.</i>				
	Pigment Red 147	(1)	(¹)	(¹)	
	<i>Engelhard Corp.</i>				
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	Pigment Red 179	(1)		(1)	
	<i>Cookson Pigments, Inc.</i>				
	<i>Miles, Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 190	(1)	(¹)	(¹)	
	<i>Miles, Inc.</i>				
	Pigment Red 200	(1)	(1)	(¹)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>CDR Pigments & Dispersions</i>				
	Pigment Red 202	(¹)	(¹)	(1)	
	<i>Ciba Geigy Corp.</i>				
	<i>Cookson Pigments, Inc.</i>				
	<i>Miles, Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 206	(¹)	(¹)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	Pigment Red 207	(1)	(1)	(¹)	
	<i>Ciba Geigy Corp.</i>				
	Pigment Red 209	(1)	(1)	(1)	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 210	(1)		(1)	
	<i>Indol Color Co., Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 210	(¹)		(1)	
	<i>Fabricolor Manufacturing Corp.</i>				
	Pigment Red 224	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	Pigment Red 48:1, (barium)	739	543	7,877	14.50
	<i>Apollo Colors, Inc.</i>				
	BASF Corp (Parsippany, NJ)				
	<i>CDR Pigments & Dispersions</i>				
	<i>Cookson Pigments, Inc.</i>				
	<i>Fabricolor Manufacturing Corp.</i>				
	<i>Hilton Davis Company</i>				
	<i>Magruder Color Co., Inc.</i>				
	<i>Max Marx Color Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
<i>HTS No. 32041730 —Continued</i>					
<i>Chemical description/Manufacturer—Continued</i>					
	Pigment Red 49:1, (barium) BASF Corp (Parsippany, NJ) CDR Pigments & Dispersions Hilton Davis Company Industrial Color, Inc. Magruder Color Co., Inc. Max Marx Color Corp. Paul Uhlich & Co., Inc. Sun Chemical Corp., Pigments Div.	1,581	1,039	9,819	\$ 9.45
	Pigment Red 53:1, (barium) Apollo Colors, Inc. BASF Corp (Parsippany, NJ) CDR Pigments & Dispersions Engelhard Corp. Hilton Davis Company Industrial Color, Inc. Magruder Color Co., Inc. Max Marx Color Corp. Paul Uhlich & Co., Inc. Sun Chemical Corp., Pigments Div.	1,500	1,251	14,107	1 1.28
	Pigment Red 48:2, (calcium) Apollo Colors, Inc. BASF Corp (Parsippany, NJ) CDR Pigments & Dispersions Cookson Pigments, Inc. Engelhard Corp. Fabricolor Manufacturing Corp. Hilton Davis Company Magruder Color Co., Inc. Max Marx Color Corp. Paul Uhlich & Co., Inc. Sun Chemical Corp., Pigments Div.	1,046	994	13,361	13.44
	Pigment Red 49:2, (calcium) CDR Pigments & Dispersions Hilton Davis Company Industrial Color, Inc. Magruder Color Co., Inc. Max Marx Color Corp. Paul Uhlich & Co., Inc. Sun Chemical Corp., Pigments Div.	726	681	7,950	11.67
	Pigment Red 52:1, (calcium) Apollo Colors, Inc. BASF Corp (Parsippany, NJ) CDR Pigments & Dispersions Engelhard Corp. Magruder Co/or Co., Inc. Max Marx Color Corp. Paul Uhlich & Co., Inc. Sun Chemical Corp., Pigments Div.	568	508	8,943	17.61
	Pigment Red 57:1, (calcium) Apollo Colors, Inc. BASF Corp (Parsippany, NJ) CDR Pigments & Dispersions CPS Corp. Daicolor Pope, Inc. Engelhard Corp. Fabricolor Manufacturing Corp. Industrial Color, Inc.	9,488	5,732	70,106	12.23

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 —Continued					
<i>Chemical description/Manufacturer —Continued</i>					
	<i>Magruder Color Co., Inc.</i>				
	<i>Max Marx Color Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 1, (light)	(1)	(1)	(1)	
	<i>Engelhard Corp.</i>				
	Pigment Red 48:4, (manganese)	(1)	(1)	(1)	
	<i>Cookson Pigments, Inc.</i>				
	<i>Engelhard Corp.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 52:2, (manganese)	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>Engelhard Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	Pigment Red 81, (PMA)	317	282	10,772	\$ 38.26
	BASF Corp (Parsippany, NJ)				
	<i>Magruder Color Co., Inc.</i>				
	<i>Max Marx Color Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Red 81, (PTA)	(1)	(1)	(1)	
	<i>Max Marx Color Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	Pigment Violet 19	1,023	946	54,757	57.89
	<i>Ciba Geigy Corp.</i>				
	<i>Cookson Pigments, Inc.</i>				
	<i>Miles, Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Violet 23	326	(1)	(1)	
	<i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>				
	R M Industries, Inc.				
	<i>Spectrachem Corp.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Violet 1, (fugitive)	(1)	(1)	(1)	
	<i>Paul Uhlich & Co., Inc.</i>				
	Pigment Violet 3, (fugitive)	(1)	(1)	(1)	
	<i>Paul Uhlich & Co., Inc.</i>				
	Pigment Violet 1, (PMA)		(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>Magruder Color Co., Inc.</i>				
	<i>Max Marx Color Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	Pigment Violet 3, (PMA)	325		(1)	
	BASF Corp (Parsippany, NJ)				
	<i>Hilton Davis Company</i>				
	<i>Magruder Color Co., Inc.</i>				
	<i>Max Marx Color Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	Pigment Violet 1, (PTA)	(1)	(1)	(1)	
	<i>Paul Uhlich & Co., Inc.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Pigment Violet 3, (PTA)	(1)	(1)	(1)	
	<i>Max Marx Color Corp.</i>				
	<i>Paul Uhlich & Co., Inc.</i>				
	Pigment Yellow 1	(1)	152	1,298	8.53
	BASF Corp (Parsippany, NJ)				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Engelhard Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Max Marx Color Corp. Paul Uhlich & Co., Inc. Sun Chemical Corp., Pigments Div.	(1)	(1)	(1)	
	Pigment Yellow 3 Cookson Pigments, Inc. Engelhard Corp. Keystone Color Works, Inc. Paul Uhlich & Co., Inc. Sun Chemical Corp., Pigments Div.	(1)	(1)	(1)	
	Pigment Yellow 6 Max Marx Color Corp.	(1)	(1)	(1)	
	Pigment Yellow 12 Apollo Colors, Inc. BASF Corp (Parsippany, NJ) CDR Pigments & Dispersions Daicolor Pope, Inc. Engelhard Corp. Hilton Davis Company Hoechst Celanese Corp., Specialty Chem Group, Coventry Indol Color Co., Inc. Industrial Color, Inc. Paul Uhlich & Co., Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.	9,921	8,851	94,081	\$ 10.63
	Pigment Yellow 13 Apollo Colors, Inc. BASF Corp (Parsippany, NJ) CDR Pigments & Dispersions Fabricolor Manufacturing Corp. Galaxie Chemical Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry Indol Color Co., Inc. Industrial Color, Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.	423	399	5,707	14.29
	Pigment Yellow 14 BASF Corp (Parsippany, NJ) CDR Pigments & Dispersions Engelhard Corp. Fabricolor Manufacturing Corp. Galaxie Chemical Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry Indol Color Co., Inc. Industrial Color, Inc. Paul Uhlich & Co., Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.	2,823	2,673	29,709	11.11
	Pigment Yellow 17 Apollo Colors, Inc. BASF Corp (Parsippany, NJ) Engelhard Corp. Fabricolor Manufacturing Corp. Galaxie Chemical Corp. Hoechst Celanese Corp., Specialty Chem Group, Coventry Indol Color Co., Inc. Industrial Color, Inc. Roma Color, Inc. Sun Chemical Corp., Pigments Div.	284	279	4,195	15.01

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041730 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Pigment Yellow 60 <i>Engelhard Corp.</i>	(1)	(1)	(1)	
	Pigment Yellow 65 <i>Cookson Pigments, Inc.</i> <i>Engelhard Corp.</i> <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i> <i>Max Marx Color Corp.</i> <i>Sun Chemical Corp., Pigments Div.</i>	147	132	2,506	S 19.04
	Pigment Yellow 73 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i> <i>Sun Chemical Corp., Pigments Div.</i>	(1)	(1)	(1)	
	Pigment Yellow 74 <i>BASF Corp (Parsippany, NJ)</i> <i>Cookson Pigments, Inc.</i> <i>Engelhard Corp.</i> <i>Fabricolor Manufacturing Corp.</i> <i>Hilton Davis Company</i> <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i> <i>Miles, Inc.</i> <i>Roma Color, Inc.</i> <i>Sun Chemical Corp., Pigments Div.</i>	596	564	9,985	17.71
	Pigment Yellow 75 <i>Engelhard Corp.</i> <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i> <i>Sun Chemical Corp., Pigments Div.</i>	(1)	(1)	(1)	
	Pigment Yellow 83 <i>BASF Corp (Parsippany, NJ)</i> <i>Fabricolor Manufacturing Corp.</i> <i>Galaxie Chemical Corp.</i> <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i> <i>Indol Color Co., Inc.</i> <i>Industrial Color, Inc.</i> <i>Roma Color, Inc.</i> <i>Sun Chemical Corp., Pigments Div.</i>	495	481	11,827	24.58
	Pigment Yellow 98 <i>Hoechst Celanese Corp., Specialty Chem Group, Coventry</i>	(1)	(1)	(1)	
	Pigment Yellow 139 <i>Miles, Inc.</i>	(1)	(1)	(1)	
	Violet 5:1 <i>Engelhard Corp.</i> <i>Max Marx Color Corp.</i> <i>Miles, Inc.</i> <i>Paul Uhlich & Co., Inc.</i>	23	28	729	26.07
	Violet 27 <i>Max Marx Color Corp.</i>	(1)	(1)	(1)	
	Residual Total	9,693	6,789	193,982	28.57
32041750 Synthetic pigments and preparations based thereon,					
	nesi				
	Acetoacetarylide yellows, all others <i>Keystone Color Works, Inc.</i>	(1)	(1)	(1)	26.12
	Naphthol reds, all other <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Fabricolor Manufacturing Corp.</i> <i>Galaxie Chemical Corp.</i> <i>Roma Color, Inc.</i> <i>SyneHoy Corp., Blackman Uhler Chemical Div.</i>	377	374	9,177	24.53
	[Phthalocyaninetetramethanaminato]copper	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041760 —Continued					
Chemical description/Manufacturer—Continued					
Company not disclosed					
	Phthalocyaninetetrasulfonyl chloride, copper derivative	(¹)	(¹)	(¹)	
	Miles, Inc.				
	Pigment Black 7	(¹)	(¹)	(¹)	
	BASF Corp (Parsippany, NJ)				
	Pigment black toners, all other	(¹)	(¹)	(¹)	
	Paul Uhlich & Co., Inc.				
	Pigment blue toners, all other	(1)	(¹)	(¹)	
	Fabricolor Manufacturing Corp.				
	Paul Uhlich & Co., Inc.				
	Pigment Green 7	1,388	1,371	31,546	S 23.02
	Allegheny Chemical corp.				
	BASF Corp (Parsippany, NJ)				
	Barker Fine Color, Inc.				
	Daicolor Pope, Inc.				
	Magruder Color Co., Inc.				
	Sun Chemical Corp., Pigments Div.				
	Pigment Green 36	(1)	(¹)	(¹)	
	Allegheny Chemical corp.				
	Sun Chemical Corp., Pigments Div.				
	Pigment green toners, all other	(1)	(¹)	(¹)	
	Paul Uhlich & Co., Inc.				
	Pigment Orange 38	(1)	(¹)	(¹)	
	Hoechst Celanese Corp., Specialty Chem Group, Coventry				
	Sun Chemical Corp., Pigments Div.				
	Pigment orange toners, all other	(¹)	(¹)	(¹)	
	Galaxie Chemical Corp.				
	Pigment Red 194	(1)	(¹)	(¹)	
	Hoechst Celanese Corp., Specialty Chem Group, Coventry				
	Pigment Red 238	(¹)	(¹)	(¹)	
	Fabricolor Manufacturing Corp.				
	Pigment Red 245	(1)	(¹)	(¹)	
	Indol Color Co., Inc.				
	Pigment Red 63:1, calcium	(¹)	(¹)	(¹)	
	Sun Chemical Corp., Pigments Div.				
	Pigment red toners, all other	187	161	6,397	39.83
	Hoechst Celanese Corp., Specialty Chem Group, Coventry				
	Miles, Inc.				
	Paul Uhlich & Co., Inc.				
	Sun Chemical Corp., Pigments Div.				
	Pigment Violet 29	(¹)	(¹)	(¹)	
	Miles, Inc.				
	Sun Chemical Corp., Pigments Div.				
	Pigment violet toners, all other	45	(¹)	(¹)	
	Miles, Inc.				
	Paul Uhlich & Co., Inc.				
	Synalloy Corp., Blackman Uhler Chemical Div.				
	Pigment Yellow 119	(1)	(¹)	(¹)	
	BASF Corp (Parsippany, NJ)				
	Pigment Yellow 176	(1)	(¹)	(¹)	
	Sun Chemical Corp., Pigments Div.				
	Pigment yellow toners, all other	(¹)	(¹)	(¹)	
	Engelhard Corp.				
	Residual Total	523	370	11,131	30.09
320419	Synthetic organic coloring matter, including mixtures of coloring matter of two or more of the subheadings 3204.11 to 3204.19	(¹)		(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Sales			Average unit value
		Production	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
32041911	Solvent Neck 2 and other specified solvent dyes and preparations based thereon				
	Solvent orange dyes, all other <i>Company not disclosed</i>	(1)	(1)	(1)	
	Solvent Red 23 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)	(1)	(1)	
	Solvent Red 27 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)	(1)	(1)	
	Solvent Yellow 160 <i>Company not disclosed</i>	(1)	(1)	(1)	
	Sulfur Black 1 <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(1)	(1)	
	Sulfur Black 2 <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
32041915	Solvent dyes end preparations based thereon, described in additional U.S. note 3 to section VI	4,516	3,001	33,780	\$ 11.26
	Solvent Black 5 <i>C Lever Co., Inc.</i>	(1)	(1)	(1)	
	Solvent Black 7 <i>BASF Corp (Parsippany, NJ) Orient Chemical Corp. Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)	(1)	(1)	
	Solvent Black 13 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Solvent Black 26 <i>Fabricolor Manufacturing Corp.</i>	(1)	(1)		
	Solvent Blue 3 <i>PMC Inc., PMC Specialties Group, Inc.</i>	(1)	(1)	(1)	
	Solvent Blue 5 <i>Dye Specialties, Inc.</i>	(1)	(1)		
	Solvent Blue 23 <i>BASF Corp (Parsippany, NJ)</i>	(1)	(1)	(1)	
	Solvent Blue 35 <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Blue 36 <i>Morton International, Inc.,</i>	(1)		(1)	
	Solvent Blue 38 <i>Gillette Chemical Co.</i>	(1)	(1)		
	Solvent Blue 58 <i>Miles, Inc.</i>	(1)	(1)	(1)	
	Solvent Blue 59 <i>Miles, Inc. Morton International, Inc.,</i>			(1)	
	Solvent Blue 98 <i>Company not disclosed Morton International, Inc.,</i>	(1)		(1)	
	Solvent Blue 99 <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Blue 100 <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Blue 101 <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Brown 12 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)	(1)	(1)	
	Solvent Brown 20 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Solvent Brown 22 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>		(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers. 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 32041916 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Solvent Brown 38 <i>Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	
	Solvent Green 3 <i>Crompton & Knowles Corp.</i> <i>Morton International, Inc.,</i>	(1)		(1)	
	Solvent Orange 3 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)	(1)	(1)	
	Solvent Orange 7 <i>Crompton & Knowles Corp.</i> <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)	(1)	(1)	
	Solvent Orange 20 <i>BASF Corp (Parsippany, NJ)</i> <i>Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	
	Solvent Orange 23 <i>Crompton & Knowles Corp.</i>		(1)		
	Solvent Orange 60 <i>Color Chem International Corp.</i>	(1)	(1)	(1)	
	Solvent Red 1 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)	(1)	(1)	
	Solvent Red 24 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)	(1)	(1)	
	Solvent Red 26 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)			
	Solvent Red 49 BASF Corp (Parsippany, NJ)	(1)	(1)	(1)	
	Solvent Red 68 <i>Crompton & Knowles Corp.</i> <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Red 80 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)	(1)	(1)	
	Solvent Red 111 <i>Morton International, Inc.,</i>	(1)	(1)		
	Solvent Red 135 <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Red 164 <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Red 166 <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Red 168 <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Violet 8 BASF Corp (Parsippany, NJ) <i>Dye Specialties, Inc.</i>	(1)	(1)	(1)	
	Solvent Violet 9 <i>Dye Specialties, Inc.</i>	(1)	(1)		
	Solvent violet 11 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Solvent Violet 13 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Solvent Violet 14 <i>Morton International, Inc.,</i>	(1)	(1)	(1)	
	Solvent Yellow 3 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(1)	(1)	(1)	
	Solvent Yellow 13 BASF Corp (Parsippany, NJ) <i>Fabricolor Manufacturing Corp.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 32041915 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Solvent Yellow 14 <i>Crompton & Knowles Corp. Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(¹)	V)	(¹)	
	Solvent Yellow 16 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(¹)	(¹)	(¹)	
	Solvent Yellow 18 <i>Company not disclosed Crompton & Knowles Corp.</i>	(¹)	(¹)	(¹)	
	Solvent Yellow 33 <i>Color Chem International Corp. Morton International, Inc.,</i>	(¹)	(¹)	(¹)	
	Solvent Yellow 40 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)	(¹)	
	Solvent Yellow 42 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)	(¹)	
	Solvent Yellow 56 <i>Passaic Color & Chemical Co., Division of Royce Assoc.</i>	(¹)	(¹)	(¹)	
	Solvent Yellow 72 <i>Color Chem International Corp. Fabricolor Manufacturing Corp. Passaic Color & Chemical Co., Division of Royce Assoc. United Color Manufacturing, Inc.</i>	66	62	1,023	\$ 16.61
	Residual Total	4,450	2,940	32,758	11.14
32041919	Solvent dyes and preparations based thereon, nesi	(¹)	(¹)	(¹)	
	Solubilized Sulfur Black 1 <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(¹)	(¹)	(¹)	
	Solubilized Sulfur Black 2 <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(¹)	V)	(¹)	
	Solvent Yellow 96 <i>Morton International, Inc.,</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)		
32041930	Sulfur black, "Colour Index Nos. 53185, 53190 and 53195" and preparation based thereon	(¹)	(¹)	(¹)	
	Leuco Sulfur Black 2 <i>Sandoz Chemicals Corp. (Martin Plant) Sandoz Chemicals Corp. (Mt. Holly)</i>	(¹)	(¹)	(¹)	
	Residual Total	(¹)	(¹)	(¹)	
32041940	Synthetic organic coloring matter and preparations based thereon, nesi, described in additional U.S. note 3 to section VI	10,879	10,291	110,093	10.70
	Azoic Black 4 <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(¹)	(¹)		
	Azoic Blue 3 <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(¹)	(¹)		
	Azoic Blue 6 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)		
	Azoic Brown 7 <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(¹)	(¹)	(¹)	
	Azoic Diazo Component 5, base <i>Alliance Chemical, Inc.</i>	(¹)	V)	(¹)	
	Azoic Diazo Component 13, base <i>Alliance Chemical, Inc.</i>	(¹)	(¹)		
	Azoic Red 1 <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	V)	(¹)		
	Azoic Red 2 <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(¹)	(¹)		
	Azoic Red 6 <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(¹)	(¹)		

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041940 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Azoic Violet 1	(¹)	(¹)	(¹)	
	<i>Synalloy Corp., Blackman Uhler Chemical Div.</i>				
	Azoic Yellow 1	11	(¹)	11	
	<i>Synalloy Corp., Blackman Uhler Chemical Div.</i>				
	Drug and Cosmetic Green 5	11	(¹)	11	
	<i>Crompton & Knowles Corp.</i>				
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Orange 4	(¹)	01	11	
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Orange 5	19	(¹)	11	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Cosmetic Colors</i>				
	Drug and Cosmetic Red 6	(¹)	(¹)	(¹)	
	<i>Hilton Davis Company</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Cosmetic Colors</i>				
	Drug and Cosmetic Red 7	245	(1)	(1)	
	<i>Hilton Davis Company</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Cosmetic Colors</i>				
	Drug and Cosmetic Red 17	(1)	(1)	(1)	
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Red 21	(¹)	11	(1)	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Cosmetic Colors</i>				
	Drug and Cosmetic Red 22		(¹)	(¹)	
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Red 27	31	29	934	\$ 31.85
	<i>Hilton Davis Company</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Cosmetic Colors</i>				
	Drug and Cosmetic Red 30		(1)	(1)	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Cosmetic Colors</i>				
	Drug and Cosmetic Red 33	12		(1)	
	<i>Crompton & Knowles Corp.</i>				
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Co.</i>				
	<i>Warner Jenkinson Cosmetic Colors</i>				
	Drug and Cosmetic Red 34	(1)	(1)		
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Cosmetic Colors</i>				
	Drug and Cosmetic Red 36	(¹)	(1)	(1)	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	<i>Warner Jenkinson Cosmetic Colors</i>				
	Drug And Cosmetic Red 57:1	(1)	(1)	(1)	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Drug And Cosmetic Red 101	(1)	(¹)	11	
	<i>Sun Chemical Corp., Pigments Div.</i>				
	Drug and Cosmetic Yellow 5	(¹)	(¹)	(1)	
	<i>Hilton Davis Company</i>				
	Drug and Cosmetic Yellow 6	(1)	(1)	(1)	
	<i>Hilton Davis Company</i>				
	<i>Warner Jenkinson Cosmetic Colors</i>				
	Drug and Cosmetic Yellow 8	(1)	(1)	(1)	
	<i>Warner Jenkinson Co.</i>				
	Drug and Cosmetic Yellow 10	37	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041940 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Hilton Davis Company				
	Warner Jenkinson Co.				
	All other dyes	(1)	(1)	(1)	
	Morton International, Inc.,				
	Reilly Industries, Inc.				
	Sandoz Chemicals Corp. (Mt. Holly)				
	External Drug and Cosmetic Orange 3	(1)	(1)	(1)	
	Crompton & Knowles Corp.				
	Warner Jenkinson Co.				
	Food, Drug, and Cosmetic Blue 1	(1)	(1)	(1)	
	Warner Jenkinson Co.				
	Food, Drug, and Cosmetic Blue 2	(1)	(1)	(1)	
	Hilton Davis Company				
	Warner Jenkinson Co.				
	Food, Drug, and Cosmetic Green 3	(1)	(1)	(1)	
	Warner Jenkinson Co.				
	Food, Drug, and Cosmetic Red 2	(1)	(1)	(1)	
	Warner Jenkinson Co.				
	Food, Drug, and Cosmetic Red 3	(1)			
	Hilton Davis Company				
	Warner Jenkinson Co.				
	Food, Drug, and Cosmetic Red 4	(1)	(1)	(1)	
	Hilton Davis Company				
	Food, Drug, and Cosmetic Red 40	(1)		(1)	
	Hilton Davis Company				
	Warner Jenkinson Co.				
	Food, Drug, and Cosmetic Yellow 5	(1)		(1)	
	Warner Jenkinson Co.				
	Food, Drug, and Cosmetic Yellow 6	(1)		(1)	
	Crompton & Knowles Corp.				
	Hilton Davis Company				
	Warner Jenkinson Co.				
	Leuco Sulfur Black 11, 11:1	(1)		(1)	
	Sandoz Chemicals Corp. (Mt. Holly)				
	Leuco Sulfur Blue 7	(1)		(1)	
	Sandoz Chemicals Corp. (Mt. Holly)				
	Leuco Sulfur Blue 11			(1)	
	Sandoz Chemicals Corp. (Mt. Holly)				
	leuco sulfur blue 20	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Leuco Sulfur Brown 1, 1:1	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Mt. Holly)				
	Leuco Sulfur Brown 3	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Mt. Holly)				
	Leuco Sulfur Brown 37		(1)	(1)	
	Sandoz Chemicals Corp. (Martin Plant)				
	Sandoz Chemicals Corp. (Mt. Holly)				
	Leuco Sulfur Brown 52	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Mt. Holly)				
	Leuco Sulfur Green 2	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Mt. Holly)				
	Leuco Sulfur Green 16	(1)	(1)	(1)	
	Sandoz Chemicals Corp. (Mt. Holly)				
	Mordant Brown 1	(1)	(1)	(1)	
	Fabricolor Manufacturing Corp.				
	Mordant Brown 33	(1)	(9)	(1)	
	Fabricolor Manufacturing Corp.				
	Mordant Brown 70	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32041940 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Fabricolor Manufacturing Corp.</i>				
	Mordant Orange 1	∞			
	<i>Fabricolor Manufacturing Corp.</i>				
	Mordant Orange 6	∞			
	<i>Fabricolor Manufacturing Corp.</i>				
	Mordant Orange 8	∞			
	<i>Fabricolor Manufacturing Corp.</i>				
	Mordant Yellow 20	∞			
	<i>Fabricolor Manufacturing Corp.</i>				
	Solvent Black 46				
	<i>Morton International, Inc.,</i>				
	Solvent Black 49	∞			
	<i>Morton International, Inc.,</i>				
	Solvent Blue 102	∞			
	<i>Morton International, Inc.,</i>				
	Solvent Blue 128				
	<i>Morton International, Inc.,</i>				
	Solvent Blue 129	∞			
	<i>Morton International, Inc.,</i>				
	Solvent Orange 77	∞			
	<i>Morton International, Inc.,</i>				
	Solvent Orange 97	01			
	<i>Morton International, Inc.,</i>				
	Solvent Red 169	∞			
	<i>Morton International, Inc.,</i>				
	Solvent Red 175	()			
	<i>Morton International, Inc.,</i>				
	solvent red 179	()			
	<i>Color Chem International Corp.</i>				
	Solvent Red 207	()			
	<i>Morton International, Inc.,</i>				
	Solvent Red 208				
	<i>Morton International, Inc.,</i>				
	Solvent Violet 38	0)			
	<i>Morton International, Inc.,</i>				
	Solvent Yellow 93	0)			
	<i>Company not disclosed</i>				
	Solvent Yellow 94				
	<i>Hilton Davis Company</i>				
	Solvent Yellow 135	∞			
	<i>Company not disclosed</i>				
	Solvent Yellow 143				
	<i>Morton International, Inc.,</i>				
	Solvent Yellow 161				
	<i>Morton International, Inc.,</i>				
	Solvent Yellow 163	()			
	<i>Color Chem International Corp.</i>				
	Sulfur Black 11, 11:1				
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Sulfur Blue 7				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Sulfur Brown 37	()		0)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Sulfur Red 10	()		()	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Residual Total	10,554	10,258	100,799	\$ 9.83
32041950	Synthetic organic coloring matter and preparations based thereon nesi, including mixtures of items from subheading 320411 to 320419	1,427	1,413	11,078	7.84

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 32041950 —Continued					
	Azoic Black 48 <i>Crompton & Knowles Corp.</i>	(¹)	(1)	(1)	
	Azoic black compositions, all other <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(1)	(9)	(1)	
	Azoic Blue 20 <i>Crompton & Knowles Corp.</i>	(¹)	(¹)	(1)	
	Azoic Coupling Component 2 <i>Alliance Chemical, Inc.</i>	(¹)	19	(1)	
	Azoic Coupling Component 4 <i>Alliance Chemical, Inc.</i>	(¹)	(1)	(1)	
	Azoic Coupling Component 12 <i>Alliance Chemical, Inc.</i>	19	(¹)	(¹)	
	Azoic Coupling Component 14 <i>Alliance Chemical, Inc.</i>	(1)	(¹)	(1)	
	Azoic Coupling Component 17 <i>Alliance Chemical, Inc.</i>	19	(¹)	(¹)	
	Azoic Coupling Component 18 <i>Alliance Chemical, Inc.</i>	(¹)	P1	(¹)	
	Azoic Coupling Component 20 <i>Alliance Chemical, Inc.</i>	(1)	(¹)	(¹)	
	Azoic Coupling Component 34 <i>Alliance Chemical, Inc.</i>	(¹)	(1)	(1)	
	Azoic Diazo Component 32, base <i>Alliance Chemical, Inc.</i>	19	(¹)	(¹)	
	Azoic Diazo Component 1, salt <i>Alliance Chemical, Inc.</i> <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	19	(¹)	(¹)	
	Azoic Diazo Component 5, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(¹)	(¹)	(¹)	
	Azoic Diazo Component 8, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(¹)	(1)	(1)	
	Azoic Diazo Component 9, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(¹)	(¹)	(¹)	
	Azoic Diazo Component 10, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(¹)	(1)	(1)	
	Azoic Diazo Component 12, salt <i>Alliance Chemical, Inc.</i> <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	19	(¹)	(¹)	
	Azoic Diazo Component 13, salt <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	19	(¹)	(¹)	
	Azoic Diazo Component 34, salt <i>Alliance Chemical, Inc.</i>	(¹)	(1)	(1)	
	Azoic Diazo Component 44, salt <i>Alliance Chemical, Inc.</i>	(1)	(1)	(1)	
	Azoic diazo components, base, all other <i>Alliance Chemical, Inc.</i>	(¹)	19	(¹)	
	Azoic diazo components, salt, all other <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(¹)	(¹)	(¹)	
	Azoic Red 32 <i>Crompton & Knowles Corp.</i>	(1)	(1)	(1)	
	Azoic red compositions, all other <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(1)	(1)	(1)	
	Azoic violet compositions, all other <i>Synalloy Corp., Blackman Uhler Chemical Div.</i>	(1)	(1)	(1)	
	Drug and cosmetic dyes, all other <i>Hilton Davis Company</i>	(1)	(¹)	(¹)	
	Leuco Sulfur Black 18	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 32041950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Brown 96	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Green 35	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Green 36	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Red 14	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Leuco Sulfur Yellow 22	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Solubilized Sulfur Green 11	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	Solvent Black 47	(1)	(1)	(1)	
	<i>Morton International, Inc.,</i>				
	Solvent blue dyes, all other	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Solvent yellow dyes, all other	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Crompton & Knowles Corp.</i>				
	<i>Morton International, Inc.,</i>				
	Sulfur Brown 96	(1)		(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Sulfur green dyes, all other		(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Sulfur orange dyes, all other	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Sulfur yellow dyes, all other	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	Residual Total	1,427	1,413	11,078	\$ 7.84
320420	Synthetic organic products of a kind used as fluorescent brightening agents	(1)			
32042050	Synthetic organic products of a kind used as fluorescent brightening agents, other than fluorescent brightening agent 32				
	Flourescent Brightener 315	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Flourescent Brightener 339	(1)	(1)	(1)	
	<i>Crompton & Knowles Corp.</i>				
	Flourescent Brightener 9	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	Flourescent Brightener 22	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	Flourescent Brightener 24	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	Flourescent Brightener 28	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				
	<i>Miles, Inc.</i>				
	Flourescent Brightener 49	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn)</i>				
	Flourescent Brightener 52	(1)	(1)	(1)	
	<i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn)</i>				
	Flourescent Brightener 61	(1)	(1)	(1)	
	<i>BASF Corp (Parsippany, NJ)</i>				
	Flourescent Brightener 71	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	Flourescent Brightener 102	(1)	(1)	(1)	
	<i>Ciba Geigy Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 32042050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Fluorescent Brightener 128 <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	Fluorescent Brightener 130 BASF Corp (Parsippany, NJ)	(1)	(1)	(1)	
	Fluorescent Brightener 134 <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	Fluorescent Brightener 205 <i>Miles, Inc.</i>	(1)	(1)	(1)	
	fluorescent brightener 231 <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	(1)	(1)	
	Fluorescent brightener 231	(1)	(1)	(1)	
	fluorescent brightener 290 <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	(1)	(1)	
	Fluorescent brightener 290	(1)	(1)	(1)	
	Fluorescent brighteners, all other <i>Ciba Geigy Corp.</i>	(1)	(1)	(1)	
	<i>Miles, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn)</i>				
	Residual Total	(1)	(1)	(1)	
320420XX	HTS Level Residual Total		(1)		
3204XX	HTS Level Residual Total	60,733	58,890	(1)	\$
33	Essential oils and resinoids; perfumery, cosmetic or toilet preparations	(1)	(1)	(1)	
3302	Mixtures of odoriferous substances and mixtures (including alcoholic solutions) with a basis of one or more of these substances, of a kind used as raw materials in industry	(1)	(1)	(1)	
330210	Mixtures of odoriferous substances, of a kind used in the food or drink industries	(1)	(1)	(1)	
33021010	Mixtures of odoriferous substances, mixtures with a basis of these substances, used in the food or drink industries, not containing alcohol	(1)	(1)	(1)	
	Synthetic sweetener material, all other <i>Nutrasweet Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
33021020	Mixtures of or with a basis of odoriferous substances, used in the food or drink industries, not over 20 percent alcohol by weight	(1)	(1)	(1)	
	All other acyclic flavor and perfume materials <i>Company not disclosed</i>	(1)	(1)	(1)	
	<i>Firmenich, Inc.</i>				
	<i>International Flavors & fragrances, Inc.</i>				
	<i>SCM Corp., Glidco Organics</i>				
	All other benzenoid or naphthalenoid chemicals <i>International Flavors & Fragrances, Inc.</i>	(1)	(1)	(1)	
	All other terpenoid, heterocyclic, or alicyclic flavor and perfume chemicals <i>Firmenich, Inc.</i>	(1)	(1)	(1)	
	<i>Givaudan Corp.</i>				
	<i>International Flavors & Fragrances, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
330290	Mixtures of odoriferous substances of a kind used as raw materials in industries, nesl	(1)		(1)	
33029010	Mixtures of or with a basis of odoriferous substances, used in other than the food or drink industries, none or not 10% alcohol by weight				
	Pseudo finely acetate (Neobergamate)	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 33029010 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	International Flavors & Fragrances, Inc.				
	Residual Total	(¹)	(1)	(1)	
	Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial waxes, prepared waxes, polishing or scouring preparations, candles and similar articles, modelling paste s, "dental waxes" and dental preparations with a basis of plaster	(1)	(1)	(1)	
3402	Organic surface-active agents (other than soap); surface-active preparations, washing preparations (including auxiliary washing preparations) and cleaning preparations, whether or not containing soap, other than those of heading 3401				
340211	Anionic surface-active agents	1,865,288	1,038,849	1,496,422	\$ 1.44
34021110	Aromatic or modified aromatic anionic organic surface-active agents (other than soap)	(¹)	(¹)	(¹)	
	Mixed alkyl phenol sulfate, ethoxylated, triethanolamine salt	(1)	(1)	(1)	
	<i>Mi/liken & Co., Milliken Chemical Div.</i>				
	Naphthalenesulfonates, all other	(1)	(¹)	(1)	
	<i>C.P. Hall Co.</i>				
	<i>Henkel Corp.</i>				
	<i>Witco Corp.</i>				
	Phenol, ethoxylated and phosphated	661	656	1,315	2.00
	<i>Ethox Chemicals, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	PPG Industries, Inc.				
	<i>Pelron Corp.</i>				
	<i>Witco Corp.</i>				
	Residual Total	(¹)	(1)		
34021150	Nonaromatic anionic organic surface active agents (other than soap)	1,051,547	373,289	440,467	1.18
	Alcohols and phenols, alkoxyated and phosphated or polyphosphated, all other	3,815	2,668	3,828	1.43
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Finetex, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
	<i>Virkler Co.</i>				
	Alcohols and phenols, sulfated, all other	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Amine salts of fatty, rosin, and tall oil acids, all other	(1)	(1)	(1)	
	<i>Ca/gene Chemical Corp.</i>				
	<i>Company not disclosed</i>				
	<i>Lonza, Inc.</i>				
	<i>Quaker Chemical Corp.</i>				
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	<i>Westvaco Corp.</i>				
	<i>Witco Corp.</i>				
	Anionic surface active agents, all other	(1)		(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Eastern Color & Chemical Co.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fair/awn)</i>				
	Benzene-, cumene-, toluene-, and xylenesulfonates, all other <i>Henkel Corp.</i>	(1)	(1)	1)	
	Capric acid, diethanolamine condensate (Ratio = 1/1) <i>Mona Industries, Inc.</i>	(1)	(1)		
	5(or 6)-Carboxy-4-hexyl-2-cyclohexene-1-octanoic acid, reaction products with castor oil <i>Company not disclosed</i>	(1)	(1)		
	Carboxylic acids, all other <i>Burlington Industries</i> <i>Mona Industries, Inc.</i> <i>Texaco Chemical Co.</i> <i>Westvaco Corp.</i>	448	(1)		
	Carboxylic acids with amide, ester or ether linkage, other <i>Atlas Refinery, Inc.</i> <i>Lonza, Inc.</i> <i>Virkler Co.</i>	(1)		(1)	
	Castor oil acids, potassium salt <i>Calgon Corp., Calgon Vestal Laboratories Div.</i> <i>Caschem, Inc.</i>	(1)	(1)		
	Castor oil acids, sodium salt <i>Dexter Chemical Corp.</i>	(1)		(1)	
	Castor oil, sulfated, sodium salt <i>Arol Chemical Products Co.</i> <i>Atlas Refinery, Inc.</i> <i>Climax Performance Materials Corp.</i> <i>Cytec Industries</i> <i>Dexter Chemical Corp.</i> <i>High Point Chemical Corp.</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Leatex Chemical Co.</i> <i>Marlowe Van Loan Corp.</i> <i>Reilly Whiteman, Inc.</i> <i>Sandoz Chemicals Corp. (Martin Plant)</i> <i>Whittemore Wright Co., Inc.</i>	1,702	1,782	3,219	\$ 1.81
	Coconut oil acids, diethanolamine salt <i>Rhone Poulenc, Inc.</i> <i>Sherex Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Coconut oil acids, ethanolamine salt <i>Sbs Products, Inc.</i>	(1)	(1)	(1)	
	Coconut oil acids-ethanolamine salt, sulfated,potassium salt <i>Exxon Chemical Americas</i>	(1)		(1)	
	Coconut oil acids, potassium salt <i>Calgon Corp., Calgon Vestal Laboratories Div.</i> <i>Concord Chemical Co., Inc.</i> <i>Essential Industries, Inc.</i> <i>Hewitt Soap Co., Inc.</i> <i>Huntington Laboratories, Inc.</i> <i>JTM Products, Inc.</i> <i>Moretex Chemical Products, Inc.</i> <i>Namico, Inc.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Reilly Whiteman, Inc.</i>	1,399		(1)	
	Coconut oil acids, sodium salt	68,210	3,968	4,309	1.09

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Colgate Palmolive Co.				
	Company not disclosed				
	Concord Chemical Co., Inc.				
	Dial Corp				
	Exxon Chemical Americas				
	Hewitt Soap Co., Inc.				
	Lever Brothers co				
	Namico, Inc.				
	Original Bradford Soap Works, Inc.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Coconut oil acids, 2-sulfoethyl ester, sodium salt	(1)	(1)	(1)	
	Finetex, Inc.				
	Lever Brothers co				
	Rhone Poulenc, Inc.				
	Coconut oil acids, triethanolamine salt	(1)	(1)	(1)	
	Vu/can Materials Co., Chemicals Div.				
	N-(Coconut oil acyl)-N-methyltaurine, sodium salt	(1)	(1)	(1)	
	Finetex, Inc.				
	Rhone Poulenc, Inc.				
	N-(Coconut oil acyl)sarcosine, sodium salt	(1)	(1)	(1)	
	Exxon Chemical Americas				
	W R Grace & Co., Organic Chem. Div., Hampshire Chemicals				
	N-[(Coconut oil alkyl)amino]butyric acid, sodium salt	327	259	863	\$ 3.33
	Akzo Chemicals, Inc.				
	Jetco Chemicals, Inc.				
	PPG Industries, Inc.				
	Sherex Chemical Co., Inc.				
	N-[Coconut oil alkyl]sulfosuccinamic and disodium salt	(1)	(1)	(1)	
	West Point Pepperell, Inc., Grifftex Chem. Co.				
	Coconut oil, sulfated, sodium salt	(1)	(1)	(1)	
	Whittemore Wright Co., Inc.				
	Cod oil, sulfated, sodium salt	(1)	(1)	(1)	
	Whittemore Wright Co., Inc.				
	Corn oil acids, potassium salt	(1)	(1)	(1)	
	Huntington Laboratories, Inc.				
	Corn oil acids, sodium salt	(1)	(1)	(1)	
	Namico, Inc.				
	Decyl and octyl phosphate	(1)	(1)	(1)	
	Ethox Chemicals, Inc.				
	Exxon Chemical Americas				
	Henkel Corp.				
	Hoechst Celanese Corp., Sou Tex Works				
	Decyl and octyl sulfate, sodium salt	(1)	(1)	(1)	
	Stepan Co.				
	Witco Corp.				
	Dodecylbenzenesulfonic acid, (Mixed alkyl)amine salt	53	(1)	(1)	
	Company not disclosed				
	Harcros Chemicals, Inc.				
	Jetco Chemicals, Inc.				
	PPG Industries, Inc.				
	Dodecyloxypoly(ethyleneoxy)acetic acid, sodium salt	(1)	(1)	(1)	
	Rhone Poulenc, Inc.				
	Dodecyl and tetradecyl alcohols, ethoxylated and sulfated, ammonium salt		(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021160 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
<i>Company not disclosed</i>					
	<i>Henkel Corp.</i>				
	Epoxidized oleic acid, ammonium salt <i>Miles, Inc., Agricultural Chemicals Div.</i>	(¹)	(1)	(1)	
	2-Ethylhexanol and ethoxylated nonylphenol, polyphosphated <i>C.N.C. International, Inc.</i>	(¹)	(¹)	(¹)	
	2-Ethylhexanol and ethoxylated nonylphenol, polyphosphated, sodium salt <i>C.N.C. International, Inc.</i>	(1)	(1)	(1)	
	Glycerol monoester of coconut oil acids, sulfated, sodium salt <i>Sloss Industries</i>	(1)	(¹)	(¹)	
	Grease, other than wool, sulfated, sodium salt <i>Whittemore Wright Co., Inc.</i>	(¹)	(1)	(1)	
	Herring oil, sulfated, sodium salt <i>Whittemore Wright Co., Inc.</i>	(1)	(1)	(1)	
	Hydrogenated marine glycerides, sulfated, sodium salt <i>Reilly Whiteman, Inc.</i>	(1)	(1)	(1)	
	Isostearic acid, mixed isopropanolamines salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	Lard, sulfated, sodium salt <i>Reilly Whiteman, Inc.</i> <i>Stockhausen, Inc.</i> <i>Whittemore Wright Co., Inc.</i>	(1)	(1)	(1)	
	Lauroyl lactylate, sodium salt <i>American Ingredients Co.</i>	(1)	(1)	(1)	
	Lauryl alcohol, ethoxylated and phosphated <i>Rhone Poulenc, Inc.</i>	(¹)	(1)	(1)	
	Ligninsulfates, all other <i>Ethox Chemicals, Inc.</i>	(1)	(1)	(1)	
	Linear alcohols, sulfated, all other <i>Lonza, Inc.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(9)	
	N-Methyl-N-(tall oil acyl)taurine, sodium salt <i>C. N. C. International, Inc.</i> <i>Finetex, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Westvaco Corp.</i>	(1)	47	154	S 3.28
	Mixed alkane sulfonic acid, sodium salt <i>Stepan Co.</i> <i>Witco Corp.</i>	(¹)	(1)	(1)	
	Mixed alkyl amphopropionate <i>Mona Industries, Inc.</i>	(1)	(¹)	(1)	
	Mixed alkyl phosphite, sodium salt <i>Company not disclosed</i>	(1)	(1)	PI	
	Mixed alkyl phosphate <i>Company not disclosed</i> <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>Witco Corp.</i>	697	587	2,341	3.99
	Mixed alkyl phosphate, alkylamine salt <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Mixed alkyl phosphate, diethanolamine salt <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(¹)	(1)	(1)	
	Mixed alkyl phosphate, potassium salt	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification / chemical description / manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
Chemical description/Manufacturer—Continued					
	Quaker Chemical Corp.				
	Mixed alkyl phosphate, triethanolamine salt	(1)	(¹)	(¹)	
	Company not disclosed				
	N-(Mixed alkylsulfonyl)glycine, sodium salt	(1)			
	W R Grace & Co., Organic Chem. Div., Hampshire Chemicals				
	Mixed fish oils, sulfated, ammonium salt	(1)	(1)	(1)	
	Stockhausen, Inc.				
	Mixed fish oils, sulfated, sodium salt	(¹)	(1)	(1)	
	Reilly Whiteman, Inc.				
	Whittemore Wright Co., Inc.				
	Mixed linear alcohols, alkoxyated and phosphated, potassium salt	(1)	(1)	(1)	
	Piedmont Chemical Industries, Inc.				
	Mixed linear alcohols, ethoxylated and phosphated	2,345	2,297	5,572	\$ 2.43
	BASF Corp (Parsippany, NJ)				
	Croda, Inc.				
	Essential Industries, Inc.				
	Ethox Chemicals, Inc.				
	Exxon Chemical Americas				
	Ferro Corp., Keil Chemical Div.				
	Gresco, Mfg., Inc.				
	Harcros Chemicals, Inc.				
	Hart Products Corp.				
	Hoechst Celanese Corp., Sou Tex Works				
	Marlowe Van Loan Corp.				
	Mona Industries, Inc.				
	Reilly Whiteman, Inc.				
	Rhone Poulenc, Inc.				
	SSC Industries, Inc.				
	Witco Corp.				
	Mixed linear alcohols, ethoxylated and phosphated, sodium salt	(1)		(1)	
	C. H. Patrick & Co., Inc.				
	Mixed linear alcohols, ethoxylated and sulfated, ammonium salt	(1)	(¹)	(1)	
	Company not disclosed				
	Company not disclosed				
	Henkel Corp.				
	Jetco Chemicals, Inc.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Rhone Poulenc, Inc.				
	Stepan Co.				
	Witco Corp.				
	Mixed linear alcohols, ethoxylated and sulfated, sodium salt	65,837	27,257	33,497	1.23
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Henkel Corp.				
	Pilot Chemical Co.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Rhone Poulenc, Inc.				
	Stepan Co.				
	Vista Chemical Co.				
	Westvaco Corp.				
	Witco Corp.				
	Mixed linear alcohols, sulfated, ammonium salt	(1)	(1)	(1)	
	Colgate Palmolive Co.				
	Company not disclosed				
	Henkel Corp.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021160 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>				
	<i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn)</i>				
	<i>Witco Corp.</i>				
	Mixed linear alcohols, sulfated, diethanolamine salt	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Mixed linear alcohols, sulfated, sodium salt	61,522	(¹)	(¹)	
	<i>Colgate Palmolive Co.</i>				
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>				
	<i>Witco Corp.</i>				
	Mixed linear alcohols, sulfated, triethanolamine salt	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	<i>Witco Corp.</i>				
	Mixed linear olefin sulfonate	(¹)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	<i>Westvaco Corp.</i>				
	Mixed(secondary linear alcohol)polyethylene propionic acid, sodium salt	(¹)	(¹)	(¹)	
	<i>C. H. Patrick & Co., Inc.</i>				
	Mixed vegetable fatty acids, potassium salt		(1)	(1)	
	<i>Reilly Whiteman, Inc.</i>				
	Mixed vegetable oils, sulfated, ammonium salt	(¹)	(1)	(1)	
	<i>Reilly Whiteman, Inc.</i>				
	Mustard seed oil, sulfated, sodium salt	(1)	(1)	(¹)	
	<i>Grant Industries, Inc.</i>				
	Naphthenic acid, ethoxylated	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Nonylphenol, ethoxylated and carbonated, sodium salt	(¹)	(1)	(1)	
	<i>Witco Corp.</i>				
	Octadecylamine, ethoxylated and phosphated, sodium salt	(1)	(1)		
	<i>Gresco, Mfg., Inc.</i>				
	Octyl phosphate, alkylamine salt	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	Oleic acid, mixed isopropanolamine salt	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Unitex Chemical Corp.</i>				
	Olive oil acids, potassium salt	(1)	(1)	(1)	
	<i>Huntington Laboratories, Inc.</i>				
	Oxoalcohol bottoms, sulfated, sodium salt	(1)	(1)	(1)	
	<i>Westvaco Corp.</i>				
	Palm kernel oil acids, potassium salt	(1)	(1)	(1)	
	<i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>				
	Palm kernel oil acids, sodium salt	(1)	(1)	(1)	
	<i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>				
	Palm oil acids, sodium salt	(1)	(1)	(1)	
	<i>Concord Chemical Co., Inc.</i>				
	<i>Dial Corp</i>				
	<i>Hewitt Soap Co., Inc.</i>				
	<i>Original Bradford Soap Works, Inc.</i>				
	Petroleum sulfonic acid, water soluble (Acid layer), sodium salt		(1)	(1)	
	<i>Dynachem, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Pilot Chemical Co.</i>				
	Phosphated and polyphosphated alcohols, all other	82	(1)	(1)	
	<i>Apollo Chemical Corp.</i>				
	<i>Ca/gene Chemical Corp.</i>				
	<i>Ethox Chemicals, Inc.</i>				
	Phosphoric and polyphosphoric acid esters, all other	116	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	<i>Hilton Davis Company</i>				
	<i>Lonza, Inc.</i>				
	<i>Olin Corp. (ii, iii, viii, ix, xii, xiv, xvi)</i>				
	<i>Witco Corp.</i>				
	Polyhydric alcohol, ethoxylated and phosphated	(1)		(1)	
	<i>Ethox Chemicals, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Poly(oxy-1,2-ethandiy1),w-(2-carboxy)-methyl-w-tridecyloxy, potassium salt	(1)	(1)	(1)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	Poly(oxy-1,2-ethandiy1), ta-(2-carboxyethoxy)-ut-hydroxy-a, a'-(iminodi-2, 1-ethandiy1) bis-,N-tallow alkyl derivs., potassium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Poly(oxyethylene decyl ether)phosphonate	(1)	(1)	(1)	
	<i>Jetco Chemicals, Inc.</i>				
	Polypropylene glycol, phosphated	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>Harcros Chemicals, Inc.</i>				
	Potassium and sodium salts of fatty, rosin, and tall oil acids, all other	(1)	(1)	(1)	
	<i>Uniroyal Chemical Co., Inc.</i>				
	<i>Westvaco Corp.</i>				
	Rosin acids, potassium salt	(1)	(1)	(1)	
	<i>Arizona Chemical Co.</i>				
	<i>Company not disclosed</i>				
	<i>Eastern Color & Chemical Co.</i>				
	<i>Westvaco Corp.</i>				
	Rosin acids, sodium salt	(1)	(1)	(1)	
	<i>Arizona Chemical Co.</i>				
	<i>Company not disclosed</i>				
	Rosin acids, triethanolamine salt	(1)	(1)	(1)	
	<i>Grant Industries, Inc.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	1-(Sodium carboxyethylene)-1-(sodium carboxymethyleneoxyethylene)-2-nor-(tall oil fatty acids)-2-imidazolium hydroxide	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	1-(Sodium carboxymethyl)-1-(sodium carboxymethyleneoxyethylene)-2-nor-(coconut oil fatty acids)-2-imidazolium lauryl sulfate	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Soybean oil acids, potassium salt	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	Soybean oil, sulfated, sodium salt	100	95	110	\$ 1.16
	<i>Climax Performance Materials Corp.</i>				
	<i>Whittemore Wright Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Stearoyl iso-lactylate	(1)	(1)	(1)	
	<i>American Ingredients Co.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021160 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Stearoyl iso-lactylate, sodium salt <i>American Ingredients Co.</i>	C)	(¹)	(¹)	
	Stearoyl-2 lactylate, calcium salt <i>American Ingredients Co.</i>	(¹)	(¹)	(¹)	
	Stearoyl lactylate, mixed sodium and calcium salt <i>American Ingredients Co.</i>	(¹)	(¹)	(9	
	Stearoyl lactylate, sodium salt <i>American Ingredients Co.</i>	(¹)	(¹)	(¹)	
	Sulfated animal fats and oils, all other <i>Hercules, Inc.</i> <i>Whittemore Wright Co., Inc.</i>	(¹)	(1)	C)	
	Sulfated cyclic ethers, all other <i>Lonza, Inc.</i> <i>Rhone Poulenc, Inc.</i>	FI	(1)	(¹)	
	Sulfated ethers, all other <i>Lonza, Inc.</i>	(¹)	0)	VI	
	Sulfated fish and marine fat oils, all other <i>Atlas Refinery, Inc.</i> <i>Whittemore Wright Co., Inc.</i>	(¹)	(¹)	(¹)	
	Sulfonic acids, all other <i>C.P. Hall Co.</i> <i>Stepan Co.</i> <i>Witco Corp.</i>	(¹)	(1)	(¹)	
	Sulfonic acids having amide linkages, all other <i>Sandoz Chemicals Corp. (Martin Plant)</i>	(1)	(1)	(¹)	
	Sulfonic acids with ether linkages, all other <i>PPG Industries, Inc.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>	(¹)	(¹)	(¹)	
	Sulfosuccinic acid, (coconut oil alkyl) iminoisopropanol half-ester, sodium salt <i>Mona Industries, Inc.</i>	(1)	0)	(1)	
	Sulfosuccinic acid esters, all other <i>Ca/gene Chemical Corp.</i> <i>Cytec Industries</i> <i>Henkel Corp.</i> <i>Mona Industries, Inc.</i> <i>Witco Corp.</i>	1,671	1,518	4,639	3.06
	Sulfosuccinic acid myristyl ester disodium monoethanolamine salt <i>Witco Corp.</i>	(¹)	C)	(¹)	
	Sulfosuccinic acid, nonoxynyl-10 ester, disodium salt <i>Mona Industries, Inc.</i>	(¹)	(¹)	VI	
	Sulfuric acid esters, all other <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	Tall Oil Acids <i>Arizona Chemical Co.</i>	(¹)	(¹)	(¹)	
	Tall oil acids, diethanolamine salt (Condensate) <i>Ferro Corp., Keil Chemical Div.</i> <i>Rhone Poulenc, Inc.</i> <i>West Point Pepperell, Inc., Grifftex Chem. Co.</i>	(¹)	(¹)	(1)	
	Tall oil acids, potassium salt <i>Concord Chemical Co., Inc.</i> <i>Essential Industries, Inc.</i> <i>Ferro Corp., Keil Chemical Div.</i> <i>Henkel Corp.</i> <i>Huntington Laboratories, Inc.</i> <i>JTM Products, Inc.</i>	1,976	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Leatex Chemical Co. Sbs Products, Inc. Westvaco Corp.				
	Tall oil acids, sodium salt Company not disclosed Company not disclosed Namico, Inc. Procter & Gamble Co., Procter & Gamble Mfg. Co. Reilly Whiteman, Inc. Westvaco Corp.	(1)	(1)	(1)	
	Tall oil acids, sulfated, sodium salt ICI Americas, Inc., Specialty Chemicals Div.	(1)		(1)	
	(Tall oil.fatty acids), triethanolamine salt The Murphy Phoenix Co.	(1)	(1)	(1)	
	Tall oil,sulfated, ammonia salt Stockhausen, Inc.	(1)	(1)	(1)	
	Tall oil, sulfated, sodium salt Atlas Refinery, Inc. Climax Performance Materials Corp. Stockhausen, Inc. Whittemore Wright Co., Inc.	260	(1)	(1)	
	Tallow acids, potassium salt Original Bradford Soap Works, Inc. Procter & Gamble Co., Procter & Gamble Mfg. Co. Reilly Whiteman, Inc.	(1)	(1)	(1)	
	Tallow acids, sodium salt Colgate Palmolive Co. Company not disclosed Concord Chemical Co., Inc. Dial Corp Hewitt Soap Co., Inc. Lever Brothers co Namico, Inc. Procter & Gamble Co., Procter & Gamble Mfg. Co.	217,696	13,085	8,411	0.64
	Tallow acids, triethanolamine salt Exxon Chemical Americas Grant Industries, Inc. Sbs Products, Inc.	(1)	(1)	(1)	
	(Tallow alkylamine Akzo Chemicals, Inc. Enenco, Inc. Exxon Chemical Americas Jetco Chemicals, Inc. Sherex Chemical Co., Inc. Witco Corp.	20,816	8,579	12,270	1.43
	Tallow, sulfated, sodium salt Atlas Refinery, Inc. C.N.C. International, Inc. National Starch & Chemical Co. Reilly Whiteman, Inc. Whittemore Wright Co., Inc.	307	263	259	0.99
	Taurine derivatives, all other Hoechst Celanese Corp., Sou Tex Works	(1)	(1)	(1)	
	N-2(C-5 to C-17)alkylamido-N-carboxyethyl,N-2-hydroxyethyl, 3-amino-2-hydroxypropyl phosphate, disodium salt Mona Industries, Inc.	(1)	(1)	(1)	
	Vegetable oils, sulfated, all other	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021150 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Reilly Whiteman, Inc.				
	Residual Total	602,167	310,287	329,713	\$ 1.06
340212	Cationic surface-active agents	267,795	157,975	325,167	2.06
34021210	Aromatic or modified aromatic cationic organic surface-active agents (other than soap)	30,590	19,869	49,200	2.48
	Benzyl(cocoamidopropyl)dimethyl ammonium chloride <i>Company not disclosed</i>	(¹)	(1)	(¹)	
	Benzyl(coconut oil alkyl)bis(2-hydroxyethyl) ammonium chloride <i>Company not disclosed</i> <i>Jetco Chemicals, Inc.</i>	(1)	(¹)	(¹)	
	Benzyl(coconut oil alkyl)dimethylammonium chloride <i>Akzo Chemicals, Inc.</i> <i>Company not disclosed</i> <i>Enenco, Inc.</i> <i>Exxon Chemical Americas</i> <i>Gresco, Mfg., Inc.</i> <i>Hart Products Corp.</i> <i>Witco Corp.</i>	450	463	1,257	2.71
	Benzyl-di(hydrogenated tallow alkyl)methylammonium chloride <i>Witco Corp.</i>	(¹)	(¹)	(1)	
	Benzyl dimethyl(mixed alkyl)ammonium chloride <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Huntington Laboratories, Inc.</i> <i>Lonza, Inc.</i> <i>PPG Industries, Inc.</i> <i>Sherex Chemical Co., Inc.</i> <i>Stepan Co.</i> <i>Witco Corp.</i>	6,538	4,212	17,149	4.07
	Benzyl dimethyl ()leyl ammonium chloride <i>Rhone Poulenc, Inc.</i>	(¹)	(¹)	(¹)	
	Benzyl dimethyl(tallow alkyl)ammonium chloride <i>Boehme Filatex., Inc.</i> <i>Enenco, Inc.</i> <i>Witco Corp.</i>	77	94	287	3.06
	Benzyl(hydrogenated tallow alkyl) dimethylammonium chloride <i>Akzo Chemicals, Inc.</i> <i>Enenco, Inc.</i> <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>	1,366	776	1,741	2.24
	1-Benzyl-1-(2-hydroxyethyl)-2-nor(tall oil alkyl)-2-imidazoline <i>Company not disclosed</i>	(1)	(1)		
	Benzyl-methyl-bis(hydrogenated tallow)ammonium chloride <i>Enenco, Inc.</i>	(1)	(1)	(1)	
	Benzyl(mixed alkyl)pyridinium chloride <i>Company not disclosed</i>	(1)	(1)	(1)	
	Benzyl(tallow alkyl)bis(2-hydroxyethyl)ammonium chloride <i>El. Dupont de Nemours & Co., Inc., Chems & Pigments</i>	(1)	(1)	(1)	
	Bis(2-hydroxyethyl, ethoxylated) methyloctadecylammonium chloride <i>Dow Chemical Co.</i> <i>Witco Corp.</i>	(¹)			

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021210 —Continued					
	Di(C5-C6 alkyl)inaphthalenesulfonic acid <i>Company not disclosed</i>	(1)	(1)	(1)	
	(Ethylbenzyl)dimethyl(mixed alkyl)ammonium chloride <i>Lonza, Inc.</i> <i>Stepan Co.</i>	(1)	(1)	(1)	
	N-Ethyl-N-(soybean oil alkyl)morpholinium ethyl sulfate <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)	(1)	(1)	
	1-(2-Hydroxyethyl)-2-nor(coconut oil alkyl)-2-imidazoline <i>Lonza, Inc.</i> <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	1-(2-Hydroxyethyl)-2-nor(tall oil alkyl)-2-imidazoline <i>Company not disclosed</i> <i>Mona Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i>	(1)		(1)	
	1-(2-Hydroxyethyl)-2-(tall oil alkyl)imidazoline, fatty acid salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	1-methyl-2-nor-tallow-1-[2-tallow amidoethyl]imidazoliummethyl sulfate <i>Sherex Chemical Co., Inc.</i>			(1)	
	Methyl-1-tallowamidoethyl-2-tallowimidazolium-methyl sulfate <i>Croda, Inc.</i>	(1)	(1)	(1)	
	Naphthenic acids-polyalkylene polyamine condensate <i>Company not disclosed</i>	(1)	(1)	(1)	
	Naphthenic acids-tall oil fatty acids-polyalkylene polyamine condensate <i>Company not disclosed</i>		(1)	(1)	
	Neat's foot oil, sulfated, sodium salt <i>Atlas Refinery, Inc.</i> <i>Whittemore Wright Co., Inc.</i>	(1)	(1)	(1)	
	Tall oil acids-polyalkylene polyamine condensate, salts, with dodecylbenzene sulfonic acid and/or tall oil fatty acids <i>Company not disclosed</i>	(1)	(1)	(1)	
	Residual Total	22,158	13,992	28,766	\$ 2.06
	34021250 Nonaromatic cationic organic surface-active agents (other than soap)	237,205	138,106	275,967	2.00
	Acetic acid, amides with polyalkylene polyamines, salt <i>Company not disclosed</i>	(1)	(1)	(1)	
	fl-Alanine-N-(2-hydroxyethyl)-N[211-oxococoyl]amino]ethyl, sodium salt <i>Sherex Chemical Co., Inc.</i>	(1)	(1)	(1)	
	N-Alkyl-aspartic acid, diester <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	Amides from C-19 <i>Company not disclosed</i>	(1)	(1)	(1)	
	Amides from c-18 unsaturated fatty acid dimers and polyhexamethylenepolyamines <i>Company not disclosed</i>	(1)	(1)	(1)	
	Amides from c-18 unsaturated fatty acid dimers and polyhexamethylenepolyamines, ethoxylated <i>Company not disclosed</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Amine oxides and oxygen-containing amines (Except those having amine linkages), cyclic, all other	2,480	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Witco Corp.</i>				
	Amine oxides and oxygen-containing amines (Except those with amide linkages), acyclic, all other	(1)	2,399	6,780	\$ 2.83
	<i>Akzo Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Ethyl Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Amine salts (Not containing oxygen), all other	(1)	(1)	(1)	
	<i>Jetco Chemicals, Inc.</i>				
	Amines and amine oxides having amide linkages, all other	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	(2-Aminoethyl)ethyl(hydrogenated tallow alkyl)(2-hydroxyethyl)ammonium ethyl sulfate	(1)	(1)	(1)	
	<i>Omega Chemicals, Inc.</i>				
	Bis(coconut oil alkyl)amine		(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	Bis(coconut oil alkyl)dimethylammonium chloride	1,707	1,349	4,213	3.12
	<i>Akzo Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Jetco Chemicals, Inc.</i>				
	PPG Industries, Inc.				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Bis(hydrogenated tallow alkyl)amine	323		(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Enenco, Inc.</i>				
	<i>Witco Corp.</i>				
	Bis(hydrogenated tallow alkyl)dimethylammonium chloride	35,780	35,839	60,835	1.70
	<i>Akzo Chemicals, Inc.</i>				
	<i>Enenco, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Bis(hydrogenated tallow alkyl)dimethylammoniummethyl sulfate	9,719	9,551	12,348	1.29
	<i>Akzo Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	N,N-Eiis(2-hydroxyethyl)(coconut oil alkyl)amine	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Bis(2-hydroxyethyl)(coconut oil alkyl) ammonium chloride	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Akzo Chemicals, Inc.</i>				
	Bis-2-hydroxyethyl-hydrogenated tallow-ethyl sulfate	(¹)	(¹)	(¹)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	Bis(2-hydroxyethylmethyl(tallow alkyl)ammonium chloride	(¹)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	N,N-Bis(2-hydroxyethyl)(tallow alkyl)amine	(¹)	2,501	3,783	\$ 1.51
	<i>Akzo Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	N,N-Bis(1-hydroxyisopropyl)tallowalkylamine	(¹)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	Bis(N-amidopropyl)-N,N-dimethyl-N-ethylammonium ethyl sulfate, dimer acid		(¹)	(¹)	
	<i>Scher Chemicals, Inc.</i>				
	Bis(N,N1-ethyl(stearic/arachidic/behenic)amide) cyanoethyl ethylammonium ethosulf ate	(¹)	(¹)	(¹)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	Bis(tallow alkyl)amine		(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	Bis(tallow alkyl)dimethylammonium chloride	(¹)	(¹)	(¹)	
	<i>Sherex Chemical Co., Inc.</i>				
	2-Butenediamide, (E)-, N,n'-bis(2-(4,5-dihydro-2-nortall oil alkyl)H-imidazol-1-y l)ethyl derivatives	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Carboxylic acid-diamine and polyamine condensates, all other	1,755	1,721	4,515	2.62
	<i>Atlas Refinery, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Lonza, Inc.</i>				
	<i>Westvaco Corp.</i>				
	Cationic surface-active agents, all other	3,724	1,209	16,059	13.28
	<i>Akzo Chemicals, Inc.</i>				
	<i>Burlington Industries</i>				
	<i>Cytec Industries</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Henkel Corp.</i>				
	<i>Inolex Chemical Co.</i>				
	PPG Industries, Inc.				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn)</i>				
	<i>Virkler Co.</i>				
	c-18 Fatty acids, unsaturated compounds, with polyethylene-polyamines-tall oil fatty acid reaction products	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	3-Cocoamido-N,N-dimethyl propylamine oxide		(¹)	(¹)	
	<i>Company not disclosed</i>				
	N-(Cocoamidopropyl N,N-acetic acid) ammonium salt	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Cocoamidopropyl dimethyl amine oxide	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021260 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Scher Chemicals, Inc.</i>				
	Cocodimethyl ethyl ammonium ethyl sulfate		(1)	(1)	
	<i>Sherex Chemical Co., Inc.</i>				
	Coconut oil acids-diethylenetriamine condensate	(1)	(1)	(1)	
	<i>Jetco Chemicals, Inc.</i>				
	Coconut oil acids-N,N-dimethyltrimethylenediamine condensate		(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	(Coconut oil alkyl amine	(1)	825	1,322	1.60
	<i>Akzo Chemicals, Inc.</i>				
	<i>Enenco, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	(Coconut oil alkyl)amine acetate	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	(Coconut oil alkyl)amine, ethoxylated	1,673	1,388	2,448	1.76
	<i>Akzo Chemicals, Inc.</i>				
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Karlshamns, USA</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	(Coconut oil alkyl)amine, ethoxylated, acetate	(1)	(1)	(1)	
	<i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>				
	Coconut oil(alkyl)amine, ethoxylated and phosphated	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	(Coconut oil alkyl)bis(2-hydroxyethyl, ethoxylated)-methylammonium chloride	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	<i>Witco Corp.</i>				
	(Coconut oil alkyl)-bis-(hydroxyethyl)methyl ethoxylated mono-(2-carboxyethyl)ether methyl sulfate, potassium salt	(1)	(1)	(1)	
	<i>Karlshamns, USA</i>				
	N-(Coconut oil alkyl)trimethylenediamine	828	628	1,708	2.72
	<i>Akzo Chemicals, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Diamines and polyamines, all other	(1)	156	573	3.67
	<i>Akzo Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Enenco, Inc.</i>				
	<i>Witco Corp.</i>				
	Dimeracidalkyl amine	(1)		(1)	
	<i>Enenco, Inc.</i>				
	<i>Witco Corp.</i>				
	N-(Dimeracidalkyl)trimethylenediamine	(1)	(1)	(1)	
	<i>Enenco, Inc.</i>				
	Dimer diamine	(1)	(1)	(1)	
	<i>Sherex Chemical Co., Inc.</i>				
	N,N-Dimethyl cocoamidopropyl amine oxide	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021260 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Akzo Chemicals, Inc.</i>				
	N,N-Dimethyl(coconut oil alkyl)amine	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	N,N-Dimethyl(coconut oil alkyl)amine oxide	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Dimethyldi(C12-18)ammonium chloride (mixed straight and branched chains)	(1)	(1)	(1)	
	<i>Sherex Chemical Co., Inc.</i>				
	N,N-Dimethyl(hydrogenated tallow alkyl)amine	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Grant Industries, Inc.</i>				
	N,N-Dimethyl(hydrogenated tallow alkyl)amine oxide	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	N,N-Dimethyl(mixed alkyl)amine	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Ethyl Corp.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	N,N-Dimethyl-119-octadecenyl-alkylamine	(1)	(1)	(1)	
	<i>Enenco, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	N,N-Dimethyl(soybean oil alkyl)amine	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	N,N-Dimethyl(tallow alkyl)amine	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	(Erucyl alkyl)amine	(1)	(1)	(1)	
	<i>Enenco, Inc.</i>				
	1,2-Ethanediamine, N-(2-aminoethyl)-, ethoxylated and propoxylated	(1)	(1)	(9)	
	<i>Company not disclosed</i>				
	N-Ethyl-N,N-bis(polyoxyethylene)tallow ammonium ethyl sulfate	(1)	(1)	(1)	
	<i>Sherex Chemical Co., Inc.</i>				
	Ethyl dimethyl(mixed alkyl)ammonium ethyl sulfate	(1)	(1)	(1)	
	<i>Dexter Chemical Corp.</i>				
	<i>Lonza, Inc.</i>				
	Ethylenediamine, alkoxyated	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	(Hydrogenated tallow alkyl)amine	5,066	2,685	4,188	\$ 1.56
	<i>Akzo Chemicals, Inc.</i>				
	<i>Enenco, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	(Hydrogenated tallow alkyl)amine acetate	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	(Hydrogenated tallow alkyl)amine, ethoxylated	(1)	(1)	(1)	
	<i>Ethox Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Stepan Co.</i>				
	<i>Witco Corp.</i>				
	(Hydrogenated tallow alkyl)trimethylammonium chloride	(1)	(1)	(1)	
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	1-(2-Hydrogenated tallow amidoethyl)-2-nor (hydrogenated tallow)-2-imidazoline	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sherex Chemical Co., Inc.</i>				
	Hydrogenated tallow diethylenetriamine condensate	1'	(¹)	(¹)	
	<i>Reilly Whiteman, Inc.</i>				
	N-2-hydroxy propyl-n-methyl-N,n-bis[tallow amide ethyl] ammonium ethyl sulfate	(¹)	(¹)	(¹)	
	<i>Sherex Chemical Co., Inc.</i>				
	1H-Imidazole-1-ethanamine, 4,5-dihydro-, 2-nortall-oil alkyl derivatives, acetates	(¹)	(¹)		
	<i>Company not disclosed</i>				
	2-Imidazoline-1-(2-aminoethyl)-2-(tall oil alkyl), ethoxylated	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Imidazolium, 1-carboxymethyl)-4,5-dihydro-1-(hydroxyethyl)-2-nor(cocoalkyl), hydroxides, monosodium salts	(¹)	(¹)	(¹)	
	<i>Sherex Chemical Co., Inc.</i>				
	N,N'-(Iminodi-2,1-ethanediy1)bis-tall oil fatty amides	0)	(1)	(¹)	
	<i>Company not disclosed</i>				
	Lignin amine	(1)	(1)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Westvaco Corp.</i>				
	Maleic anhydride, polypropylene glycol copolymer		(¹)	(¹)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	N-Methylbis(coconut oil alkyl amine)	327	136	124	\$ 0.91
	<i>Akzo Chemicals, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	N-Methylbis(hydrogenated tallow alkyl)amine	(¹)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Enenco, Inc.</i>				
	<i>Witco Corp.</i>				
	Methyl-ditallowimidazolium methosulfate	(¹)	(¹)	(¹)	
	<i>Karlshamns, USA</i>				
	1-Methyl-2-18-heptadeceny1)-1-(9-octadeceny1)amido ethyl	(¹)	(¹)	(¹)	
	<i>Sherex Chemical Co., Inc.</i>				
	Methyl(hydrogenated tallow alkyl)diethylamine condensate, polyethoxylated, methyl sulfate	(¹)	(¹)	(¹)	
	<i>Karlshamns, USA</i>				
	N-Methyl-N-polyoxyethylene-N,N-bis(hydrogenated tallow amidoethyl) ammonium	(¹)	(¹)	(¹)	
	<i>Sherex Chemical Co., Inc.</i>				
	N-Methyl-N-polyoxyethylene-N,N-bis(tallow amidoethyl)	(¹)	(¹)	(¹)	
	<i>Sherex Chemical Co., Inc.</i>				
	Methyltallowdiethylenetriamine condensate, polyethoxylated, methyl sulfate	(¹)	(¹)	(¹)	
	<i>Karlshamns, USA</i>				
	Methyltallowdiethylenetriamine condensate, polypropoxylated, methyl sulfate	(¹)	(¹)	(¹)	
	<i>Karlshamns, USA</i>				
	Methyl tri(C9-10)ammonium chloride	(¹)	(¹)	(¹)	
	<i>Sherex Chemical Co., Inc.</i>				
	3-(Mixed alkoxy)propylamine, ethoxylated oxides	(¹)	(¹)	(¹)	
	<i>Sherex Chemical Co., Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 34021260 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	3-(3-Mixed alkoxy)propylaminopropyl amine <i>Sherex Chemical Co., Inc.</i>	(1)	(¹)	(¹)	
	(Mixed alkyl)amine <i>Akzo Chemicals, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>		(¹)		
	(Mixed alkyl)amine, ethoxylated <i>Akzo Chemicals, Inc.</i> <i>Company not disclosed</i> <i>Croda, Inc.</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	302	(¹)	(¹)	
	(Mixed alkyl)amine phosphate <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	N-(Mixed alkyl)polyethylenepolyamine <i>Morton International, Inc., Specialty Chemicals Products</i>	(¹)		(¹)	
	Mixed fatty acid amide with diethylene triamine/ethyl sulfate <i>E.F. Houghton & Co.</i>	(¹)		(¹)	
	Mixed fatty acids-alkylenediamine condensate, polyethoxylate <i>Ca/gene Chemical Corp.</i> <i>Witco Corp.</i>	(¹)	(¹)	(¹)	
	Mixed fatty acids-polyalkylenepolyamine condensate <i>Jetco Chemicals, Inc.</i>	(¹)		(¹)	
	Mustard seed oil fatty acids diethylenetriamine, phosphate salt <i>Reilly Whiteman, Inc.</i>	(¹)		(¹)	
	2-Nor-tall oil alkyl-1-tall oil amido-ethyl imidazoline <i>Sherex Chemical Co., Inc.</i>	(¹)		(¹)	
	N-[3-(Octyloxy)propyl]-1,3-propanedimine <i>Jetco Chemicals, Inc.</i>	(1)		(¹)	
	Oleic acid-N,N-dimethyltrimethylenediamine condensate <i>Morton International, Inc., Specialty Chemicals Products</i>	(1)	(¹)	(¹)	
	Oxygen-containing quaternary ammonium salts (Except those having amide linkages), all other <i>Akzo Chemicals, Inc.</i> <i>Ca/gene Chemical Corp.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Ethox Chemicals, Inc.</i> <i>Exxon Chemical Americas</i> <i>Henkel Corp.</i> <i>Lonza, Inc.</i> <i>Sandoz Chemicals Corp. (Mt. Holly)</i> <i>Scher Chemicals, Inc.</i> <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>	3,889	3,191	8,721	\$ 2.73
	Pelargonic acid-tetraethylenepentamine condensate <i>Ethox Chemicals, Inc.</i> <i>Omega Chemicals, Inc.</i>	(¹)	(¹)	(¹)	
	Polyalicyclene polyamines and salts and quats <i>Company not disclosed</i>	(1)	(¹)	(¹)	
	Polyalkylene polyamine, ethoxylated <i>BASF Corp (Parsippany, NJ)</i>		(¹)	(¹)	
	Polyamine/tall oil imidazoline	(1)	(¹)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021260 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Witco Corp.</i>				
	Polyethoxy methyistearyl ammonium chloride	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Poly(oxyethanyl, 2-diy1)-di-(2-12-bis(2-aminoethylmethylamiumethyl- <i>Karlshamns, USA</i>	(1)	(1)	(1)	
	Polypropoxy diethylmethyl ammonium chloride	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	1-Propanamine, 3-(C ₁₂ -C ₁₅ alkoxy derivatives)	(1)	(1)		
	<i>Jetco Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	Quaternary ammonium salts having amide linkages, all other	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Inolex Chemical Co.</i>				
	<i>Lonza, Inc.</i>				
	Quaternary ammonium salts, not containing oxygen, acyclic, all other	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	Quaternary ammonium salts not containing oxygen, cyclic, all other	741	703	2,165	\$ 3.08
	<i>Akzo Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Lonza, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
	Rosin amine, ethoxylated	(1)	(1)		
	<i>Company not disclosed</i>				
	<i>Hercules, Inc.</i>				
	Secondary and tertiary monoamines, all other	2,992	1,054	4,015	3.81
	<i>Akzo Chemicals, Inc.</i>				
	<i>Enenco, Inc.</i>				
	<i>Ethyl Corp.</i>				
	<i>Witco Corp.</i>				
	(Soybean oil alkyl)amine	2,634	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Enenco, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	(Soybean oil alkyl)amine, ethoxylated	507	496	1,586	3.20
	<i>Akzo Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Karlshamns, USA</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	N-(Soybean oil alkyl)trimethylenediamine	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 34021250 —Continued					
<i>Chemical description/Manufacturer — Continued</i>					
	<i>Enenco, Inc.</i>				
	<i>Witco Corp.</i>				
	Stearamidopropyldimethylcetylammonium tosylate and propylene glycol <i>ISP Van Dyk, Inc.</i>	(1)			
	Stearic acid, diethanolamine condensate, methyl sulfate <i>El. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>Piedmont Chemical Industries, Inc.</i>	(1)			
	Stearic acid-diethylenetriamine condensate <i>Akzo Chemicals, Inc.</i> <i>Omega Chemicals, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn)</i>	(1)			
	Stearic acid-diethylenetriamine condensate, ethyl sulfate <i>Gresco, Mfg., Inc.</i>	(1)	(1)	(1)	
	Stearic acid - ethylenediamine condensate <i>SSC Industries, Inc.</i>	(1)	(1)	(1)	
	Stearic acid-ethylenediamine condensate, monoethoxylated <i>Apollo Chemical Corp.</i> <i>Dexter Chemical Corp.</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Soluol Chemical Co., Inc.</i>	49	(1)	(1)	
	Stearic acid mixed amine condensate <i>Hoechst Celanese Corp., Sou Tex Works</i>		(1)	(1)	
	Stearic acid-tetraethylenepentamine condensate <i>Company not disclosed</i>		(1)	(1)	
	Stearylamidopropyldimethyl amine <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Tall oil acids-diethylenetriamine condensate <i>Henkel Corp.</i> <i>Jetco Chemicals, Inc.</i> <i>Westvaco Corp.</i> <i>Witco Corp.</i>	699		VI	
	Tall oil acids-polyalkylenepolyamine condensate <i>Akzo Chemicals, Inc.</i> <i>Company not disclosed</i> <i>Jetco Chemicals, Inc.</i> <i>Westvaco Corp.</i>	(1)	(1)	(1)	
	(Tall oil alkyl)amine <i>Jetco Chemicals, Inc.</i>	(1)	VI		
	Tall oil fatty acids, compound with polyethylenepolyamine-tall oil fatty acid reaction products <i>Company not disclosed</i>	(1)	(1)	(1)	
	Tall oil fatty acids, reaction products with diethylenetriamine acetates <i>Company not disclosed</i>	(1)	(1)	(1)	
	Tallow acids, diethanolamine salt <i>Sbs Products, Inc.</i>	(1)	(1)	(1)	
	(Tallow alkyl)amine acetate <i>Akzo Chemicals, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Sherex Chemical Co., Inc.</i>	(1)	(1)	(1)	
	(Tallow alkyl)amine, ethoxylated <i>Akzo Chemicals, Inc.</i>	5,750	4,762	8,015	\$ 1.68

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	BASF Corp (Parsippany, NJ)				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>El. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Henkel Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	PPG Industries, Inc.				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	(Tallow alkyl)amine, propoxylated	(¹)	(¹)	(¹)	
	<i>Sherex Chemical Co., Inc.</i>				
	(Tallow alkyl)amine, quaternized, ethoxylated	(¹)	(¹)	(¹)	
	<i>Jetco Chemicals, Inc.</i>				
	N-(Tallow alkyl)dipropylenetriamine	(¹)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Jetco Chemicals, Inc.</i>				
	Tallow alkyl)ethoxylated, ethyl sulfate	(1)		(¹)	
	<i>Karlshamns, USA</i>				
	N-(Tallow alkyl)trimethylenediamine	7,510	3,472	6,214	\$ 1.79
	<i>Akzo Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Jetco Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	N-(Tallow alkyl)trimethylenediamine acetate	(¹)	0)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Jetco Chemicals, Inc.</i>				
	NA fallow alkyl)trimethylenediamine, ethoxylated	2,074	1,566	3,002	1.92
	<i>Akzo Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Jetco Chemicals, Inc.</i>				
	N-(Tallow alkyl)trimethylenediamine oleate	(¹)	(¹)	(¹)	
	<i>Akzo Chemicals, Inc.</i>				
	N-Tallow alkyl)tripropylenetetra-amine	(¹)	(¹)	(¹)	
	<i>Jetco Chemicals, Inc.</i>				
	Tallow amine, ethoxylated, quarternary ammonium salt	(¹)	(¹)	(¹)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>ISP Van Dyk, Inc.</i>				
	[Tallow ethyl alkyl)amine, ethoxylated, sulfate	(1)	(¹)	(¹)	
	<i>Rhone Poulenc, Inc.</i>				
	Tallow fatty acids-aminoethylethanolamine condensates	(¹)	(¹)	(¹)	
	<i>Omega Chemicals, Inc.</i>				
	N,N,N',N'-Tetrakis(2-Hydroxyethyl)ethylenediamine, propoxylated	(¹)	(¹)	(¹)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Trihydrogenated tallow ammonium chloride	(¹)	(¹)	(¹)	
	<i>Enenco, Inc.</i>				
	Trimethyl(mixed alkyl)ammonium chloride	(¹)	(¹)	(¹)	
	<i>Jetco Chemicals, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021250 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Lonza, Inc.				
	Trimethyl(soybean oil alkyl)ammonium chloride	(1)	(1)	(1)	
	Akzo Chemicals, Inc.				
	Jetco Chemicals, Inc.				
	Trimethyl(tallow alkyl)ammonium chloride	(1)	1,015	2,824	2.78
	Akzo Chemicals, Inc.				
	Enenco, Inc.				
	Jetco Chemicals, Inc.				
	Sherex Chemical Co., Inc.				
	Witco Corp.				
	Tri(mixed alkyl)amine	(1)		(1)	
	Sherex Chemical Co., Inc.				
	Residual Total	146,676	61,159	112,914	1.85
340213	Nonionic surface-active agents	(1)	(1)	(1)	
34021310	Aromatic or modified aromatic nonionic organic surface-active agents (other than soap)	20,688	(1)	(1)	
	Alkylphenol-formaldehyde condensates, alkoxyated, all other	1,984		(1)	
	BASF Corp (Parsippany, NJ)				
	Company not disclosed				
	Company not disclosed				
	Ethox Chemicals, Inc.				
	Witco Corp.				
	Amyiphenol-formaldehyde, alkoxyated	(1)	(1)	(1)	
	Company not disclosed				
	Formaldehyde, dicyandiamide, ethylene sulfate polymers	(1)	(1)	(1)	
	Piedmont Chemical Industries, Inc.				
	Mixed alkyl benzoate	(1)	(1)	(1)	
	Apollo Chemical Corp.				
	(Mixed alkyl)phenol alkylenediaminealkanolamine formaldehyde	(1)	(1)	(1)	
	Company not disclosed				
	(Mixed alkyl)phenol epichlorohydrin-formaldehyde, alkoxyated	(1)	(1)		
	Company not disclosed				
	(Mixed alkyl)phenol, ethoxyated	(1)	(1)	(1)	
	Milliken & Co., Milliken Chemical Div.				
	(Mixed alkyl)phenol-formaldehyde, alkoxyated	5,989		(1)	
	Company not disclosed				
	Company not disclosed				
	Exxon Chemical Americas				
	Hoechst Celanese Corp., Sou Tex Works				
	Jetco Chemicals, Inc.				
	Witco Corp.				
	Mixed linear alcohols, ethoxyated, benzyl ether	(1)	(1)	(1)	
	Company not disclosed				
	Naphthalene sulfonic acid, polymer with formaldehyde and 4,4'-dihydroxydiphenyl sulfone	(1)	(1)	(1)	
	Piedmont Chemical Industries, Inc.				
	Nonyl phenol ethoxyate, oleate	(1)	(1)	(1)	
	E.F. Houghton & Co.				
	Nonylphenol-formaldehyde, alkoxyated	3,092	2,061	5,388	2.61
	BASF Corp (Parsippany, NJ)				
	Company not disclosed				
	Company not disclosed				
	Witco Corp.				
	P-tert-Butylphenol-formaldehyde, alkoxyated	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021310 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Company not disclosed</i>				
	Phenols, ethoxylated, all other	2,776	2,695	6,092	\$ 2.26
	BASF Corp (Parsippany, NJ)				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	p-Phenylphenol, alkoxyated	(1)	(1)		
	BASF Corp (Parsippany, NJ)				
	Phenylstyrene, ethoxylated	(1)	(1)	(1)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Polycarboxylic acid, alkylphenoxyalkoxylate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Styrenated phenol, ethoxylated	(1)	(1)	(1)	
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	Residual Total	6,847	(1)	(1)	
	Polyethylene glycol sesquinoleate	(1)	(1)	(1)	
	<i>SSC Industries, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
	Carboxylic acid - alkanolamine condensates, all other	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	Residual Total	(1)	(1)	(1)	
34021320 Nonaromatic nonionic organic surface-active agents (other than soap) of fatty substances of animal or vegetable origin					
	Anhydrosorbitol triester of tall oil acids	95,249	86,246	173,895	2.02
	<i>Company not disclosed</i>	(1)	(1)	(1)	
	Castor oil acids, diethanolamine condensate (Ratio = 2/1)	(1)	(1)	(1)	
	<i>National Starch & Chemical Co.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Cholesterol isostearate	(1)	(1)	(1)	
	<i>High Point Chemical Corp.</i>				
	Coconut oil alcohol, ethoxylated	(1)	(1)	(1)	
	<i>Ethox Chemicals, Inc.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Coconut oil, ethoxylated	(1)	(1)	(1)	
	<i>Karlshamns, USA</i>				
	Decyl and octyl alcohols, ethoxylated	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Decyl and octyl alcohols, ethoxylated and propoxylated	(1)	(1)	(1)	
	PPG Industries, Inc.				
	Diethylene glycol monoester of coconut oil acids	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	Diethylene glycol monoester of tall oil acids	(1)	(1)	(1)	
	<i>Buckman Laboratories, Inc.</i>				
	Diethylene glycol monoester of tallow acids	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	Diethylene glycol sesquiesther of tall oil acids	(1)	(1)	(1)	
	<i>Eastern Color & Chemical Co.</i>				
	<i>Westvaco Corp.</i>				
	Ethoxylated anhydrosorbitol triester of tall oil acids	(1)	(1)	(1)	
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021320 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Witco Corp.</i>				
	ethoxylated 1,3-butylene glycol condensed with oil fatty aciEthoxylated 1,3-butylene glycol stearate <i>Hoechst Celanese Corp., Sou Tex Works</i>	(¹)	(1)	(1)	
	Ethoxylated glycerol and propylene glycol esters of coco fatty acids <i>Karlshamns, USA</i>	(1)	(1)	(1)	
	Ethoxylated glycerol sesquiesther of mixed fatty acids <i>Calgene Chemical Corp.</i> <i>Lonza, Inc.</i> <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>	1,363	1,397	3,022	\$ 2.16
	Ethoxylated sorbitol beeswax ester <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)		(¹)	
	Ethoxylated sorbitol hexaester of tall oil acids <i>Lonza, Inc.</i> <i>PPG Industries, Inc.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>	(1)	(¹)	(1)	
	Ethoxylated sorbitol lanolin ester <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)		(¹)	
	Ethoxylated sorbitol tetraester of lauric and oleic acids <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(¹)	(¹)	(¹)	
	Ethoxylated sorbitol tetraester of tall oil acids <i>Company not disclosed</i> <i>Witco Corp.</i>		(1)	(1)	
	Glycerine, alkoxyated <i>Company not disclosed</i>	(1)	(¹)	(¹)	
	Glycerol diester of lard acids <i>Karlshamns, USA</i> <i>Lonza, Inc.</i>	(1)	(¹)	(¹)	
	Glycerol ester of mixed decanoic and octanoic acids <i>Inolex Chemical Co.</i>	(1)	(1)	(1)	
	Glycerol mono- and diesters of mixed (c18-18 unsaturated)acids <i>Inolex Chemical Co.</i>	(1)	(1)	(1)	
	Glycerol mono- and diesters of mixed fatty acids <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)	(1)	(1)	
	Glycerol monoester of C ₆ -C ₁₀ acids <i>Karlshamns, USA</i>	(1)	(1)	(1)	
	Glycerol monoester of cottonseed oil acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i> <i>Inolex Chemical Co.</i>	(1)	(1)	(1)	
	Glycerol monoester of hydrogenated cottonseed oil acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Glycerol monoester of hydrogenated lard acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Glycerol monoester of hydrogenated soybean oil acids <i>Ca/gene Chemical Corp.</i> <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Glycerol monoester of lard acids <i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>	(1)	(1)	(1)	
	Glycerol monoester of mixed fatty acids, acetylated	(1)	(¹)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021320 —Continued					
Chemical description/Manufacturer—Continued					
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Glycerol monoester of mixed fatty acids, succinylated	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Glycerol monoester of mixed vegetable oil acid	(1)	(1)	(1)	
	American Ingredients Co.				
	Glycerol monoester of palm oil acids	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Glycerol monoester of safflower oil acids	(1)	(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Glycerol monoester of tall oil acids	(1)	(1)	(1)	
	E.F. Houghton & Co.				
	Ferro Corp., Keil Chemical Div.				
	Glycerol monoester of tallow acids		(1)	(1)	
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Glycerol sesquiesther of hydrogenated tallow acids	(1)	(1)	(1)	
	Piedmont Chemical Industries, Inc.				
	Glycerol triester of mixed fatty acids	(1)	(1)	(1)	
	Karlshamns, USA				
	Hydrogenated tallow glycerides diethylenediamine condensate		(1)	(1)	
	Leatex Chemical Co.				
	Lanolin, ethoxylated	626	499	1,282	\$ 2.57
	Company not disclosed				
	Company not disclosed				
	Croda, Inc.				
	Ethox Chemicals, Inc.				
	High Point Chemical Corp.				
	Karlshamns, USA				
	Mixed alcohols, ethoxylated	977	824	1,278	1.55
	Company not disclosed				
	Exxon Chemical Americas				
	Harcros Chemicals, Inc.				
	Milliken & Co., Milliken Chemical Div.				
	Sandoz Chemicals Corp. (Martin Plant)				
	Witco Corp.				
	Mixed alkyl stearate	(1)		(1)	
	SSC Industries, Inc.				
	Mixed oleic, lauric, stearic, and palmitic hexaglycerol esters	(1)	(1)	(1)	
	Karlshamns, USA				
	Mixed tall oil and rosin acids, ethoxylated	(1)	(1)	(1)	
	Hoechst Celanese Corp., Sou Tex Works				
	Natural fats and oils, ethoxylated, all other	2,871	2,863	5,692	1.99
	BASF Corp (Parsippany, NJ)				
	Ethox Chemicals, Inc.				
	Henkel Corp.				
	/SP Van Dyk, Inc.				
	Lonza, Inc.				
	Sybron Chemicals, Inc.				
	tert-Octylphenol-formaldehyde, ethoxylated	(1)	(1)	(1)	
	Sterling Drug, Inc., Sterling Organics Div.				
	Pentaerythritol tetraoleate	(1)	(1)	(1)	
	PPG Industries, Inc.				
	Polyalkylene glycol oleate	(1)	(1)	(1)	
	SSC Industries, Inc.				
	Polycarboxylic acid, alkylate	(1)	(1)	(1)	
	Company not disclosed				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021320 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Polyether diols <i>Witco Corp.</i>	(1)	(1)	(1)	
	Polyether triols <i>Witco Corp.</i>	(1)	(1)	(1)	
	Polyethylene glycol diester of coconut oil acids PPG Industries, Inc.	(1)	(1)	(1)	
	Polyethylene glycol diester of mixed liner acid/oleic acid <i>Piedmont Chemical Industries, Inc.</i>	(1)	(1)	(1)	
	Polyethylene glycol diester of tall oil acids <i>Atlas Refinery, Inc.</i> <i>C.N.C. International, Inc.</i> <i>Company not disclosed</i> <i>E.F. Houghton & Co.</i> <i>Ethox Chemicals, Inc.</i> <i>High Point Chemical Corp.</i> <i>Lonza, Inc.</i> PPG Industries, Inc. <i>Quaker Chemical Corp.</i> <i>Reilly Whiteman, Inc.</i>	3,806	1,068	1,363	\$ 1.28
	Polyethylene glycol dilaurate <i>Calgene Chemical Corp.</i> <i>E.F. Houghton & Co.</i> <i>Ethox Chemicals, Inc.</i> <i>Inolex Chemical Co.</i> <i>Lonza, Inc.</i> PPG Industries, Inc. <i>Stepan Co.</i>	834	845	1,221	1.44
	Polyethylene glycol dioleate <i>C.P. Hall Co.</i> <i>Calgene Chemical Corp.</i> <i>E.F. Houghton & Co.</i> <i>Henkel Corp.</i> <i>Lonza, Inc.</i> <i>Milliken & Co., Milliken Chemical Div.</i> <i>Omega Chemicals, Inc.</i> PPG Industries, Inc. <i>Quaker Chemical Corp.</i> <i>SSC Industries, Inc.</i> <i>Stepan Co.</i>	981	722	1,473	2.04
	Polyethylene glycol distearate <i>Calgene Chemical Corp.</i> <i>Lonza, Inc.</i> PPG Industries, Inc. <i>Rhone Poulenc, Inc.</i> <i>Stepan Co.</i> <i>Witco Corp.</i>	1,103	1,021	3,131	3.07
	Polyethylene glycol ester of mixed fatty acids <i>SSC Industries, Inc.</i> <i>Sherex Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Polyethylene glycol (mixed ester) of tall oil acids <i>Reilly Whiteman, Inc.</i>	(1)	(1)		
	Polyethylene glycol monoester of coconut oil acids <i>ICI Americas, Inc., Specialty Chemicals Div.</i>	(1)	(1)	(1)	
	Polyethylene glycol monoester of soybean oil acids <i>Inolex Chemical Co.</i>	(1)	(1)	(1)	
	Polyethylene glycol monoester of tall oil acids	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021320 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Buckman Laboratories, Inc. E.F. Houghton & Co. West Point Pepperell, Inc., Griffitex Chem. Co.				
	Polyethylene glycol monolaurate	4,124	3,898	5,543	\$ 1.42
	Akzo Chemicals, Inc. C. P. Hall Co. E.F. Houghton & Co. Ethox Chemicals, Inc. ICI Americas, Inc., Specialty Chemicals Div. Lonza, Inc. PPG Industries, Inc. Rhone Poulenc, Inc. Stepan Co.				
	Polyethylene glycol mono-oleate	2,522	2,297	3,508	1.53
	Akzo Chemicals, Inc. Boehme Filatex., Inc. C.P. Hall Co. Calgene Chemical Corp. Company not disclosed E.F. Houghton & Co. Ethox Chemicals, Inc. Harcros Chemicals, Inc. Hilton Davis Company Hoechst Celanese Corp., Sou Tex Works Lonza, Inc. Marlowe Van Loan Corp. Morton International, Inc., Morton Chemical Div. Omega Chemicals, Inc. PPG Industries, Inc. Sherex Chemical Co., Inc. Stepan Co. Virkler Co. Witco Corp.				
	Polyethylene glycol mono-oleate, ethoxylated	(¹)	(¹)	01	
	ICI Americas, Inc., Specialty Chemicals Div.				
	Polyethylene glycol monopalmitate	(¹)	(¹)	(¹)	
	Ethox Chemicals, Inc. Hoechst Celanese Corp., Sou Tex Works Rhone Poulenc, Inc.				
	Polyethylene glycol monopelargonate, methoxylated	(¹)	(¹)	(¹)	
	Rhone Poulenc, Inc.				
	Polyethylene glycol monotallate	(¹)	(¹)	(¹)	
	C.N.C. International, Inc. PPG Industries, Inc.				
	Polyethylene glycol, propoxylated	(¹)	(¹)	(¹)	
	Rhone Poulenc, Inc.				
	Polyethylene glycol sesquiester of coconut oil acids	(¹)	(¹)	(¹)	
	Exxon Chemical Americas Henkel Corp.				
	Polyethylene glycol sesquiester of tall oil acids	(¹)	(¹)	(¹)	
	Company not disclosed ICI Americas, Inc., Specialty Chemicals Div. Witco Corp.				
	Polyethylene glycol sesquiester of tallow acids	P1	(¹)	(¹)	
	Yorkshire Pat Chem, Inc.				
	Polyethylene glycol terephthalate	(¹)	(¹)	(¹)	
	Boehme Filatex., Inc.				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021320 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Piedmont Chemical Industries, Inc.</i>				
	Polyglycerol distearate <i>Calgene Chemical Corp.</i> <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	Polyglycerol mono-oleate <i>Calgene Chemical Corp.</i> <i>Karlshamns, USA</i> <i>Lonza, Inc.</i> PPG Industries, Inc. <i>Witco Corp.</i>	425	401	1,338	\$ 3.33
	Polyglycerol monostearate <i>Karlshamns, USA</i> <i>Lonza, Inc.</i>	(¹)	(¹)	(¹)	
	Polyglycerol tetraoleate PPG Industries, Inc.	(1)	(1)	(1)	
	Poly(mixed ethylene, propylene)glycol <i>Ca/gene Chemical Corp.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Ethox Chemicals, Inc.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i> <i>Witco Corp.</i>	4,368	(1)	(1)	
	Polypropylene glycol, ethoxylated BASF Corp (Parsippany, NJ) <i>Calgene Chemical Corp.</i> <i>Company not disclosed</i> <i>Ethox Chemicals, Inc.</i> <i>Harcros Chemicals, Inc.</i> <i>Henkel Corp.</i> PPG Industries, Inc. <i>Rhone Poulenc, Inc.</i> <i>Witco Corp.</i>	(1)	(1)	(¹)	
	1,2-Propanediol dioctanoate/decanoate <i>Karlshamns, USA</i>	(1)	(1)		
	1,3-Propanediol monoester of coconut oil acids <i>Calgene Chemical Corp.</i>	(1)	(1)	(¹)	
	Propylene glycol esters of hydrogenated palm oil <i>ISP Van Dyk, Inc.</i>	(1)	(¹)	(1)	
	Sorbitan monoisostearate <i>Croda, Inc.</i>	(1)	(1)	(1)	
	Stearyl alcohol, propoxylated <i>Karlshamns, USA</i> <i>Witco Corp.</i>	(¹)	(¹)	(1)	
	Tall oil acids, ethoxylated <i>Ferro Corp., Keil Chemical Div.</i> <i>High Point Chemical Corp.</i>	(1)	(1)	(1)	
	Tall oil acids, ethoxylated and propoxylated <i>Rhone Poulenc, Inc.</i>	(1)	(¹)	(¹)	
	Tall oil, refined, ethoxylated <i>Company not disclosed</i>		(1)	(1)	
	Tallow alcohol, ethoxylated <i>Ethox Chemicals, Inc.</i> <i>Exxon Chemical Americas</i> PPG Industries, Inc. <i>Rhone Poulenc, Inc.</i>	2,562	2,514	5,445	2.1 7
	Triglycerides, ethoxylated <i>Croda, Inc.</i>	(¹)	(¹)	(1)	
	Residual Total	68,686	67,898	139,599	2.06

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
34021350 Nonaromatic nonionic organic surface-active agents (other than soap), other than of fatty substances of animal or vegetable origin					
	Alkanolamine condensates, all other <i>Company not disclosed</i> <i>Harcros Chemicals, Inc.</i>	391,520 (1)	368,381 (1)	453,393 (1)	\$ 1.23
	Amino tris(methylene phosphonic acid) <i>Jetco Chemicals, Inc.</i>	(1)	(1)	(1)	
	Anhydrosorbitol esters, all other <i>Lonza, Inc.</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i>	(1)	(1)	(1)	
	Anhydrosorbitol monoester of tall oil acids <i>Company not disclosed</i>	(1)		(1)	
	Bisphenol A, propoxylated <i>PPG Industries, Inc.</i>		(1)	(1)	
	Carboxylic acid amides, all other <i>Lonza, Inc.</i> <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	Carboxylic acid esters, all other <i>Atlas Refinery, Inc.</i> <i>C. H. Patrick & Co., Inc.</i> <i>Ca/gene Chemical Corp.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>E.F. Houghton & Co.</i> <i>Ethox Chemicals, Inc.</i> <i>Henkel Corp.</i> <i>Inolex Chemical Co.</i> <i>Karlshamns, USA</i> <i>Lonza, Inc.</i> <i>Milliken & Co., Milliken Chemical Div.</i> <i>Mona Industries, Inc.</i> <i>PPG Industries, Inc.</i> <i>West Point Pepperell, Inc., Grifftex Chem. Co.</i>	4,040	3,368	7,318	2.17
	Castor oil, ethoxylated <i>Calgene Chemical Corp.</i> <i>Caschem, Inc.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Croda, Inc.</i> <i>Ethox Chemicals, Inc.</i> <i>Grant Industries, Inc.</i> <i>Harcros Chemicals, Inc.</i> <i>Henkel Corp.</i> <i>Heterene Chemical Corp.</i> <i>High Point Chemical Corp.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Karlshamns, USA</i> <i>Milliken & Co., Milliken Chemical Div.</i> <i>PPG Industries, Inc.</i> <i>Sandoz Chemicals Corp. (Martin Plant)</i> <i>Witco Corp.</i>	11,860	9,822	13,978	1.42
	Chemically defined linear alcohol, alkoxylated, all other <i>BASF Corp (Parsippany, NJ)</i> <i>Calgene Chemical Corp.</i> <i>Croda, Inc.</i> <i>Henkel Corp.</i>	236	239	962	4.03

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Jetco Chemicals, Inc. Lonza, Inc.				
	Coconut oil acids, diethanolamine condensate, nes <i>Hickson Danchem Corporation</i> <i>Mona Industries, Inc.</i> PPG Industries, Inc.	641	608	956	\$ 1.57
	Coconut oil acids, diethanolamine condensate (Ratio = 1/1) <i>Andrew Jergens Co</i> <i>Ardmore, Inc.</i> <i>Company not disclosed</i> <i>Concord Chemical Co., Inc.</i> <i>Ethox Chemicals, Inc.</i> <i>Gillette Chemical Co.</i> <i>Grant Industries, Inc.</i> <i>Harcros Chemicals, Inc.</i> <i>Henkel Corp.</i> <i>Heterene Chemical Corp.</i> <i>Lonza, Inc.</i> <i>Mona Industries, Inc.</i> <i>Pilot Chemical Co.</i> <i>Rhone Poulenc, Inc.</i> <i>Scher Chemicals, Inc.</i> <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>	5,638	6,327	10,944	1.73
	Coconut oil acids, diethanolamine condensate (Ratio = 2/1) <i>Ardmore, Inc.</i> <i>Arol Chemical Products Co.</i> <i>Burlington Industries</i> <i>E.F. Houghton & Co.</i> <i>Ethox Chemicals, Inc.</i> <i>Hart Products Corp.</i> <i>Huntington Laboratories, Inc.</i> <i>Leatex Chemical Co.</i> <i>Marlowe Van Loan Corp.</i> <i>Mona Industries, Inc.</i> <i>Moretex Chemical Products, Inc.</i> PPG Industries, Inc. <i>Reilly Whiteman, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Ruetgers Nease Chemical Co.</i> <i>Sherex Chemical Co., Inc.</i> <i>West Point Pepperell, Inc., Grifftex Chem. Co.</i> <i>Witco Corp.</i>	1,268	1,295	2,093	1.62
	Coconut oil acids-dimethylaminopropylamine condensate (amine/acid ratio = 1/1) <i>Company not disclosed</i>	(¹)	(1)	(1)	
	Coconut oil acids, ethanolamine condensate (Ratio = 1/1) <i>Mona Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>SSC Industries, Inc.</i> <i>Stepan Co.</i>	(1)	(1)	(1)	
	Coconut oil acids, ethanolamine condensate (Ratio = 2/1) <i>Exxon Chemical Americas</i> <i>Heterene Chemical Corp.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021360 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	ISP Van Dyk, Inc.				
	Mona Industries, Inc.				
	Coconut oil acids and oleic acid, potassium salt	1	(1)	(1)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Coconut oil and tallow acids, diethanolamine condensate (Ratio = 2/1)	<>	<>		
	<i>C.N.C. International, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	<i>United Aniline co</i>				
	Complex glycerol esters, all other	<>	<>	<>	
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	2,4-Didodecylbenzenesulfonic acid, ammonium salt	0)	(1)	<>	
	<i>Company not disclosed</i>				
	Diethanolamine condensate, all other	0)	<>	(1)	
	<i>Arizona Chemical Co.</i>				
	<i>Reilly Whiteman, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	Diethanolamine condensates (Amine/acid = 2/1), all other	147	111	237	\$ 2.14
	<i>Henkel Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Diethanolamine condensates, amine/acid ratio =1/1, all other	(1)	<>		
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	Diethylene glycol esters, all other	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	N,N-di(hydroxyethyl)-n-carboxymethyl tallow ammonium quat,inner salt	(1)	<>	(1)	
	<i>Sherex Chemical Co., Inc.</i>				
	Dodecylbenzenesulfonic acid, monoethanolamine condensate	<>	<>	(1)	
	<i>Company not disclosed</i>				
	Ethanolamine condensates, amine/acid ratio = 1/1, all other	(1)	(1)	<>	
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	Ethanolamine condensates, amine/acid ratio = 2/1, all other	(1)	<>	<>	
	<i>Henkel Corp.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	Ethers and thioethers, all other	4,179	4,575	7,599	1.66
	<i>Calgene Chemical Corp.</i>				
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>Lonza, Inc.</i>				
	<i>Olin Corp. (ii, iii, viii, ix, xii, xiv, xvi)</i>				
	<i>Piedmont Chemical Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Ethoxylated anhydrosorbitol esters, all other	<>	<>	<>	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Lonza, Inc.</i>				
	Ethylene glycol esters, all other	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>ISP Van Dyk, Inc.</i>				
	Glycerol esters of chemically defined acids, all other	(1)	(1)	(1)	
	<i>C.P. Hall Co.</i>				
	<i>Henkel Corp.</i>				
	<i>Lonza, Inc.</i>				
	Glycerol esters of mixed acids, all other	3,393	3,313	4,861	\$ 1.47
	<i>American Ingredients Co.</i>				
	<i>Calgene Chemical Corp.</i>				
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	<i>Ethos Chemicals, Inc.</i>				
	<i>Lonza, Inc.</i>				
	<i>West Point Pepperell, Inc., Grifftex Chem. Co.</i>				
	Hydrogenated castor oil, ethoxylated		(¹)	(¹)	
	<i>Ethos Chemicals, Inc.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Karlshamns, USA</i>				
	PPG Industries, Inc.				
	Hydrogenated tallow acids, ethanolamine condensate (Ratio = 2/1)	(1)	(1)	(1)	
	<i>West Point Pepperell, Inc., Grifftex Chem. Co.</i>				
	Hydrogenated tallow amides, ethoxylated		(1)	(1)	
	<i>Piedmont Chemical Industries, Inc.</i>				
	Isonoic acid, mono- and triethanolamine salt	(¹)	(¹)	(1)	
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Isopropanolamine condensates, all other	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Lard oil acids, diethanolamine condensate	(1)	(1)	(1)	
	<i>Ferro Corp., Keil Chemical Div.</i>				
	Lard oil acids, diethanolamine condensate (Ratio = 1/1)	(1)		(1)	
	<i>Ferro Corp., Keil Chemical Div.</i>				
	Lauric acid, alkanolamine condensate	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	<i>Heterene Chemical Corp.</i>				
	<i>Mona Industries, Inc.</i>				
	Lauric acid, diethanolamine condensate (Ratio = 1/1)	599	626	1,718	2.74
	<i>Gillette Chemical Co.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	Lauric acid, diethanolamine condensate (Ratio = 2/1)	(¹)	(¹)		
	<i>Croda, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	Lauric acid, ethanolamine condensate (Ratio = 1/1)	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Lauric and myristic acid, diethanolamine condensate (Ratio = 1/1)	632	845	1,969	2.33

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Heterene Chemical Corp.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Lauric and myristic acids, alkanolamine condensate	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Lauric and myristic acids, diethanolamine condensate (Ratio = 2/1)	25	24	75	\$ 3.15
	<i>Croda, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Lauric and myristic acids, ethanolamine condensate (Ratio = 1/1)	(1)	(1)	(1)	
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Stepan Co.</i>				
	Linoleic acid, diethanolamine condensate (Ratio = 1/1)		(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Linoleic acid, diethanolamine condensate (Ratio = 2/1)	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	Linoleic acid dimers, alkoxyated	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Mixed carboxylic acids, diethanolamine condensate	(1)	(1)	(1)	
	<i>SSC Industries, Inc.</i>				
	Mixed carboxylic acids, diethanolamine condensate	(1)	(1)	(1)	
	<i>SSC Industries, Inc.</i>				
	<i>Witco Corp.</i>				
	Mixed fatty acids, diethanolamine condensate	(1)	(1)	(1)	
	<i>Witco Corp.</i>				
	Mixed fatty acids, diethanolamine condensate (Ratio = 1/1)	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	<i>Witco Corp.</i>				
	Mixed linear alcohols, alkoxyated	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Mixed linear alcohols, alkoxyated, all other	(1)		(1)	
	<i>Company not disclosed</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Mixed linear alcohols, ethoxyated	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>Calgene Chemical Corp.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Exxon Chemical Americas</i>				
	<i>High Point Chemical Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Stepan Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Witco Corp.</i>				
	Mixed linear alcohols, ethoxylated and propoxylated	14,581	12,553	23,057	\$ 1.84
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Ethox Chemicals, Inc.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Harcros Chemicals, Inc.</i>				
	<i>Henkel Corp.</i>				
	<i>Karlshamns, USA</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>Olin Corp. viii, ix, xii, xiv, xv)</i>				
	<i>PPG Industries, Inc.</i>				
	<i>Pelron Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Sandoz Chemicals Corp. (Martin Plant)</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Stepan Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Witco Corp.</i>				
	Myristic acid, diethanolamine condensate (Ratio = 1/1)	()	()	()	
	<i>Mona Industries, Inc.</i>				
	Myristyl alcohol, propoxylated	()	()	()	
	<i>Witco Corp.</i>				
	Nonionic surface-active agents, all other	3,518	2,662	12,699	4.77
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Burlington Industries</i>				
	<i>C.P. Hall Co.</i>				
	<i>Calgene Chemical Corp.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Henkel Corp.</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>Lonza, Inc.</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Piedmont Chemical Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	Nonylphenol, ethoxylated, coconut oil esters		()	()	
	<i>Reilly Whiteman, Inc.</i>				
	Oleic acid, diethanolamine condensate (Ratio = 1/1)	()	()	(1)	
	<i>Hickson Danchem Corporation</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	Oleic acid, diethanolamine condensate (Ratio = 2/1)	90	104	220	2.11
	<i>E.F. Houghton & Co.</i>				
	<i>Leatex Chemical Co.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Witco Corp.</i>				
	Oleic acid, isopropanolamine condensate <i>Unichema North America</i> <i>Witco Corp.</i>		(1)	(1)	
	Palm kernel oil acids, diethanolamine condensate (Ratio=1/1) <i>Harcros Chemicals, Inc.</i> <i>Karlshamns, USA</i>	(1)	(1)	(1)	
	N,N,N',N',N'-Pentamethyl-N-(tallow alkyl) trimethylene-bisammonium chloride] <i>Akzo Chemicals, Inc.</i> <i>Enenco, Inc.</i> <i>Jetco Chemicals, Inc.</i> <i>Sherex Chemical Co., Inc.</i> <i>Witco Corp.</i>	(1)		(1)	
	Phenol, ethoxylated <i>Company not disclosed</i> <i>Henkel Corp.</i> <i>ICI Americas, Inc., Specialty Chemicals Div.</i> <i>Milliken & Co., Milliken Chemical Div.</i> PPG Industries, Inc. <i>Rhone Poulenc, Inc.</i>	429		(1)	
	Poly(epichlorhydrin <i>Company not disclosed</i>		(1)	(1)	
	Polyethylene glycol esters of chemically defined acids, all other <i>Akzo Chemicals, Inc.</i> <i>C.N.C. International, Inc.</i> <i>Calgene Chemical Corp.</i> <i>Ethox Chemicals, Inc.</i> <i>Hilton Davis Company</i> <i>Hoechst Celanese Corp., Sou Tex Works</i>	186	172	219	\$ 1.27
	Polyethylene glycol esters of mixed acids, all other <i>Company not disclosed</i> <i>Company not disclosed</i> <i>E.F. Houghton & Co.</i> <i>Ethox Chemicals, Inc.</i> <i>Henkel Corp.</i> <i>High Point Chemical Corp.</i> <i>Leatex Chemical Co.</i> <i>Lonza, Inc.</i> <i>Witco Corp.</i>	2,775	2,644	2,978	1.13
	Polyethylene glycol monopelargonate <i>Ethox Chemicals, Inc.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>Milliken & Co., Milliken Chemical Div.</i> <i>SSC Industries, Inc.</i>	964	(1)	(1)	
	Polyethylene glycol monoricinoleate <i>Sandoz Chemicals Corp. (Mt. Holly)</i>	(1)	(1)	(1)	
	Polyethylene glycol monostearate <i>C.N. C. International, Inc.</i> <i>Calgene Chemical Corp.</i> <i>Company not disclosed</i> <i>Dexter Chemical Corp.</i> <i>Ethox Chemicals, Inc.</i> <i>Grant Industries, Inc.</i> <i>Gresco, Mfg., Inc.</i>	3,850	2,893	5,229	1.81

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021350 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Hilton Davis Company				
	Hoechst Celanese Corp., Sou Tex Works				
	ICI Americas, Inc., Specialty Chemicals Div.				
	ISP Van Dyk, Inc.				
	Karlshamns, USA				
	Lonza, Inc.				
	Omega Chemicals, Inc.				
	PPG Industries, Inc.				
	Reilly Whiteman, Inc.				
	Rhone Poulenc, Inc.				
	Stepan Co.				
	Virkler Co.				
	Polyglycerol esters, all other	(1)	(1)	(1)	
	Calgene Chemical Corp.				
	Company not disclosed				
	Lonza, Inc.				
	Poly(oxy-1,2-ethanediy1), -phenylmethyl-	(1)	(1)	(1)	
	Piedmont Chemical Industries, Inc.				
	Propanediol esters, all other	68	(1)	(1)	
	Henkel Corp.				
	Karlshamns, USA				
	Milliken & Co., Milliken Chemical Div.				
	Rapeseed acids, diethanolamine condensate (Ratio = 1/1)	(1)		(1)	
	E.F. Houghton & Co.				
	Soybean oil acids, diethanolamine condensate (Ratio = 1/1)	(1)	(1)	(1)	
	Mona Industries, Inc.				
	Rhone Poulenc, Inc.				
	Scher Chemicals, Inc.				
	Stearic acid aminoethanolamine (amine acid ratio = 1.0/1.65)	(1)	(1)	(1)	
	C. H. Patrick & Co., Inc.				
	Stearic acid-N. aminoethyl ethanolamine condensate	(1)	(1)	(1)	
	Boehme Filatex., Inc.				
	Stearic acid, diethanolamine condensate (Ratio = 1/1)	105	99	114	S 1.16
	Eastern Color & Chemical Co.				
	Ethox Chemicals, Inc.				
	Exxon Chemical Americas				
	Marlowe Van Loan Corp.				
	Stearic acid, diethanolamine condensate (Ratio = 2/1)	(1)	(1)	(1)	
	Lonza, Inc.				
	Omega Chemicals, Inc.				
	Rhone Poulenc, Inc.				
	Stearic acid, ethanolamine condensate (Ratio = 1/1)	(1)	(1)	(1)	
	Eastern Color & Chemical Co.				
	Lonza, Inc.				
	Mona Industries, Inc.				
	Stearic acid-ethylenediamine condensate amine/acid ratio = 1/2	(1)	(1)	(1)	
	Westvaco Corp.				
	Stearic acid monoethanolamine condensate	(1)	(1)	(1)	
	ISP Van Dyk, Inc.				
	Witco Corp.				
	Tall oil acids, diethanolamine condensate	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021360 — Continued					
Chemical description/Manufacturer—Continued					
	Company not disclosed				
	E.F. Houghton & Co.				
	Witco Corp.				
	Tall oil acids, diethanolamine condensate (Ratio = 2/1)	725	326	526	\$ 1.61
	Burlington Industries				
	Eastern Color & Chemical Co.				
	Mona Industries, Inc.				
	PPG Industries, Inc.				
	Scher Chemicals, Inc.				
	Westvaco Corp.				
	Tall oil acids-dimethylamine condensate (Amine acid ratio = 1/1)	(1)	(1)	(1)	
	Buckman Laboratories, Inc.				
	Tall oil fatty acids, ethanolamine condensate (Ratio = 1/2)	(1)	(1)	(1)	
	E.F. Houghton & Co.				
	Tall oil fatty acids, ethanolamine condensate (Ratio = 1.5/1)	(1)	(1)	(1)	
	E.F. Houghton & Co.				
	Tall oil fatty acids, ethanolamine condensate (Ratio = 2.7/1)	(1)	(1)	(1)	
	E.F. Houghton & Co.				
	Tall oil fatty acids triethanolamine condensate	(1)	(1)	(1)	
	Company not disclosed				
	Tallow acids, diethanolamine condensate	(1)	(1)	(1)	
	Mona Industries, Inc.				
	Tallow acids, diethanolamine condensate (Ratio = 2/1)	(1)	(1)	(1)	
	IC/Americas, Inc., Specialty Chemicals Div.				
	Mona Industries, Inc.				
	Tallow acids, ethanolamine condensate (Ratio = 1.00/1.65)	(1)	(1)	(1)	
	Yorkshire Pat Chem, Inc.				
	Tallow, n-3-(dimethylamino)propyl^ (amine/acid ratio = 1/3)	(1)	(1)	(1)	
	Yorkshire Pat Chem, Inc.				
	Residual Total	331,571	315,553	352,862	1.12
340219	Surface-active agents, nesi	(1)	(1)	(1)	
34021910	Aromatic or modified aromatic organic surface-active agents (other than soap) other than anionic, cationic or nonionic	(1)	(1)	(1)	
	Cyclic amphoteric surface-active agents, all other	(1)	(1)	(1)	
	Lonza, Inc.				
	Scher Chemicals, Inc.				
	Polypropylene glycol, alkoxylated, polymer with maleic anhydride, acrylic acid, and alkylphenol-formaldehyde resin, alkoxylated	(1)	(1)	(1)	
	Company not disclosed				
	Polypropylene glycol glycerol triether, copolymer with epichlorohydrin bisphenol epoxy resin	(1)	(1)	(1)	
	Company not disclosed				
	Residual Total	(1)	(1)	(1)	
34021950	Nonaromatic organic surface-active agents (other than soap) nesi	13,987	12,435	35,149	2.83
	Acyclic amphoteric surface-active agents, all other	2,036	1,483	4,435	2.99
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021950 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Exxon Chemical Americas</i>				
	<i>Henkel Corp.</i>				
	<i>Hercules, Inc.</i>				
	<i>Lonza, Inc.</i>				
	<i>Mona Industries, Inc.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Witco Corp.</i>				
	1-Carboxyethyl-1-(2-hydroxyethyl)-2-heptyl-2-imidazolium hydroxide, sodium derivative, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	N-(2-(Carboxymethylamino)ethyl)-N-(2-hydroxyethyl)-coconut oil amide, sodium salt	(1)	(1)	(1)	
	<i>Ethox Chemicals, Inc.</i>				
	<i>Witco Corp.</i>				
	(Carboxymethyl)[3-(coconut oil amido)propyl]dimethylammonium hydroxide, inner salt	5,355	4,592	11,312	\$ 2.46
	<i>Company not disclosed</i>				
	<i>Henkel Corp.</i>				
	<i>Inolex Chemical Co.</i>				
	<i>Lonza, Inc.</i>				
	PPG Industries, Inc.				
	<i>Rhone Poulenc, Inc.</i>				
	<i>Scher Chemicals, Inc.</i>				
	<i>Sherex Chemical Co., Inc.</i>				
	<i>Witco Corp.</i>				
	1-Carboxymethyl-2-heptadecyl-1-12-hydroxyethyl)-2-imidazolium hydroxide, sodium derivative, sodium salt	(1)	(1)	(1)	
	<i>Henkel Corp.</i>				
	<i>Rhone Poulenc, Inc.</i>				
	1-Carboxymethyl-1-(2-hydroxyethyl)-2-heptyl-2-imidazolium hydroxide, sodium derivative, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	1-Carboxymethyl-1-(2-hydroxyethyl)-2-nonyl-2-imidazolium hydroxide, sodium derivative, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	1-Carboxymethyl-1-(2-hydroxyethyl)-2-undecyl-2-imidazolium hydroxide, sodium derivative, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	1-Carboxymethyl-1-(2-hydroxyethyl)-2-undecyl-2-imidazolium hydroxide, sodium derivative, sodium salt	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Cocoamidoamphoglycinate	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	Cocoamidopropyl betaine	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	N-Cocoamido-propyl-N,N-dimethylamine oxide	(1)	(1)	(1)	
	<i>Mona Industries, Inc.</i>				
	3-(3-(Cocoamidopropyl)dimethylammonio]-2-hydroxypropane sulfonate	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	3-Cocoamidopropyl-1-2-hydroxy-3-sulfopropyl dimethyl ammonium hydroxide, inner salt	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 34021960 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Sherex Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Cocoamphocarboxyglycinate <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	Cocoamphocarboxypropionate <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	Cocoamphopropionate <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	3-[(Coconut oil alkylamidoethylene-(2-hydroxyethyl)amino)propionic acid <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	NI(Coconut oil alkylamino)butyric acid <i>Akzo Chemicals, Inc.</i>	(1)	(1)	(1)	
	N,N-Dihydroxyethyl tallow glycinate <i>Mona Industries, Inc.</i>	(1)	(1)	(1)	
	Glycerol, alkoxyated, toluene diisocyanate copolymer <i>Company not disclosed</i>	(1)	(1)	(1)	
	1-Hydroxyethyl-1-(2-hydroxy-3-sodiumsulfonatopropyl)-2-nor-coconut oil fatty acids-2-imidazolium hydroxide <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	(Mixed alkyl)Isulfobetaine <i>Lonza, Inc.</i> <i>Mona Industries, Inc.</i> <i>Scher Chemicals, Inc.</i> <i>Witco Corp.</i>	(1)	(1)	(1)	
	N-(Tallow alkyl)-3-iminodipropionic acid, disodium salt <i>Henkel Corp.</i> <i>Mona Industries, Inc.</i> <i>Rhone Poulenc, Inc.</i>	(1)	(1)	(1)	
	Residual Total	6,596	6,360	19,201	\$ 3.02
3403	Lubricating preparations (including cutting-oil preparations, bolt or nut release preparations, antirust or anticorrosion preparations and mold release preparations, based on lubricants) and preparations of a kind used for the treatment of textile materials, leather, furskins or other materials, but excluding preparations containing, as basic constituents, 70 percent or more by weight	(1)	(1)	(1)	
340319	Preparations, nesic, containing petroleum oils or oils obtained from bituminous minerals	(1)	(1)	(1)	
	Poly- α -olefins <i>Chevron Corp., Chevron Chemical Co.</i> <i>Ethyl Corp.</i> <i>Mobil Oil Corp., Chemical Products Div.</i>	(1)	(1)	(1)	
	Poly- α -olefins, sulfurized <i>Mobil Oil Corp., Chemical Products Div.</i>	(1)	(1)	(1)	
	Residual Total		(1)	(1)	
35	Albuminoidal substances; modified starches; glues; enzymes	(1)	(1)		
3504	Peptones and their derivatives; other protein substances and their derivatives, not elsewhere specified or included; hide powder, whether or not chromed	(1)	(1)	(1)	
350400	Peptones and their derivatives; other protein substances and their derivatives, nesic; hide powder, whether or not chromed	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
35040050	Peptones and their derivatives; protein substances and their derivatives, nes; hide powder	(1)	(1)	(1)	
	Deferoxamine mesylate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
3505	Dextrins and other modified starches (for example, pregelatinized or esterified starches); glues based on starches, or on dextrins or other modified starches	(1)	(1)	(1)	
350510	Dextrins and other modified starches	(1)	(1)	(1)	
35051000	Dextrins and other modified starches	(1)	(1)	(1)	
	Sodium carboxymethyl starch	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
3507	Enzymes; prepared enzymes not elsewhere specified or included	(1)	(1)	(1)	
350710	Rennet and concentrates thereof	(1)	(1)	(1)	
35071000	Rennet and concentrates thereof	(1)	(1)	(1)	
	Rennin	(1)	(1)	(1)	
	<i>Pfizer, Inc.</i>				
	Residual Total	(1)		(1)	
350790	Enzymes; prepared enzymes nes, excluding rennet and concentrates thereof	(1)	(1)	(1)	
35079000	Enzymes; prepared enzymes nes, excluding rennet and concentrates thereof	(1)	(1)	(1)	
	a-Amylase (pancreatic)	(1)	(1)	(1)	
	<i>Genencor International, Inc.</i>				
	Amylases, all other	(1)	(1)	(1)	
	<i>IBIS Limited Partnership</i>				
	Bacterial amylase	(1)	(1)	(1)	
	<i>IBIS Limited Partnership</i>				
	<i>Novo Nordisk Biochem, Inc.</i>				
	<i>PMP Fermentation Products, Inc.</i>				
	Cellulase	(1)	(1)	(1)	
	<i>Genencor International, Inc.</i>				
	Cholesterol oxidase	(1)	(1)	(1)	
	<i>Beckman Instruments, Inc., Diagnostics Systems Group</i>				
	Glucoamylase	(1)	(1)	(1)	
	<i>Genencor International, Inc.</i>				
	<i>IBIS Limited Partnership</i>				
	<i>Novo Nordisk Biochem, Inc.</i>				
	Glucose isomerase	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Glucose oxidase	(1)	(1)	(1)	
	<i>Beckman Instruments, Inc., Diagnostics Systems Group</i>				
	Glycerol kinase	(1)	(1)	(1)	
	<i>Beckman Instruments, Inc., Diagnostics Systems Group</i>				
	Hydrolytic enzyme mixtures	(1)	(1)	(1)	
	<i>George A. Jeffreys & Co., Inc.</i>				
	Other hydrolytic enzymes	(1)	(1)	(1)	
	<i>Beckman Instruments, Inc., Diagnostics Systems Group</i>				
	<i>Company not disclosed</i>				
	<i>IBIS Limited Partnership</i>				
	Pectinase	(1)	(1)	(1)	
	<i>IBIS Limited Partnership</i>				
	Protease (bacterial)	(1)	(1)	(1)	
	<i>Genencor International, Inc.</i>				
	Proteases, all other	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 - Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 35079000 -Continued					
<i>Chemical description/Manufacturer-Continued</i>					
	IBIS Limited Partnership				
	PMP Fermentation Products, Inc. Scientific Protein Laboratories				
	Urease	(i)	(1)	(1)	
	Beckman Instruments, Inc., Diagnostics Systems Group				
	Uricase	(1)	(1)	(1)	
	Beckman Instruments, Inc., Diagnostics Systems Group				
	Residual Total	(1)	(1)	(1)	
360790XX	HTS Level Residual Total	(1)	(1)	(1)	
38	Miscellaneous chemical products	(1)	(1)	(1)	
3805	Gum, wood or sulfate turpentine and other terpenic oils produced by the distillation or other treatment of coniferous woods; crude dipentene; sulfite turpentine and other crude para-cymene; pine of c ontaining alpha-terpineol as the main constituent				
		2,098	1,905	1,307	S 0.69
380590	Terpenic oils, nesi, produced by treatment of coniferous woods; crude dipentene; sulfite turpentine and other crude para-cymene	2,098	1,905	1,307	0.69
38069000	Terpenic ors, nesi, produced by treatment of coniferous woods; crude dipentene; sulfite turpentine and other crude para-cymene	2,098	1,905	1,307	0.69
	Pine oil, natural, sulfate	2,098	1,905	1,307	0.69
	Arizona Chemical Co.				
	SCM Corp., Glidco Organics				
	Union Camp Corp.				
3806	Rosin and resin acids, and derivatives thereof; rosin spirit and rosin oils; run gums	(1)	(1)	(1)	
380610	Rosin	117,458	109,256	63,596	0.58
38061000	Rosin	117,458	109,256	63,596	0.58
	Modified rosin (unesterified)	117,458	109,256	63,596	0.58
	Arizona Chemical Co.				
	C. J. Osborn, Chemicals, Inc.				
	Guardzman Products, Inc.				
	Hercules, Inc.				
	Union Camp Corp., Chemical Div.				
	Westvaco Corp.				
380620	Salts of rosin or of resin acids	(1)	(1)	(1)	
38062000	Salts of rosin or of resin acids	(1)	(1)	PI	
	Calcium resinate	(1)	(1)	(1)	
	Arizona Chemical Co.				
	Calcium zinc resinate	(1)	(1)	(1)	
	Arizona Chemical Co.				
	Rosin acid salts, all other	(1)	0/	(1)	
	Georgia Pacific Corp., Resins Inc.				
	Westvaco Corp.				
	Stannous dioctyl tallate	(1)	(1)	(1)	
	Elf Atochem North America, Inc.				
	Zinc resinate	(1)	(1)	(1)	
	Arizona Chemical Co.				
	Residual Total	(1)	(1)	(1)	
380620XX	HTS Level Residual Total	(1)	(1)	(1)	
380630	Ester gums	139,495	139,084	149,329	1.07
38063000	Ester gums	139,495	139,084	149,329	1.07
	Modified rosin esters	103,135	102,151	130,251	1.28
	Akzo Coatings, Inc.				
	Arizona Chemical Co.				
	BASF Corp (Parsippany, NJ)				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38063000 —Continued					
Chemical description/Manufacturer—Continued					
	<i>Company not disclosed</i> <i>Georgia Pacific Corp., Resins Inc.</i> <i>Guardsman Products, Inc.</i> <i>Hercules, Inc.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>Lawter International, Inc.</i> <i>Union Camp Corp., Chemical Div.</i> <i>Westvaco Corp.</i>				
	Rosin esters, unmodified (Ester gums)	36,359	36,934	19,078	\$ 0.52
	<i>Akzo Coatings, Inc.</i> <i>Arizona Chemical Co.</i> <i>Hercules, Inc.</i> <i>Union Camp Corp., Chemical Div.</i>				
380690	Resin acids, derivatives of resin acids and rosin, rosin spirit and rosin oils, run gums, nesi	(1)	(1)	(1)	
38069000	Resin acids, derivatives of resin acids and rosin, rosin spirit and rosin oils, run gums, nesi	(1)	(1)	(1)	
	Rosin amines	(1)	(1)	(1)	
	<i>Hercules, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
3808	Insecticides, rodenticides, fungicides, herbicides, antisprouting products and plantgrowth regulators, disinfectants and similar products, put up in forms or packings for retail sale or as preparation s or articles (for example, sulfur -treated bands, wicks and candles, and flypapers)	(1)	(1)	(1)	
380820	Fungicides, put up for retail sale or as preparations or articles	(1)	(1)	(1)	
38082050	Fungicides nesi, put up in forms or packing for retail sale or as preparations or articles	(1)	(1)	(1)	
	Acyclic fungicides, all other	(1)	(1)	(1)	
	<i>Buckman Laboratories, Inc.</i> <i>Merck & Co., Inc.</i>				
	Residual Total	(1)	(1)	(1)	
380890	Rodenticides, put up for retail sale or as preparations or articles	(1)	(1)	(1)	
38089010	Pesticides, nesi, containing any aromatic or modified aromatic pesticides	(1)	(1)	(1)	
	Insect attractants, all other	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
3808XX	HTS Level Residual Total	(1)	(1)	(1)	
3809	Finishing agents, dye carriers to accelerate the dyeing or fixing of dyestuffs and other products and preparations (for example, dressings and mordants), of a kind used in the textile, paper, leather or like industries, not elsewhere specified or included	39,363	28,419	59,354	2.09
380991	Finishing agents, dye carriers and like products used in dyeing or fixing of dystuffs, etc., nesi, used in the textile industry	17,661	(1)	(1)	
38099100	Finishing agents, dye carriers and like products, nesi, used in the textile industry	17,661	(1)	(1)	
	Alkylphenol/formaldehyde polymer	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	N,N-bis-(2-Hydroxyethyl)octadecanamide	(1)	(1)	(1)	
	<i>C.N.C. International, Inc.</i>				
	N,N-Dibenzylhydroxylamine	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38099100 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>C.N.C. International, Inc.</i>				
	Dicyanodiamide formaldehyde ammonium chloride polymer	(1)	(1)	(1)	
	<i>C.N.C. International, Inc.</i>				
	<i>Hickson Danchem Corporation</i>				
	Dimethyloldihydroxyethylene urea	4,682	4,184	8,002	\$ 1.91
	<i>C. H. Patrick & Co., Inc.</i>				
	<i>Cytec Industries</i>				
	<i>Hickson Danchem Corporation</i>				
	<i>Synthron, Inc.</i>				
	Hydrogenated tallow fatty acid aminoethylethanolamine condensation products	(1)	(1)	(1)	
	<i>C.N.C. International, Inc.</i>				
	Melamine formaldehyde methanol polymer ,	(1)	(1)	(1)	
	<i>C.N. C. International, Inc.</i>				
	<i>Cytec Industries</i>				
	Melamine stearyl alcohol polymer	(1)	(1)	(1)	
	<i>Synthron, Inc.</i>				
	Propoxylated starches	(1)	(1)	(1)	
	<i>Synthron, Inc.</i>				
	2,2',4,4'-Tetrahydroxybenzophenone	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	Textile chemicals, other than surface active agents, all other	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>C. H. Patrick & Co., Inc.</i>				
	<i>C.N. C. International, Inc.</i>				
	<i>E.L. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Exxon Chemical Americas</i>				
	Tri(behenoyloxymethyl)trimethoxymethylmelamine	(1)	(1)	(1)	
	<i>Synthron, Inc.</i>				
	Urea polymers with formaldehyde and methanol	(1)	(1)	(1)	
	<i>C.N.C. International, Inc.</i>				
	<i>Cytec Industries</i>				
	Residual Total	12,980		(1)	
380999	Finishing agents, dye carriers and like products used in dyeing or fixing of dystuffs, etc., and preparations for industries, nesi	21,701	(1)	(1)	
38099910	Finishing agents, dye carriers and other preparations used in other industries, nesi, more than 5% by weight aromatic (or mod.) substance(s)	(1)	(1)	(1)	
	Lauryl alkyl dimethylamine acetate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Lauryl alkyl dimethylamine phosphate	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	1-Naphthalenesulfonic acid,formaldehyde condensate and salt	(1)	(1)	(1)	
	<i>Rohm & Haas Co.</i>				
	2-Naphthalenesulfonic acid, formaldehyde condensate and salt		(1)	(1)	
	<i>W R Grace & Co., Organic Chem. Div., Hampshire Chemicals</i>				
	1-Phenol-2-sulfonic acid,formaldehyde condensate (Phenol-formaldehyde,sulfonated)	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>Rohm & Haas Co.</i>				
	Tanning materials, synthetic, all other	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	<i>Henkel Corp.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38099910 —Continued					
	Residual Total	(1)	(1)	(1)	
38099950	Finishing agents, dye carriers and other preparations used in other industries, nesi, less than 5% by weight aromatic (or mod.) substance(s)	(1)	(1)	(1)	
	Polyoxyalkylated cyclic amines <i>Milliken & Co., Milliken Chemical Div.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
380999XX	HTS Level Residual Total	21,701	(1)	(1)	
3811	Antiknock preparations, oxidation inhibitors, gum inhibitors, viscosity improvers, anti-corrosive preparations and other prepared additives, for mineral oils (including gasoline) or for other liquids used for the same purposes as mineral oils	(1)	(1)	(1)	
381119	Antiknock preparations based on other than lead compounds	104,815	88,718	192,982	\$ 2.18
38111900	Antiknock preparations based on other than lead compounds	104,815	88,718	192,982	2.18
	Gasoline additives, acyclic, all other <i>AMOCO Corp.</i> <i>Chevron Corp., Chevron Chemical Co.</i> <i>Coastal Refining & Marketing, Inc.</i> <i>Company not disclosed</i> <i>Ethyl Corp.</i> <i>Mobil Oil Corp., Chemical Products Div.</i> <i>UOP, Inc.</i>	104,358	88,377	190,227	2.15
	Gasoline additives, cyclic, all other <i>Mobil Oil Corp., Chemical Products Div.</i> <i>UOP, Inc.</i> <i>Vanderbilt Chemical Corp. (Murray, KY)</i>	458	342	2,755	8.06
381121	Additives for lubricating oil containing petroleum oils or oils obtained from bituminous minerals	(1)	(1)	(1)	
38112100	Additives for lubricating oils containing petroleum oils or oils obtained from bituminous minerals	(1)	(1)	(1)	
	Lubricating oil and grease additives, acyclic, all other <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Dow Corning Corp.</i> <i>El. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i> <i>Ethyl Corp.</i> <i>Ferro Corp., Kell Chemical Div.</i> <i>Henkel Corp.</i> <i>Mobil Oil Corp., Chemical Products Div.</i> <i>Quaker Chemical Corp.</i> <i>Salsbury Chemicals, Inc.</i> <i>Texaco Chemical Co.</i>	132,611	139,701	251,179	1.80
	Lubricating oil and grease additives, cyclic, all other <i>Ciba Geigy Corp.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Ethyl Corp.</i> <i>Exxon Chemical Americas</i> <i>Mobil Oil Corp., Chemical Products Div.</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38112700 —Continued					
	Residual Total	(1)	(1)	(1)	
381190	Prepared additives for mineral oils (incl. gasoline) or other liquids used for the same purposes as mineral oils, nesi	46,075	27,693	65,663	\$ 2.37
38119000	Prepared additives for mineral oils (incl. gasoline) or other liquids used for the same purposes as mineral oils, nesi	46,075	27,693	65,663	2.37
	N,N' -Di-sec. butyl-p-phenylenediamine <i>Ethyl Corp.</i> <i>UOP, Inc.</i>	(1)	(1)	(1)	
	Diesel fuel additives, acyclic, all other <i>Ethyl Corp.</i>	(1)	(1)	(1)	
	Diesel fuel additives, cyclic, all other <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>Mobil Oil Corp., Chemical Products Div.</i>	(1)	(1)	(1)	
	N,N' -Disalicylidene-1,2-propanediamine <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>Ethyl Corp.</i> <i>Ferro Corp., Keil Chemical Div.</i>	(1)	(1)	(1)	
	Fuel additives, acyclic, all other <i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i> <i>Morton International, Inc., Morton Chemical Div.</i> <i>Parish Chemical Co.</i> <i>UOP, Inc.</i>	(1)	(1)	(1)	
	Fuel additives, cyclic, all other <i>Ethyl Corp.</i>	(1)	(1)	(1)	
	Rust preventing additives <i>Alox Corp.</i>	(1)	(1)	(1)	
	Residual Total	46,075	27,693	65,663	2.37
3812	Prepared rubber accelerators; compound plasticizers for rubber or plastics, not elsewhere specified or included; antioxidant preparations and other compound stabilizers for rubber or plastics	(1)	(1)	(1)	
381210	Prepared rubber accelerators	(1)	(1)	(1)	
38121010	Prepared rubber accelerators containing any aromatic or modified aromatic rubber accelerator nesi	(1)	(1)	(1)	
	Accelerators, activators, and vulcanizing agents, cyclic, other <i>EL Dupont de Nemours & Co., Inc., Polymer Products</i>	(1)	(1)	(1)	
	Bisphenol, hindered <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Diarylenediamines, mixed <i>Goodyear Tire & Rubber Co.</i>	(1)	(1)	(1)	
	Heptaldehyde-aniline condensate <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Piperidinecarbodithioic acid, piperidinium potassium salts, mixed <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
38121050	Prepared rubber accelerators not containing any aromatic or modified aromatic rubber accelerator nesi	(1)	230	3,038	13.18
	Accelerators, activators, and vulcanizing agents, acyclic, other <i>Company not disclosed</i> <i>Et Dupont de Nemours & Co., Inc., Polymer Products</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38121050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Aldehyde and acetone-amine reaction products, cyclic, other <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Aldehyde-amine reaction products, cyclic, other <i>El. Dupont de Nemours & Co., Inc., Polymer Products</i> <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Dialkyldithiocarbamic acid derivative <i>Company not disclosed</i>	(1)	(1)	(1)	
	Diethyldithiocarbamic acid, cadmium salt and bis (diethylthiocarbamoyl)disulfide, mixture <i>Company not disclosed</i>	(1)	(1)	(1)	
	Residual Total	(1)	230	3,038	\$ 13.18
381210XX	HTS Level Residual Total	(1)	(1)	(1)	
381220	Compound plasticizers for rubber or plastics	(1)	(1)	(1)	
38122010	Compound plasticizers for rubber or plastics containing any aromatic or modified aromatic plasticizer nesi	(1)	(1)	(1)	
	Diphenylamine-acetone aldehyde <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Diphenylamine-acetone condensate <i>B F Goodrich Co.</i> <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
381230	Antioxidizing preparations and other compound stabilizers for rubber or plastics	(1)	(1)	(1)	
38123040	Compound stabilizers for rubber or plastics containing any aromatic or modified aromatic antioxidant or other stabilizer, nesi	28,808	22,516	105,777	4.70
	Alkylaryl-p-phenylenediamines <i>Monsanto Co.</i>		(1)	(1)	
	Alkylaryl phosphites mixed <i>Ferro Corp., Bedford Chemical Div.</i> <i>General Electric Co., Speciality Chemical group</i>	(1)	(1)	(1)	
	Phenol, alkylated <i>B F Goodrich Co.</i> <i>Cytec Industries</i> <i>Goodyear Tire & Rubber Co.</i> <i>Neville Chemical Co.</i>	(1)	(1)	(1)	
	Phenol, hindered <i>Goodyear Tire & Rubber Co.</i> <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Phenolic antioxidants, all other <i>Uniroyal Chemical Co., Inc.</i>		(1)	(1)	
	Phenol, styrenated, mixtures <i>Neville Chemical Co.</i> <i>Uniroyal Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Rubber-processing chemicals, cyclic, all other <i>Ferro Corp., Bedford Chemical Div.</i>	(1)	(1)	(1)	
	Waxes and paraffinic products <i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>		(1)	(1)	
	Residual Total	28,808	22,516	105,777	4.70
38123050	Compound stabilizers for rubber or plastics not containing any aromatic or modified aromatic antioxidant or other stabilizer, nesi	(1)	(1)	(1)	
	Rubber-processing chemicals, acyclic, all other <i>Company not disclosed</i>	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
3813	Preparations and charges for fire extinguishers: charged fire-extinguishing grenades	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
381300	Preparations and charges for fire extinguishers; charged fire-extinguishing grenades	(1)	(1)	(1)	
38130050	Preparations and charges for fire-extinguishers; charged fire-extinguishing grenades; nesi	(1)	(1)	(1)	
	Trimethoxyboroxine	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	(1)	(1)	(1)	
3814	Organic composite solvents and thinners, not elsewhere specified or included; prepared paint or varnish removers	(1)	(1)	(1)	
381400	Organic composite solvents and thinners, not elsewhere specified or included; prepared paint or varnish removers	(1)	(1)	(1)	
38140050	Organic composite solvents and thinners, nesi; prepared paint or varnish removers; nesi	(1)	(1)	(1)	
	Polyglycols, ethylene glycol and glycol ether, mixed	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>	(1)	(1)	(1)	
	Propylene glycol, mixed ethers	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	Residual Total	(1)	(1)	(1)	
3815	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included	7,242	(1)	(1)	
381590	Reaction initiators, reaction accelerators and catalytic preparations except supported catalysts	7,242	(1)	(1)	
38159050	Reaction initiators, reaction accelerators and catalytic preparations, nesi	7,242	(1)	(1)	
	tert. Butyl peroxy-2-ethylhexanoate	(1)	1,608	9,701	6.03
	<i>Aztec Catalyst Co.</i>				
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	<i>Witco Corp.</i>				
	tert. Butyl peroxyisobutyrate	(1)	(1)	(1)	
	<i>Aztec Catalyst Co.</i>				
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	tert. Butyl peroxy-pivalate	1,279	1,296	11,605	8.96
	<i>Aztec Catalyst Co.</i>				
	<i>Elf Atochem North America, Inc., Fine Chem & Org. Div.</i>				
	<i>Witco Corp.</i>				
	N,N,N',N'-Tetramethyl-1,3-butanediamine	(1)	(1)	(1)	
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Triethylaluminum	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Tri-n-hexyl aluminum	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Triisobutylaluminum	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Zinc 2-ethylhexanoate	661	224	813	3.62
	<i>Akzo Chemicals, Inc.</i>				
	<i>Huls America, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	<i>Shepherd Chemical Co.</i>				
	<i>Troy Chemical Corp.</i>				
	<i>Vanderbilt Chemical Corp. (Bethel, CT)</i>				
	<i>Witco Corp.</i>				
	Residual Total	5,302	(1)	(1)	
3822	Composite diagnostic or laboratory reagents, other than those of heading 3002 or 3006	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

FITS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
382200	Composite diagnostic or laboratory reagents, other than those of heading 3002 or 3006	(¹)	(1)	(1)	
38220050	Biological stains	(1)	(1)	(1)	
	<i>Aldrich Chemical Co., Inc.</i>	(1)	(1)	(1)	
	Chemical indicators	(¹)	(1)	(1)	
	<i>Aldrich Chemical Co., Inc.</i>				
	<i>Eastman Kodak Co.</i>				
	<i>GFS Chemicals, Inc.</i>				
	<i>Vanderbilt Chemical Corp. (Murray, KY)</i>				
	Chemical reagents and fine chemicals	1,127	(1)	(¹)	
	<i>Aldrich Chemical Co., Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Eastman Kodak Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>GFS Chemicals, Inc.</i>				
	<i>Parish Chemical Co.</i>				
	<i>Pfanstiehl Laboratories, Inc.</i>				
	<i>Pharmacia P L Biochemicals, Inc.</i>				
	<i>Pierce Chemical Co.</i>				
	<i>R.S.A. Corp.</i>				
	<i>Regis Chemical Co.</i>				
	<i>UOP, Inc.</i>				
	Residual Total	(1)		(1)	
3823	Prepared binders for foundry molds or cores; chemical products and preparations of the chemical or allied industries (including those consisting of mixtures of natural products), not elsewhere specified or included; residual products of the chemical or allied industries, not elsewhere specified or included	6,116,786	3,524,669	1,556,792	\$ 0.44
382320	Naphthenic acids, their water-insoluble salts, and their esters, nesi	11,432	10,775	26,491	2.46
38232000	Naphthenic acids, their water-insoluble salts, and their esters	11,432	10,775	26,491	2.46
	Cadmium naphthenate	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	Calcium naphthenate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	<i>Troy Chemical Corp.</i>				
	Chromium naphthenate	(1)	(1)	(1)	
	<i>Mooney Chemicals, Inc.</i>				
	Cobalt naphthenate	(1)			
	<i>Huls America, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	<i>Shepherd Chemical Co.</i>				
	<i>Troy Chemical Corp.</i>				
	Iron naphthenate	(1)	(1)	(1)	
	<i>Huls America, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	Lead naphthenate	(1)	(1)	(1)	
	<i>Akzo Chemicals, Inc.</i>				
	<i>Huls America, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				
	Manganese naphthenate	(1)	(¹)	(1)	
	<i>Huls America, Inc.</i>				
	<i>Mooney Chemicals, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38232000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Shepherd Chemical Co.				
	Naphthenate driers, mixed salts		(1)	(1)	
	Mooney Chemicals, Inc.				
	Naphthenic acid, acid number 1 50-1 99	(1)	2,357	3,174	\$ 1.35
	CPS Chemical Co., Inc.				
	HEW, Inc.				
	Merichem Co.				
	Naphthenic acid, acid number 200-224	(1)	01	(1)	
	CPS Chemical Co., Inc.				
	Merichem Co.				
	Naphthenic acid, acid number less than 150	(1)	(1)	(1)	
	Shell Oil Co., Shell Chemical Co.				
	Rare earths naphthenate	(1)	(1)	(1)	
	Huls America, Inc.				
	Zinc naphthenate	(1)	(1)		
	Huls America, Inc.				
	Mooney Chemicals, Inc.				
	Troy Chemical Corp.				
	Residual Total	11,432	8,418	10,323	1.23
382390	Chemical products, preparations, or residuals of the chemical or allied industries, nesi	6,105,354	3,513,894	1,530,301	0.44
38239045	Mixtures nesi, that are in whole or in part of hydrocarbons derived in whole or in part from petroleum, shale or natural gas	4,903,713	2,663,959	650,579	0.24
	Carbon black feedstock	(1)	(1)	(1)	
	Exxon Chemical Americas				
	Hexenes, mixed	(1)	(1)		
	Exxon Chemical Americas				
	Hydrocarbons, c4, all other	96,851	67,019	12,440	0.19
	Ethyl Corp.				
	General Electric Co., Speciality Chemical group				
	Mobil Oil Corp., Gas Liquids Dept.				
	Texaco Chemical Co.				
	Hydrocarbons, C5, all other	649,547	(1)	(1)	
	Dow Chemical Co.				
	Exxon Chemical Americas				
	Oxy Petrochemicals, Inc.				
	Shell Oil Co., Shell Chemical Co.				
	Hydrocarbons, c6, all other	961,466	(1)	(1)	
	Diamond Shamrock Refining & Marketing				
	Ethyl Corp.				
	Mobil Oil Corp., Petrochemicals Div.				
	Phillips 66 Co.				
	Shell Oil Co., Shell Chemical Co.				
	Hydrocarbons, c7, all other	(1)	(1)	(1)	
	Eastman Kodak Co., Texas Eastman Co. Div				
	Phillips Puerto Rico Core, Inc.				
	Shell Oil Co., Shell Chemical Co.				
	Hydrocarbons, C9, all other	(1)	(1)	(1)	
	Shell Oil Co., Shell Chemical Co.				
	Texaco Chemical Co.				
	Hydrocarbons, C9 and above, all other, including mixtures	(1)	(1)	(1)	
	Chevron Corp., Chevron Chemical Co.				
	Ethyl Corp.				
	Exxon Chemical Americas				
	Phillips 66 Co.				
	Hydrocarbons, C2-C3 mixtures	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38239045 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Citgo Petroleum Corp.</i>				
	<i>Mobil Oil Corp., Gas Liquids Dept.</i>				
	Hydrocarbons, C _s -C ₄ mixtures <i>Phillips 66 Co.</i>	(1)	(1)	(1)	
	Hydrocarbons, C _s -C ₇ mixtures <i>Oxy Petrochemicals, Inc.</i>	(1)	(1)	(1)	
	Hydrocarbons, C ₄ fraction <i>Texaco Chemical Co.</i>	(1)	(1)	(1)	
	Hydrocarbons, C ₄ mixtures <i>Lyondell Petrochemical Co.</i> <i>Phibro Refining</i> <i>Phillips Puerto Rico Core, Inc.</i>	(1)	(1)	(1)	
	Hydrocarbons, C _s mixtures <i>Lyondell Petrochemical Co.</i>	(1)	(1)	(1)	
	Octanes, mixed <i>Exxon Chemical Americas</i>	(1)	(1)	(1)	
	n-Paraffins, other <i>Exxon Chemical Americas</i> <i>Phibro Refining</i> <i>Vista Chemical Co.</i>	493,702	(1)	(1)	
	n-Paraffins, C ₁₀ -C ₁₄ <i>Shell Oil Co., Shell Chemical Co.</i>	(1)	(1)	(1)	
	n-Paraffins, C ₁₂ -C ₁₉ <i>Vista Chemical Co.</i>	(1)	(1)	(1)	
	n-Paraffins, C _s -C ₁₃ <i>Exxon Chemical Americas</i>		(1)	(1)	
	n-Paraffins, C _s -C _s <i>Phibro Refining</i>	(1)	(1)	(1)	
	n-Paraffins, C _s -C ₁₈ <i>Exxon Chemical Americas</i> <i>Phibro Refining</i> <i>Texaco Chemical Co.</i>		(1)	(1)	
	Pentenes, mixed <i>Chemical Exchange Industries, Inc.</i> <i>Mobil Oil Corp., Gas Liquids Dept.</i> <i>Phillips 66 Co.</i> <i>Shell Oil Co.</i> <i>Texaco Chemical Co.</i>		(1)	(1)	
	Poly[oxyethylene(dimethylimino)ethylene (dimethylimino)ethylene dichloride] <i>Buckman Laboratories, Inc.</i>	(1)	(1)	(1)	
	Residual Total	2,702,147	2,596,941	638,139	\$ 0.25
	38239050 Chemical products, preparations, and residual products of the chemical or allied industries, near	1,201,642	849,934	879,722	1.04
	Acrylic monomers BASF Corp (Parsippany, NJ)	(1)	(1)	(1)	
	Alcohol mixtures, other <i>Exxon Chemical Americas</i> <i>Henkel Corp.</i> <i>Vista Chemical Co.</i>	(1)	(1)	(1)	
	Alcohol mixtures, C. 11 or lower only BASF Corp (Parsippany, NJ) <i>Ethyl Corp.</i> <i>Exxon Chemical Americas</i> <i>Procter & Gamble Co., Procter & Gamble Mfg. Co.</i> <i>Shell Oil Co., Shell Chemical Co.</i> <i>Union Carbide Corp., Industrial Chemicals Div.</i>	33,235	46,811	45,922	0.98

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38239050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Vista Chemical Co.				
	Alcohol mixtures, C-12 through C-18 only	309,407	141,575	197,057	\$ 1.39
	Ethyl Corp.				
	Henkel Corp.				
	Procter & Gamble Co., Procter & Gamble Mfg. Co.				
	Shell Oil Co., Shell Chemical Co.				
	Sherex Chemical Co., Inc.				
	Vista Chemical Co.				
	t-Alkylamines, primary, mixed	(¹)	(¹)	(¹)	
	Rohm & Haas Co.				
	Alkylphenol, calcium salt, sulfurized	(¹)	(¹)	(¹)	
	Dixie Chemical Co., Inc.				
	Bacillus thuringiensis	(¹)	(¹)	(¹)	
	Abbott Laboratories				
	E.I. Dupont de Nemours & Co., Inc., Ag. Products Dept.				
	Sandoz Crop Protection (zefird)	(1)	(¹)	(¹)	
	Blend of fatty and phosphate esters	(1)	(¹)	(¹)	
	Milliken & Co., Milliken Chemical Div.				
	Boron fluoride-phenol complex	(¹)	(¹)	(¹)	
	Chattem, Inc.				
	Butyl formcel		(¹)	(¹)	
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Diisobutylene polysulfide	(¹)	(¹)	(¹)	
	Elco Corp. sub. of Detrex Chemical Industries, Inc.				
	Di-tertiary nonylpolysulfide	(1)	(¹)	(¹)	
	Elf Atochem North America, Inc.				
	Fatty acid polyamine condensate	(¹)	(¹)	(¹)	
	Chevron Corp., Chevron Chemical Co.				
	Fatty acid residues	62,235	36,333	3,472	0.10
	Arizona Chemical Co.				
	Lonza, Inc.				
	Sherex Chemical Co., Inc.				
	Synthetic products co.				
	Unichema North America				
	Witco Corp.				
	Formaldehyde polymer with ethylenediamine and nonyl phenol derivatives	(1)	(¹)	(¹)	
	Company not disclosed				
	Gluconic acid and salts, mixed	(1)	(¹)	(¹)	
	PMP Fermentation Products, Inc.				
	Glycol residues	(1)	(¹)	(¹)	
	Olin Corp. (II, III, VIII, IX, XII, XIV, XV)				
	Hydrocarbon carboxylic acid derivatives (specify)	(1)	(¹)	(¹)	
	Company not disclosed				
	Company not disclosed				
	Ferro Corp., Keil Chemical Div.				
	Henkel Corp.				
	Imidazoline from tall oil fatty acids and diethylenetriamine	(1)	(¹)	(¹)	
	Company not disclosed				
	Methyl formcel	(¹)	(¹)	(¹)	
	Hoechst Celanese Corp., Chemical Group, Inc. (xv)				
	Huls America, Inc.				
	Mixed alcohol borates	(1)	(¹)	(¹)	
	Company not disclosed				
	Mixed t-a-alkylcarboxylic acid salts	(¹)	(¹)	(¹)	
	Mooney Chemicals, Inc.				
	Mixed dialkyl hydrogen phosphates, amine salts	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 38239060 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Elco Corp. sub. of Detrex Chemical Industries, Inc.</i>				
	Mixtures not specifically itemized, all other	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Monsanto Co.</i>				
	<i>Olin Corp. viii, ix, xii, xiv, xv)</i>				
	<i>Oxy Petrochemicals, Inc.</i>				
	Mixtures of alcohols, C ₁₂ and higher, other	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	<i>Vista Chemical Co.</i>				
	Oil-soluble petroleum sulfonate, all other	(1)	(¹)	(¹)	
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>Ethyl Corp.</i>				
	<i>Monsanto Co.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Witco Corp.</i>				
	Oil-soluble petroleum sulfonate, barium salt	(¹)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Ethyl Corp.</i>				
	<i>Witco Corp.</i>				
	Oil-soluble petroleum sulfonate, calcium salt	128,900	103,869	176,471	\$ 1.70
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Ethyl Corp.</i>				
	<i>Texaco Chemical Co.</i>				
	<i>Witco Corp.</i>				
	Oil-soluble petroleum sulfonate, magnesium salt	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	<i>Witco Corp.</i>				
	Oil-soluble petroleum sulfonate, mixed salts	(1)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Oil-soluble petroleum sulfonate, sodium salt	(1)	(1)	(1)	
	<i>Pennzoil Products Co., Penreco Div.</i>				
	<i>Witco Corp.</i>				
	Oleamidopropyl betaine	(1)	(1)	(1)	
	<i>Rhone Poulenc, Inc.</i>				
	Oxidized hydrocarbon mixture	(¹)	(1)	(1)	
	<i>Alox Corp.</i>				
	<i>Ferro Corp., Keil Chemical Div.</i>				
	Pentaerythritol esters	(¹)	(1)	(1)	
	<i>Ferro Corp., Keil Chemical Div.</i>				
	Pine oil, synthetic	21,003	21,224	21,870	1.03
	<i>Arizona Chemical Co.</i>				
	<i>SCM Corp., Glidco Organics</i>				
	<i>Union Camp Corp.</i>				
	Polyamines	(¹)	(¹)	(¹)	
	<i>Quaker Chemical Corp.</i>				
	Tetrahydropyrimidine from tall oil fatty acids and propylenediamine	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	Trimethylol propane ester	(¹)	(¹)	(¹)	
	<i>Henkel Corp.</i>				
	<i>Mobil Oil Corp., Chemical Products Div.</i>				
	Very high molecular weight (>1000) hydrocarbons	(1)	(1)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	646,861	500,122	433,713	0.87

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
38XX	HTS Level Residual Total	(1)	(1)	(1)	
39	Plastics and articles thereof	(1)	(1)	(1)	
3901	Polymers of ethylene, in primary forms	(1)	(1)	(1)	
390110	Polyethylene having a specific gravity of less than 0.94	5,660,380	5,510,760	3,627,040	\$ 0.66
39011000	Polyethylene having a specific gravity of less than 0.94, in primary forms	5,660,380	5,510,760	3,627,040	0.66
	Specific gravity 0.940 and below	3,182,397	2,962,050	2,349,321	0.79
	<i>Allied Signal, Inc., Engineered Materials Sector</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Dow Chemical Co.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Eastman Kodak Co., Texas Eastman Co. Div</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Lyondell Petrochemical Co.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>National Starch & Chemical Co.</i>				
	<i>Quantum Chemical Corp., USI Div.</i>				
	<i>Rexene Products Co.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Westlake Corp.</i>				
	Specific gravity 0.940 and below, linear	2,477,983	2,548,710	1,277,719	0.50
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Himont, USA, Inc.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Quantum Chemical Corp., USI Div.</i>				
	<i>Solvay Polymer Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
390120	Polyethylene having a specific gravity of 0.94 or more	4,198,113	4,261,406	2,710,337	0.64
39012000	Polyethylene having a specific gravity of 0.94 or more, in primary forms	4,198,113	4,261,406	2,710,337	0.64
	Specific gravity over 0.940	4,198,113	4,261,406	2,710,337	0.64
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Fina Oil & Chemical Co.</i>				
	<i>Himont, USA, Inc.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Occidental Chemical corp., Polmers and Plastics Group</i>				
	<i>Paxon Polymer Co., L.P.</i>				
	<i>Phillips 66 Co.</i>				
	<i>Quantum Chemical Corp., USI Div.</i>				
	<i>Solvay Polymer Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
390130	Ethylene-vinyl acetate copolymers	237,768	217,969	230,586	1.06
39013000	Ethylene-vinyl acetate copolymers, in primary forms	237,768	217,969	230,586	1.06
	Ethylene-vinyl acetate (EVA) copolymer resins	237,768	217,969	230,586	1.06
	<i>Exxon Chemical Americas</i>				
	<i>National Starch & Chemical Co.</i>				
	<i>Quantum Chemical Corp., USI Div.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
390190	Polymers of ethylene, in primary forms, nesi	(1)	(1)	(1)	
39019010	Polymers of ethylene, nesi, in primary forms, elastomeric		(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
		1,000 Kilograms	Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39019010 —Continued					
	Chlorosulfonated polyethylene (CSM) type <i>E.I. DuPont de Nemours & Co., Inc., Polymer Products</i>	(¹)	(¹)		
	Thermoplastic olefin elastomers <i>Advanced Elastomer Systems, L.P.</i>		(1)	(1)	
	Residual Total	(1)	(1)	(1)	
39019050	Polymers of ethylene, nesi, in primary forms, other than elastomeric	115,804	93,521	173,886	\$ 1.86
	Other ethylene copolymer resins <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Dow Chemical Co.</i> <i>Eastman Kodak Co., Texas Eastman Co. Div</i> <i>Eval Company of America</i> <i>Exxon Chemical Americas</i> <i>Kaneka Texas Corp.</i> <i>Sequa Chemicals, Inc.</i> <i>Zeeland Chemical, Inc.</i>	115,804	93,521	173,886	1.86
3902	Polymers of propylene or of other olefins, in primary forms	(¹)	(1)	(1)	
390210	Polypropylene	3,240,165	2,939,281	2,073,371	0.71
39021000	Polypropylene, in primary forms	3,240,165	2,939,281	2,073,371	0.71
	Polypropylene resins <i>AMOCO Corp.</i> <i>Aristech Chemical Corp</i> <i>Eastman Kodak Co., Texas Eastman Co. Div</i> <i>Epsilon Products Co.</i> <i>Exxon Chemical Americas</i> <i>Fine Oil & Chemical Co.</i> <i>Himont, USA, Inc.</i> <i>Huntsman Chemical corp.</i> <i>Phillips 66 Co.</i> <i>Quantum Chemical Corp., USI Div.</i> <i>Rexene Products Co.</i> <i>Shell Oil Co., Shell Chemical Co.</i> <i>Solvay Polymer Inc.</i>	3,240,165	2,939,281	2,073,371	0.71
390230	Propylene copolymers	(¹)	(¹)	(¹)	
39023000	Propylene copolymers, in primary forms	(¹)	(¹)	(¹)	
	Ethylene-propylene copolymer <i>Texaco Chemical Co.</i>	(1)	(1)	(1)	
	Propylene copolymers <i>Epsilon Products Co.</i> <i>Exxon Chemical Americas</i> <i>Himont, USA, Inc.</i> <i>Lyondell Petrochemical Co.</i> <i>Milliken & Co., Milliken Chemical Div.</i>	421,634	392,895	277,101	0.71
	Residual Total	(1)	(¹)	(¹)	
390290	Polymers of propylene or of other olefins, in primary forms, nesi	(1)	153,892	201,455	1.31
39029000	Polymers of propylene or of other olefins, nesi, in primary forms	(¹)	153,892	201,455	1.31
	Polybutadiene resins <i>Conap, Inc.</i> <i>Eff Atochem North America, Inc.</i> <i>Lord Corp., Chemical Products Div.</i> <i>Ricon Resins, Inc.</i>	(1)	(1)	(1)	
	Polybutylene type resins <i>AMOCO Corp.</i> <i>Exxon Chemical Americas</i>	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39029000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	Residual Total	(1)	153,892		\$
390290XX	HTS Level Residual Total	(1)			
3902XX	HTS Level Residual Total	(1)			
3903	Polymers of styrene, in primary forms	(1)	(¹)	(¹)	
390311	Polystyrene, expandable	332,029	257,681	291,816	1.13
39031100	Polystyrene, expandable, in primary forms	332,029	257,681	291,816	1.13
	Expandable polystyrene beads	332,029	257,681	291,816	1.13
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Dart Polymers, Inc., sub. of Dart Container Corp.</i>				
	<i>Huntsman Chemical corp.</i>				
	<i>Scott Polymers, Inc.</i>				
390319	Polystyrene, other than expandable	2,146,284	1,819,762	1,651,916	0.91
39031900	Polystyrene, other than expandable, in primary forms	2,146,284	1,819,762	1,651,916	0.91
	Rubber modified polystyrene	933,774	873,204	835,235	0.96
	<i>AMOCO Corp.</i>				
	<i>American Polymers, Inc.</i>				
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Dart Polymers, Inc., sub. of Dart Container Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Fina Oil & Chemical Co.</i>				
	<i>Huntsman Chemical corp.</i>				
	<i>Novacor Chemicals, Inc.</i>				
	Straight polystyrene	1,212,510	946,559	816,681	0.86
	<i>AMOCO Corp.</i>				
	<i>American Polymers, Inc.</i>				
	<i>Atlantic Richfield Co., ARCO Chemical Co.</i>				
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Chevron Corp., Chevron Chemical Co.</i>				
	<i>Dart Polymers, Inc., sub. of Dart Container Corp.</i>				
	<i>De/tech Corporation</i>				
	<i>Dow Chemical Co.</i>				
	<i>Fina Oil & Chemical Co.</i>				
	<i>Hercules, Inc.</i>				
	<i>Huntsman Chemical corp.</i>				
	<i>Kama Corp.</i>				
	<i>Mobil Oil Corp., Petrochemicals Div.</i>				
	<i>Novacor Chemicals, Inc.</i>				
	<i>Packaging Corp. of America</i>				
	<i>Scott Polymers, Inc.</i>				
390320	Styrene-acrylonitrile (SAN) copolymers	(¹)	(1)	(1)	
39032000	Styrene-acrylonitrile (SAN) copolymers, in primary forms	(1)	(1)	(1)	
	Styrene acrylonitrile copolymer resins (SAN)	(1)	(1)	(1)	
	<i>Dow Chemical Co.</i>				
	<i>Monsanto Co.</i>				
	<i>W R Grace & Co., Organic Chemicals Div., Chem. & Polymers</i>				
	<i>Zeneca, Inc., Resins Div.</i>				
	Residual Total	(1)	(¹)	(¹)	
390330	Acrylonitrile-butadiene-styrene (ABS) copolymers	511,783	481,911	904,945	1.88
39033000	Acrylonitrile-butadiene-styrene (ABS) copolymers, in primary forms	511,783	481,911	904,945	1.88
	Acrylonitrile-butadiene-styrene (ABS) terpolymer resins	511,783	481,911	904,945	1.88
	<i>Dow Chemical Co.</i>				
	<i>General Electric Co., Speciality Chemical group</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39033000 —Continued					
Chemical description/Manufacturer—Continued					
	Monsanto Co. W R Grace & Co., Organic Chemicals Div., Chem. & Polymers	830,595	(¹)	(¹)	
390390	Polymers of styrene, in primary forms, nesi				
39039010	Methyl methacrylate-butadiene-styrene (MBS) copolymers, in primary forms	54,111	78,618	181,274	\$ 2.31
	Methyl methacrylate-butadiene styrene (MBS) resins	54,111	78,618	181,274	2.31
	Cyro Industries Kaneka Texas Corp. Rohm & Haas Co.				
39039050	Polymers of styrene, nesi, in primary forms	776,484	(1)	(1)	
	Butadiene styrene copolymer		(1)	(1)	
	Milliken & Co., Milliken Chemical Div.				
a.	Methyl styrene polymers	(¹)	12,172	20,320	1.67
	AMOCO Corp. Air Products & Chemicals, Inc. Cook Composites and Polymers Company Grow Group, Inc., Cello Corp. Div. S C Johnson & Son, Inc.				
	Styrene block copolymers	202,394	180,086	454,902	2.53
	B F Goodrich Co. Dexco Polymers Firestone Tire & Rubber Co., Synth. Rubber & Latex Co. Shell Oil Co., Shell Chemical Co.				
	Styrene-butadiene latexes	301,703	346,763	383,945	1.11
	Dow Chemical Co. Goodyear Tire & Rubber Co. Morton International, Inc., Morton Chemical Div. Reichhold Chemicals, Inc. Rohm & Haas Co. Union Oil Co. of California W R Grace & Co., Organic Chemicals Div., Chem. & Polymers				
	Styrene copolymers, all other	158,522	145,100	229,238	1.58
	Air Products & Chemicals, Inc. Alco Chemical Arizona Chemical Co. Atlantic Richfield Co., ARCO Chemical Co. Company not disclosed Cook Composites and Polymers Company General Electric Co., Speciality Chemical group Goodyear Tire & Rubber Co. Grow Group, Inc., Cello Corp. Div. Guardsman Products, Inc. N.B. Fuller Co. Hercules, Inc. ISP Chemicals, Inc. Monsanto Co. Phillips 66 Co. S C Johnson & Son, Inc. Sequa Chemicals, Inc. Sybron Chemicals, Inc.				
	Styrene latexes, all other	20,157	17,431	24,690	1.42
	Ameripol Synpol Co., Div. of Gantrade Corp. Anderson Development Co. Ricon Resins, Inc. Union Carbide Corp., Industrial Chemicals Div. Union Oil Co. of California W R Grace & Co., Organic Chemicals Div., Chem. & Polymers				
	Styrene-maleic anhydride copolymer resins	44,833	36,936	83,781	2.27

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39039060 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Atlantic Richfield Co., ARCO Chemical Co. Company not disclosed Dixie Chemical Co., Inc. Elco Corp. sub. of Detrex Chemical Industries, Inc. Elf Atochem North America, Inc. Monsanto Co.				
	Styrene methyl methacrylate copolymer resins Anderson Development Co. Novacor Chemicals, Inc. Rohm & Haas Co. Zeon Chemicals, Inc.	(¹)	(1)	(1)	
	Styrene type plastics materials, all other Ferro Corp., Keil Chemical Div. Firestone Tire & Rubber Co., Synth. Rubber & Latex Co. Monsanto Co. Rohm & Haas Co. Zeneca, Inc., Resins Div.	20,319	31,419	69,135	\$ 2.20
	Residual Total	28,556		(¹)	
3904	Polymers of vinyl chloride or of other halogenated olefins, in primary forms	4,266,984	(1)	(1)	
390421	Polyvinyl chloride, mixed with other substances, nonplasticized	4,094,886	3,823,887	2,754,038	0.72
39042100	Polyvinyl chloride, mixed with other substances, nonplasticized, in primary forms	4,094,886	3,823,887	2,754,038	0.72
	Polyvinyl chloride homopolymer resins B F Goodrich Co. Borden Chemical & Plastics Delaware Limited Partnership Certainteed Corp. Formosa Plastics Corp. Louisiana Georgia Gulf Corp., PVC Compound Div. Georgia Gulf Corp., Plaquemine Div. Goodyear Tire & Rubber Co. Keysor Century Corp. Occidental Chemical corp., Polmers and Plastics Group Shintech, Inc. Vista Chemical Co. Vygen Corp. Westlake Corp.	4,094,886	3,823,887	2,754,038	0.72
390440	Vinyl chloride copolymers nesi	103,600	91,023	169,104	1.86
39044000	Vinyl chloride copolymers nesi, in primary forms	103,600	91,023	169,104	1.86
	Polyvinyl chloride copolymer resins, all other B F Goodrich Co. Borden Chemical & Plastics Delaware Limited Partnership Certainteed Corp. Keysor Century Corp. Union Carbide Corp., Industrial Chemicals Div. Vygen Corp.	103,600	91,023	169,104	1.86
390450	Vinylidene chloride polymers nesi	41,131	26,158	64,620	2.47
39045000	Vinylidene chloride polymers, in primary forms	41,131	26,158	64,620	2.47
	Latex type polyvinylidene chloride resins B F Goodrich Co. Dow Chemical Co. Rohm & Haas Co. Union Oil Co. of California W R Grace & Co., Organic Chemicals Div., Chem. & Polymers	41,131	26,158	64,620	2.47
390461	Polytetrafluoroethylene (PTFE)	(1)		(1)	
39046100	Polytetrafluoroethylene (PTFE), in primary forms	(¹)	(1)	(1)	
	Polytetrafluoroethylene (PTFE)	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39046100 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Ausimont USA, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>ICI Americas, Inc., Specialty Chemicals Div.</i>				
	<i>ICI, Fluoropolymers Div.</i>				
	Residual Total	(1)	(1)	(1)	
390469	Fluoropolymers, nesi	15,000	13,847	251,751	\$ 1 8.1 8
39046950	Fluoropolymers, other than elastomeric and other than polytetrafluoroethylene, in primary forms	15,000	13,847	251,751	1 8.1 8
	Fluorocarbon resins,all other	15,000	13,847	251,751	1 8.1 8
	<i>Ausimont USA, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Elf Atochem North America, Inc.</i>				
390490	Polymers of vinyl chloride or of other halogenated olefins, in primary forms, nesi		(1)	(1)	
39049050	Polymers of vinyl chloride or of other halogenated olefins, nesi, in primary forms, other than elastomeric, in primary forms		(1)	(1)	
	Chlorinated polyolefins,thermoplastic	(1)	(1)	(1)	
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>				
	Residual Total	(1)	(1)		
3904XX	HTS Level Residual Total	12,367	(1)	(1)	
3905	Polymers of vinyl acetate or of other vinyl esters, in primary forms; other vinyl polymers in primary forms		(1)	(1)	
390519	Polymers of vinyl acetate, other than in aqueous dispersion	276,258	208,843	314,203	1.50
39051900	Polymers of vinyl acetate, other than in aqueous dispersion, in primary forms	276,258	208,843	314,203	1.50
	Polyvinyl acetate resins	276,258	208,843	314,203	1.50
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Franklin International, Inc.</i>				
	<i>Glidden Co.</i>				
	<i>H. B. Fuller Co.</i>				
	<i>Jones Blair Co.</i>				
	<i>McWhorter, Inc.</i>				
	<i>Monsanto Co.</i>				
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	<i>National Starch & Chemical Co.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	<i>Southern Resins, Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Union Oil Co. of California</i>				
	<i>W R Grace & Co., Organic Chemicals Div., Chem. & Polymers</i>				
390520	Polyvinyl alcohols, whether or not containing unhydrolyzed acetate groups	(1)		(1)	
39052000	Polyvinyl alcohols, whether or not containing unhydrolyzed acetate groups, in primary forms	(1)	(1)	(1)	
	Polyvinyl alcohol resins	(1)	(1)	(1)	
	<i>Air Products & Chemicals, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Milliken & Co., Milliken Chemical Div.</i>				
	Residual Total	(1)	(1)	(1)	
390590	Polymers of vinyl acetate or esters, in primary forms or vinyl polymers in primary forms, nesi	343,519	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
39059010	Polymers of vinyl esters, in primary forms, cont.				
	50% or more of derivatives of vinyl acetate	(1)	(1)	(1)	
	Polyvinyl butyral resins	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	Polyvinyl formal resin	(1)	(1)	(1)	
	<i>Monsanto Co.</i>				
	<i>P.D. George Co.</i>				
	Vinyl acetate-acrylate copolymers	285,849	290,462	247,779	\$ 0.85
	<i>Adco Chemical Co.</i>				
	<i>Franklin International, Inc.</i>				
	<i>Glidden Co.</i>				
	<i>H.B. Fuller Co.</i>				
	<i>Hickson Danchem Corporation</i>				
	<i>Insilco Corp., Sinclair Paint Co., Div.</i>				
	<i>Kelly Moore Paint Co., Inc.</i>				
	<i>National Casein Co.</i>				
	<i>National Casein of New Jersey</i>				
	<i>Para Chem Southern, Inc.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Union Oil Co. of California</i>				
	1-Vinyl-2-pyrrolidinone--vinyl acetate copolymer	(1)	(1)	(1)	
	<i>ISP Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
39059050	Polymers of vinyl esters, in primary forms: other vinyl polymers, in primary forms, nesi	(1)	(1)	(1)	
	2-Butenedioic, monomethyl ester, polymer with methoxyethene	(1)	(1)	(1)	
	<i>Gillette Chemical Co.</i>				
	Poly(vinyl-0-sulfobenzal)	(1)	(1)	(1)	
	<i>E.I. DuPont de Nemours & Co., Inc., Ed/lmg Dept.</i>				
	1-Vinyl-2-pyrrolidinone--other copolymers	(1)	(1)	(1)	
	<i>ISP Chemicals, Inc.</i>				
	1-Vinyl-2-pyrrolidinone, copolymers with vinyl acetate	(1)	(1)	(1)	
	<i>Hickson Danchem Corporation</i>				
	1-Vinyl-2-pyrrolidinone, polymers	(1)	(1)	(1)	
	<i>Hickson Danchem Corporation</i>				
	<i>ISP Chemicals, Inc.</i>				
	Vinyl resins, all other	(1)	(1)	(1)	
	<i>Dixie Chemical Co., Inc.</i>				
	<i>H.B. Fuller Co.</i>				
	<i>National Casein Co.</i>				
	<i>National Casein of New Jersey</i>				
	<i>Phelps Dodge Industries, Inc., Magnet Wire Co. Div.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Westinghouse Electric Corp., Electrical Materials Div.</i>				
	Residual Total	(1)	(1)	(1)	
390590XX	HTS Level Residual Total		(1)	(1)	
3906	Acrylic polymers in primary forms	(1)	(1)	(1)	
390610	Polymethyl methacrylate	296,254	168,687	394,810	2.34
39061000	Polymethyl methacrylate, in primary forms	296,254	168,687	394,810	2.34
	Polymethyl methacrylate (PMMA)	296,254	168,687	394,810	2.34
	<i>Aristech Chemical Corp</i>				
	<i>Cyro Industries</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39061000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Dock Resins Corp.				
	El. Dupont de Nemours & Co., Inc., Automotive Products				
	El. Dupont de Nemours & Co. Inc., Polymer Products				
	Esschem Inc.				
	ICI Acrylic, Inc.				
	Jones Blair Co.				
	Morton International, Inc., Morton Chemical Div.				
	Morton International, Inc., Morton Chemical Div.				
	Plaskolite, Inc.				
	Rohm & Haas Co.				
	Sequa Chemicals, Inc.				
	Sybron Chemicals, Inc.				
390690	Acrylic polymers in primary forms, nesi	(¹)	V)	(¹)	
39069020	Acrylic plastics polymers (except PMMA), in primary forms, nonelastomeric	(¹)	(¹)	(¹)	
	Butyl acrylate ethyl acrylate copolymer resins		(¹)	(¹)	
	Air Products & Chemicals, Inc.				
	B F Goodrich Co.				
	Guardzman Products, Inc.				
	Rohm & Haas Co.				
	Sybron Chemicals, Inc.				
	Union Oil Co. of California				
	Zeneca, Inc., Resins Div.				
	Other homopolymer resins of acrylic and/or methacrylic acidesters	22,845	9,122	57,201	\$ 6.27
	Air Products & Chemicals, Inc.				
	Company not disclosed				
	Cook Composites and Polymers Company				
	E.I. Dupont de Nemours & Co., Inc., Chems & Pigments				
	Esschem Inc.				
	Guardzman Products, Inc.				
	Henkel Corp.				
	Rohm & Haas Co.				
	Union Oil Co. of California				
	Thermosetting acrylate resins	32,699	27,185	82,680	3.04
	Air Products & Chemicals, Inc.				
	Akzo Coatings, Inc.				
	BASF Corp (Parsippany, NJ)				
	Cook Composites and Polymers Company				
	Dock Resins Corp.				
	E.I. Dupont de Nemours & Co., Inc., Automotive Products				
	Guardzman Products, Inc.				
	Henkel Corp.				
	McWhorter, Inc.				
	Mobil Oil Corp., Chemical Products Div.				
	PPG Industries, Inc.				
	Para Chem Southern, Inc.				
	Residual Total	(¹)	(¹)	(¹)	
39069050	Acrylic polymers (except plastics or elastomers), in primary forms, nesi	758,657	532,122	1,254,928	2.36
	Acrylamide-2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer		(¹)	(¹)	
	Company not disclosed				
	Acrylamide-acrylic acid copolymer, sodium salt	(¹)	(¹)	(¹)	
	Buckman Laboratories, Inc.				
	Company not disclosed				
	Acrylamide-trimethylaminoethyl acrylate chloride polymer	(¹)	(¹)	(¹)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39069050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Company not disclosed</i>				
	Acrylamide-trimethylaminoethyl methacrylate chloride)	(¹)		
	<i>Company not disclosed</i>				
	Adipic acid crosslinked polyacrylamide	(¹)	(¹)	(¹)	
	<i>Buckman Laboratories, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	Ammonium polyacrylate	(¹)		(¹)	
	<i>Allied Colloids, Inc.</i>				
	<i>Catawba Charlab, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Yorkshire Pat Chem, Inc.</i>				
	Other copolymer resins of acrylic and/or methacrylic acid esters	393,397	377,582	922,158	S 2.44
	<i>Adco Chemical Co.</i>				
	<i>Air Products & Chemicals, Inc.</i>				
	<i>Allied Colloids, Inc.</i>				
	BASF Corp (Parsippany, NJ)				
	<i>C. H. Patrick & Co., Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Dock Resins Corp.</i>				
	<i>Essential Industries, Inc.</i>				
	<i>Glidden Co.</i>				
	<i>Grow Group, Inc., Cello Corp. Div.</i>				
	<i>H. B. Fuller Co.</i>				
	<i>Hercules, Inc.</i>				
	<i>Kelly Moore Paint Co., Inc.</i>				
	<i>Monsanto Co.</i>				
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	<i>National Starch & Chemical Co.</i>				
	PPG Industries, Inc.				
	<i>Para Chem Southern, Inc.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Rohm Tech, Inc.</i>				
	<i>S C Johnson & Son, Inc.</i>				
	<i>Schenectady Chemicals, Inc.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	<i>Surface Coatings, Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
	<i>Synthron, Inc.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	<i>Union Oil Co. of California</i>				
	<i>Zeneca, Inc., Resins Div.</i>				
	Ethyl acrylate methacrylic acid copolymer	(¹)		(¹)	
	<i>Alco Chemical</i>				
	Polyacrylamide		(¹)	(¹)	
	<i>Cytec Industries</i>				
	<i>Exxon Chemical Americas</i>				
	<i>Merck & Co., Inc.</i>				
	<i>Sequa Chemicals, Inc.</i>				
	Polyacrylamide copolymers, all other	(¹)	(¹)		
	<i>Company not disclosed</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39069050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Polyacrylate methacrylate copolymers <i>Company not disclosed</i> <i>Rohm & Haas Co.</i>	(¹)	(1)	II	
	Polyacrylate poly(hydroxypropylacrylate) copolymer <i>Company not disclosed</i>	(1)	(1)	(1)	
	Polyacrylic acid <i>Buckman Laboratories, Inc.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Mayo Chemical Co., Inc.</i> <i>Rohm & Haas Co.</i>	2,379	(1)	(1)	
	Poly(acrylic acid, ethyl ester) <i>E.I. Dupont de Nemours & Co., Inc., Ed/Img Dept.</i>	(1)	(1)	(¹)	
	Polyacrylic acid salts, all other <i>B F Goodrich Co.</i> <i>BASF Corp (Parsippany, NJ)</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Dow Chemical Co.</i> <i>Rohm & Haas Co.</i> <i>Stamford Chemicals, Inc.</i>	35,172	25,795	62,795	\$ 2.43
	Polyacrylonitrile and acrylonitrile copolymers <i>Buckman Laboratories, Inc.</i> <i>Cytec Industries</i> <i>E.I. Dupont de Nemours & Co., Inc., Fibers Dept.</i> <i>Monsanto Co.</i>	(1)	(1)	(1)	
	Polyacrylonitrile, hydrolyzed <i>Buckman Laboratories, Inc.</i> <i>Dixie Chemical Co., Inc.</i> <i>Grain Processing Corp.</i> <i>Rohm & Haas Co.</i>	1,266	941	3,351	3.56
	Polyacrylonitrile, starch hydrolyzed polymer <i>Grain Processing Corp.</i>	(¹)	(¹)		
	Polymers, water soluble, all other <i>Buckman Laboratories, Inc.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>E.F. Houghton & Co.</i> <i>E.I. Dupont de Nemours & Co., Inc., Ed/Img Dept.</i> <i>Henkel Corp.</i> <i>Hickson Danchem Corporation</i> <i>ISP Chemicals, Inc.</i> <i>Para Chem Southern, Inc.</i> <i>Rhone Poulenc, Inc.</i> <i>Rohm & Haas Co.</i> <i>Synthron, Inc.</i>	36,550	40,319	105,192	2.61
	Polymethacrylic acid, sodium salt <i>Alm Chemical</i>	(1)	(1)	(1)	
	Sodium ammonium polyacrylate and copolymers <i>Alco Chemical</i> <i>B F Goodrich Co.</i> <i>BASF Corp (Parsippany, NJ)</i> <i>Company not disclosed</i>	73,495	21,811	28,612	1.31

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39069060 — Continued					
	<i>Chemical description/Manufacturer—Continued</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Rohm & Haas Co.</i>				
	<i>Stamford Chemicals, Inc.</i>				
	Sodium polyacrylate	(¹)	(¹)		
	<i>Buckman Laboratories, Inc.</i>				
	<i>E.F. Houghton & Co.</i>				
	<i>Mayo Chemical Co., Inc.</i>				
	<i>Stamford Chemicals, Inc.</i>				
	<i>Synthron, Inc.</i>				
	Sodium polyacrylate, grafted	(¹)	(¹)	(1)	
	<i>Company not disclosed</i>				
	Residual Total	216,398	65,318	129,664	\$ 1.99
3907	Polyacetals, other polyethers and epoxide resins, in primary forms: polycarbonates, alkyd resins, polyallyl esters and other polyesters, in primary forms		3,175,662	6,076,342	1.91
390710	Polyacetals in primary forms	(¹)	(¹)	(¹)	
39071000	Polyacetals in primary forms	(¹)		(¹)	
	Acetal resins	(¹)	(¹)	(1)	
	<i>Cargill, Inc.</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Pratt & Lambert, Inc.</i>				
	<i>Ultraform Co.</i>				
	<i>West Point Pepperell, Inc., Grifftex Chem. Co.</i>				
	Residual Total	(1)	(1)	(¹)	
390720	Polyesters, other than polyacetals, in primary forms	(1)		(1)	
39072000	Polyesters, other than polyacetals, in primary forms	(1)	(1)	(1)	
	Glyoxal-formaldehyde resins	13,196		(¹)	
	<i>Auralux Corp.</i>				
	<i>Hoechst Celanese Corp., Sou Tex Works</i>				
	<i>IVAX Industries</i>				
	<i>Sequa Chemicals, Inc.</i>				
	<i>Sybron Chemicals, Inc.</i>				
	<i>West Point Pepperell, Inc., Grifftex Chem. Co.</i>				
	Perfluoroalkyl polyether	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Phenoxy (R) resin (other than for coating and adhesives)	(¹)	(¹)	(¹)	
	<i>Company not disclosed</i>				
	<i>Neville Chemical Co.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
	Poly(dibromophenylene oxide)	(1)	(1)	(1)	
	<i>Great Lakes Chemical Corp.</i>				
	Polyhexafluoropropylene oxide	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Chems & Pigments</i>				
	Polyphenylene oxide type resins	(1)	(1)	(1)	
	<i>General Electric Co., Speciality Chemical group</i>				
	Residual Total	(1)	(1)		
390720XX	HTS Level Residual Total	(a)			
390730	Epoxide resins in primary forms	331,680	237,727	466,095	1.96
39073000	Epoxide resins in primary forms	331,680	237,727	466,095	1.96
	Epoxy resins, advanced	94,136	56,283	113,357	2.01
	<i>Akzo Coatings, Inc.</i>				
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>C. J. Osborn, Chemicals, Inc.</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39073000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Cargill, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Company not disclosed</i>				
	<i>Conap, Inc.</i>				
	<i>Courtaulds Aerospace</i>				
	<i>Dexter Corp., Dexter Packaging Products</i>				
	<i>Dock Resins Corp.</i>				
	<i>Dow Chemical Co.</i>				
	<i>General Electric Co., Electromaterials Div.</i>				
	<i>Glidden Co.</i>				
	<i>Guardsman Products, Inc.</i>				
	<i>Mameco International, Inc.</i>				
	<i>Minnesota Mining & Manufacturing Co.</i>				
	<i>Morton International, Inc., Morton Chemical Div.</i>				
	PPG Industries, Inc.				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Smooth on, Inc.</i>				
	<i>Westinghouse Electric Corp., Electrical Materials Div.</i>				
	<i>Zeeland Corp., Hexcel Resin products division</i>				
	Epoxy resins, unmodified	237,544	181,443	352,738	S 1.94
	<i>Ashland Chemical, Inc. (Columbus, OH)</i>				
	<i>BASF Corp (Parsippany, NJ)</i>				
	<i>Company not disclosed</i>				
	<i>Cosmic Plastics, Inc.</i>				
	<i>Dexter Corp., Aerospace Materials Div.</i>				
	<i>Dow Chemical Co.</i>				
	<i>Dynachem, Inc.</i>				
	<i>Hickson Danchem Corporation</i>				
	<i>McWhorter, Inc.</i>				
	<i>P.D. George Co.</i>				
	<i>Pratt & Lambert, Inc.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Shell Oil Co., Shell Chemical Co.</i>				
	<i>Union Camp Corp., Chemical Div.</i>				
	<i>Union Carbide Corp., Industrial Chemicals Div.</i>				
390740	Polycarbonates in primary forms	(¹)	(¹)	(¹)	
39074000	Polycarbonates in primary forms				
	Polycarbonate resins	(1)	(¹)	(¹)	
	<i>Dow Chemical Co.</i>				
	<i>General Electric Co., Speciality Chemical group</i>				
	<i>Sequa Chemicals, Inc.</i>				
	<i>Stahl, USA</i>				
	Residual Total	(¹)	(¹)	(¹)	
390750	Alkyd resins in primary forms	314,820	259,374	341,742	1.32
39075000	Alkyd resins in primary forms	314,820	259,374	341,742	1.32
	Acrylate alkyd copolymer resins	5,211	2,193	5,000	2.28
	<i>Akzo Coatings, Inc.</i>				
	<i>Company not disclosed</i>				
	<i>Cook Composites and Polymers Company</i>				
	<i>Delta Resins & Refractories, Inc.</i>				
	<i>McWhorter, Inc.</i>				
	PPG Industries, Inc.				
	Alkyd copolymers, all other	8,589	7,240	17,882	2.47
	BASF Corp (Parsippany, NJ)				
	<i>C. J. Osborn, Chemicals, Inc.</i>				
	<i>Cargill, Inc.</i>				
	<i>Dexter Corp., Dexter Packaging Products</i>				
	<i>E.I. Dupont de Nemours & Co., Inc., Automotive Products</i>				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39075000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Guardsman Products, Inc. McWhorter, Inc. Ranbar Technology, Inc.				
	Phthalic anhydride type alkyd resins	274,024	229,097	282,021	\$ 1.23
	Adco Chemical Co. Akzo Coatings, Inc. Akzo Coatings, Inc. BASF Corp (Parsippany, NJ) C. J. Osborn, Chemicals, Inc. Capital Resin Corporation Cargill, Inc. Company not disclosed Company not disclosed Cook Composites and Polymers Company Dock Resins Corp. E.I. Dupont de Nemours & Co., Inc., Automotive Products Eastern Color & Chemical Co. Glidden Co. Guardsman Products, Inc. Hilton Davis Company Insulating Materials, Inc. Jones Blair Co. Lilly Industries, Inc. M. A. Bruder & Sons, Inc. McWhorter, Inc. Minnesota Mining & Manufacturing Co. Niles Chemical Paint Co. P.D. George Co. PPG Industries, Inc. Pratt & Lambert, Inc. Quaker Chemical Corp. Ranbar Technology, Inc. Reichhold Chemicals, Inc. Riverdale Industries, Inc. Sybron Chemicals, Inc. Synray Corp.				
	Polybasic acid type alkyd resins	8,264	5,274	7,292	1.38
	Akzo Coatings, Inc. Akzo Resins & Vehicles BASF Corp (Parsippany, NJ) C. J. Osborn, Chemicals, Inc. Company not disclosed Cook Composites and Polymers Company Glidden Co. Guardsman Products, Inc. Insulating Materials, Inc. PPG Industries, Inc. Riverdale Industries, Inc. Schenectady Chemicals, Inc. Westinghouse Electric Corp., Electrical Materials Div.				
	Styrenated alkyds, or copolymer alkyds	5,460	2,504	6,895	2.75
	Akzo Coatings, Inc. C. J. Osborn, Chemicals, Inc. Company not disclosed Cook Composites and Polymers Company Guardsman Products, Inc. Insulating Materials, Inc.				

See endnote at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39075000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Jones Blair Co. McWhorter, Inc. Morton International, Inc., Morton Chemical Div. Schenectady Chemicals, Inc. Westinghouse Electric Corp., Electrical Materials Div.				
	Vinyl toluene alkyds	13,272	13,066	22,652	\$ 1.73
	Akzo Coatings, Inc. C. J. Osborn, Chemicals, Inc. Cargill, Inc. Company not disclosed Cook Composites and Polymers Company Glidden Co. Guardsman Products, Inc. Insulating Materials, Inc. Jones Blair Co. McWhorter, Inc. Ranbar Technology, Inc.				
390760	Polyethylene terephthalate in primary forms	(1)	(¹)	(¹)	
39076000	Polyethylene terephthalate in primary forms	(1)	(¹)	(¹)	
	Polyethylene terephthalate for fiber	(1)	(¹)	(¹)	
	E.I. Dupont de Nemours & Co., Inc., Fibers Dept. Eastman Kodak Co., Tennessee Eastman Co. Div. Fiber Industries, Inc. Firestone Tire & Rubber Co., Firestone Fibers & Textiles				
	Polyethylene terephthalate (PET)	1,225,008	1,105,239	1,875,806	1.70
	Allied Signal, Inc., Engineered Materials Sector Company not disclosed E.I. Dupont de Nemours & Co., Inc., Ed/Img Dept. E.I. Dupont de Nemours & Co., Inc., Petrochemicals Dept. Eastman Kodak Co., Tennessee Eastman Co. Div. General Electric Co., Speciality Chemical group Goodyear Tire & Rubber Co. Hoechst Celanese Corp., Fibers Industrial Div. ICI Americas, Inc., Films Group Div. Shell Oil Co., Shell Chemical Co. Toray Plastics America, Inc.				
	Residual Total	(1)	(¹)	(¹)	
390791	Unsaturated polyesters, nesl, in primary forms	(1)	(¹)	(¹)	
39079110	Unsaturated allyl resins	(1)	(¹)	(1)	
	Allyl resins	(1)	(¹)	(¹)	
	Atlantic Richfield Co., ARCO Chemical Co. Cosmic Plastics, Inc. Insulating Materials, Inc.				
	Poly(diallyldimethylammonium chloride)	(1)	(1)	(¹)	
	CPS Chemical Co., Inc. Company not disclosed Merck & Co., Inc.				
	Residual Total		(¹)	(¹)	
39079150	Unsaturated polyesters, other than allyl resins in primary forms	553,098	492,755	613,135	1.24
	Polyester resins, unsaturated	553,098	492,755	613,135	1.24
	Alpha Corp. of Tennessee Anderson Development Co. Aristech Chemical Corp Ashland Chemical, Inc. (Columbus, OH) BP Chemicals, Inc., Commercial Composites (silmar) Cargill, Inc. Cook Composites and Polymers Company				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39079160 — Continued					
Chemical description/Manufacturer—Continued					
	Glidden Co.				
	Insulating Materials, Inc.				
	Interplastic Corp.				
	Jones Blair Co.				
	Lawter International, Inc.				
	Minnesota Mining & Manufacturing Co.				
	Morton International, Inc., Morton Chemical Div.				
	Owens Corning Fiberglas Corp.				
	P.D. George Co.				
	PPG Industries, Inc.				
	Phelps Dodge Industries, Inc., Magnet Wire Co. Div.				
	Pioneer Plastics Corp.				
	Reichhold Chemicals, Inc.				
	Schenectady Chemicals, Inc.				
	Westinghouse Electric Corp., Electrical Materials Div.				
390799	Polyesters nesi, saturated, in primary forms	(1)	(1)	(1)	
39079900	Polyesters nesi, saturated, in primary forms	(1)	(1)	(1)	
	Complex linear polyesters and polymeric plasticizers, all other	13,210	5,927	6,672	\$ 1.13
	Aqualon Co.				
	Henkel Corp.				
	Hercules, Inc.				
	ISP Van Dyk, Inc.				
	Inolex Chemical Co.				
	Mobil Oil Corp., Chemical Products Div.				
	Scher Chemicals, Inc.				
	Teknor Apex Co.				
	Witco Corp.				
	Co. polyesters	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Polymer Products				
	General Electric Co., Speciality Chemical group				
	Polybutylene terephthalate(PBT)	(1)	(1)	(1)	
	BASF Corp (Parsippany, NJ)				
	General Electric Co., Speciality Chemical group				
	Polyester resins, saturated, all other	119,412	105,522	283,708	2.69
	Akzo Coatings, Inc.				
	BASF Corp (Parsippany, NJ)				
	Cook Composites and Polymers Company				
	E.I. Dupont de Nemours & Co., Inc., Automotive Products				
	E.I. Dupont de Nemours & Co., Inc., Polymer Products				
	Eastman Kodak Co., Tennessee Eastman Co. Div.				
	Elf Atochem North America, Polymer Div.				
	Emhart Corp., Bostik Div.				
	Glidden Co.				
	Goodyear Tire & Rubber Co.				
	ICI Americas, Inc., Specialty Chemicals Div.				
	Insulating Materials, Inc.				
	Jones Blair Co.				
	McWhorter, Inc.				
	Ni/es Chemical Paint Co.				
	P.D. George Co.				
	PPG Industries, Inc.				
	Schenectady Chemicals, Inc.				
	Residual Total	(1)	(1)		
3907XX	HTS Level Residual Total	(1)	233,149	801,810	3.44
3908	Polyamides in primary forms	(1)	(1)		
390810	Polyamide-6, -11, -12, -6,6, -6,9, -6,10 or -6,12, in primary form	1,297,949	1,304,907	3,897,187	2.99

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
39081000	Polyamide-6, -11, -12, -6,6, -6,9, -6,10 or -6,12 in primary form				
	Nylon 6/6	1,297,949 (1)	1,304,907	3,897,187 (1)	\$ 2.99
	Company not disclosed E.I. Dupont de Nemours & Co., Inc., Fibers Dept. Monsanto Co.				
	Nylon 6 (Polymer for fiber, only)	(1)	(1)	(1)	
	Allied Signal, Inc., Engineered Materials Sector DSM Chemicals, North America, Inc.				
	Nylon type, polyamide resins	358,012	306,981	947,734	3.09
	Allied Signal, Inc., Engineered Materials Sector Allied Signal, Inc., Engineered Plastic Div. BASF Corp (Parsippany, NJ) Belding Heminway Company Custom Resins, Div. of Bemis Co., Inc. Day Glo Color Corp E.I. Dupont de Nemours & Co., Inc., Polymer Products EMS American Grilon, Inc. Elf Atochem North America, Polymer Div. Emhart Corp., Bostik Div. Henkel Corp. Imitec, Inc. Monsanto Co. Nylon Corp. of America P.D. George Co. Shakespeare Co., Monofilament Div.				
	Polymers for fibers, all other		(1)	(1)	
	Hoechst Celanese Corp., Fibers Industrial Div.				
	Residual Total	939,936 (1)	997,925 (1) (1)	2,949,453 (1)	2.96
390890	Polyamides in primary forms, nesi				
39089000	Polyamides in primary forms, nesi				
	Dicyandiamide resins	675	612	1,545	2.53
	Sandoz Chemicals Corp. (Mt. Holly/ Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn) Sybron Chemicals, Inc. Synthron, Inc.				
	Non-nylon type, polyamide resins	47,936	46,759	81,395	1.74
	Arizona Chemical Co. Dexter Corp., Automotive Div. E.F. Houghton & Co. Emhart Corp., Bostik Div. Georgia Pacific Corp., Resins Inc. H.B. Fuller Co., ASC Div. Henkel Corp. Hoechst Celanese Corp., Sou Tex Works Lawler International, Inc. Sequa Chemicals, Inc. Union Camp Corp., Chemical Div.				
	Poly-m-phenylene isophthalamide	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Fibers Dept.				
	Poly-p-phenylene terephthalamide	(1)	(1)	(1)	
	E.I. Dupont de Nemours & Co., Inc., Fibers Dept.				
	Residual Total	(1)	(1)	(1)	
390890XX	HTS Level Residual Total		(1)	(1)	
3908XX	HTS Level Residual Total		(1)	(1)	
3909	Amino-resins, phenolic resins and polyurethanes, in primary forms				
		2,862,910	1,618,248	1,929,652	1.19
390910	Urea resins: thiourea resins, in primary forms	(1)	(1)	(1)	
39091000	Urea resins: thiourea resins	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production 1,000 Kilograms	Sales		Average unit value Per kilogram
			Quantity 1,000 Kilograms	Value 1,000 Dollars	
HTS No. 39091000 —Continued					
	Copolyurethane urea <i>El. Dupont de Nemours & Co., Inc., Fibers Dept.</i>	(1)	(¹)	(¹)	
	Urea-formaldehyde resins <i>Akzo Coatings, Inc.</i> <i>Auralux Corp.</i> <i>Borden, Inc., Packaging & Industrial Products Div.</i> <i>Capital Resin Corporation</i> <i>Cargill, Inc.</i> <i>Cytec Industries</i> <i>Dow Corning Corp.</i> <i>Georgia Pacific Corp., Resins Inc.</i> <i>Guardsman Products, Inc.</i> <i>Minnesota Mining & Manufacturing Co.</i> <i>Neste Resins Corp.</i> <i>New Mexico Adhesives</i> <i>Perstorp Compounds, Inc.</i> <i>Pioneer Plastics Corp.</i> <i>Plastics Manufacturing Co.</i> <i>Sequa Chemicals, Inc.</i> <i>Southeastern Adhesives Co.</i> <i>Southern Resins, Inc.</i> <i>Spurlock Adhesives, Inc.</i> <i>Synthron, Inc.</i> <i>West Point Pepperell, Inc., Grifftex Chem. Co.</i> <i>Wright Chemical Corp.</i>	1,229,090	813,032	270,685	\$ 0.33
	Urea, polymers with ethanedial <i>Henkel Corp.</i>	(¹)	(1)	(1)	
	Residual Total	(¹)	(¹)		
390920	Melamine resins in primary forms	164,868	90,601	213,305	2.35
39092000	Melamine resins	164,868	90,601	213,305	2.35
	Melamine-formaldehyde resins <i>Akzo Coatings, Inc.</i> <i>Auralux Corp.</i> <i>Borden, Inc., Packaging & Industrial Products Div.</i> <i>Capital Resin Corporation</i> <i>Cargill, Inc.</i> <i>Cytec Industries</i> <i>Day Glo Color Corp</i> <i>Dexter Corp., Dexter Packaging Products</i> <i>Dock Resins Corp.</i> <i>Georgia Pacific Corp., Resins Inc.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>Monsanto Co.</i> <i>Neste Resins Corp.</i> <i>P.D. George Co.</i> <i>Perstorp Compounds, Inc.</i> <i>Pioneer Plastics Corp.</i> <i>Plastics Engineering Co.</i> <i>Plastics Manufacturing Co.</i> <i>Reichhold Chemicals, Inc.</i> <i>Sequa Chemicals, Inc.</i> <i>Sybron Chemicals, Inc.</i>	164,868	90,601	213,305	2.35
390930	Amino-resins in primary forms, nesi	26,124	23,082	64,058	2.78
39093000	Amino-resins, nesi	26,124	23,082	64,058	2.78
	Adipic acid-diethylenetriamine-epichlorohydrin polymer <i>Company not disclosed</i>	(1)		(1)	
	N-(2-Aminoethyl)1,2-ethanediamine, polymer with formaldehyde	(1)	(1)	(1)	

See endnotes at and of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39093000 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>Lonza, Inc.</i>				
	Dimethylamine epichlorohydrin copolymer <i>CPS Chemical Co., Inc.</i>	(¹)	(¹)	(¹)	
	N,N-Dimethyl-1,3-propanediamine polymer with epichlorohydrin, sulfate <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Polyamine polymethane phosphonic acid <i>Company not disclosed</i> <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Polyethylenepolyamine polymer with 1,4-dihydroxy-2-butyne <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Polyisocyanate <i>Mameco International, Inc.</i>	(¹)	(¹)	(¹)	
	Poly(1,1'-(methylimino)bis(3-chloro-2-propanol) tetramethylethylenediamine <i>Buckman Laboratories, Inc.</i>	(¹)	(¹)	(¹)	
	Polyoxypropylene triamine <i>Texaco Chemical Co.</i>	(¹)	(¹)	(¹)	
	TPSA/polyamine condensates <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Residual Total	26,124	23,082	64,058	2.78
390940	Phenolic resins in primary forms	(¹)	(¹)	(¹)	
39094000	Phenolic resins	(¹)	(¹)	(¹)	
	Alkylphenol formaldehyde condensate, alkoxylated <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Alkylphenol formaldehyde copolymer <i>Company not disclosed</i>	(¹)	(¹)	(¹)	
	Hydrindantin <i>Pierce Chemical Co.</i>	(¹)	(¹)	(¹)	
	Phenol-formaldehyde resin (with lignite) <i>Georgia Pacific Corp., Bellingham Div.</i>	(¹)	(¹)	(¹)	
	Phenol-formaldehyde resin (with lignosite) <i>Georgia Pacific Corp., Bellingham Div.</i>	(¹)	(¹)	(¹)	
	Phenolic and other tar acid resins <i>Allied Signal Inc., Braking Systems</i> <i>Ametek, Inc., Haveg Div.</i> <i>Arizona Chemical Co.</i> <i>Ashland Chemical, Inc. (Columbus, OH)</i> <i>BTL Specialty Resin Corp.</i> <i>Borden, Inc., Packaging & Industrial Products Div.</i> <i>Capital Rem)? Corporation</i> <i>Cascade Resins, Inc.</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>Company not disclosed</i> <i>D. A. Stuart, Inc.</i> <i>Delta Resins & Refractories, Inc.</i> <i>Dexter Corp., Dexter Packaging Products</i> <i>Georgia Pacific Corp., Resins Inc.</i> <i>Guardsman Products, Inc.</i> <i>Hercules, Inc.</i> <i>Heresite Protective Coatings, Inc.</i> <i>Hoechst Celanese Corp., Sou Tex Works</i> <i>Indspec Chemical Corp.</i> <i>Insulating Materials, Inc.</i>	1,311,893	581,487	617,627	1.06

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39094000 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Lawter International, Inc.				
	Minnesota Mining & Manufacturing Co.				
	Neste Resins Corp.				
	Occidental Chemical corp., Polmers and Plastics Group				
	Owens Corning Fiberglas Corp.				
	PMC Inc., PMC Specialities Group, Inc.				
	Plastics Engineering Co.				
	Rohm & Haas Co.				
	Schenectady Chemicals, Inc.				
	Spaulding Composites Co., Industrial Plastics Div.				
	Spurlock Adhesives, Inc.				
	Union Carbide Corp., Industrial Chemicals Div.				
	Uniroyal Chemical Co., Inc.				
	United Erie, Inc.				
	Valentine Sugars, Inc.				
	West Point Pepperell, Inc., Grifftex Chem. Co.				
	Westinghouse Electric Corp., Electrical Materials Div.				
	Residual Total	(1)	1 ¹	(1)	
390950	Polyurethanes in primary forms	113,275	93,842	411,872	4.39
39096010	Polyurethanes, elastomeric, in primary forms	85,627	71,291	332,475	4.66
	Polyurethane elastomers	72,520	60,048	270,594	4.51
	Anderson Development Co.				
	Arnco				
	BASF Corp (Parsippany, NJ)				
	Caschem, Inc.				
	Conap, Inc.				
	Courtaulds Aerospace				
	Dennis Chemical Co.				
	Dexter Corp., Dexter Electronic Materials Div.				
	Dexter Corp., Dexter Packaging Products				
	Emhart Corp., Bostik Div.				
	Hercules, Inc.				
	K.J. Quinn & Co., Inc.				
	Morton International, Inc., Morton Chemical Div.				
	PPG Industries, Inc.				
	Permuthane Coatings, Inc.				
	Reichhold Chemicals, Inc.				
	Ruco Polymer Corp.				
	Schenectady Chemicals, Inc.				
	Smooth on, Inc.				
	Soluol Chemical Co., Inc.				
	Synair Corp.				
	Synthron, Inc.				
	Uniroyal Chemical Co., Inc.				
	Zeeland Corp., Hexcel Resin products division				
	Thermoplastic polyurethane elastomers	13,107	11,243	61,882	5.50
	BASF Corp (Parsippany, NJ)				
	Dow Chemical Co.				
	Eagle Picher Industries, Inc.				
	Furon Co.				
	Rogers Corp.				
39095050	Polyurethanes, other than elastomeric or cements, in primary forms	27,649	22,551	79,396	3.52
	Polyurethane resins	27,649	22,551	79,396	3.52
	BP Chemicals, Inc., Commercial Composites (filon)				
	Cargill, Inc.				
	Dexter Corp., Dexter Electronic Materials Div.				
	E.I. Dupont de Nemours & Co., Inc., Automotive Products				

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39095050 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Glidden Co.				
	Jones Blair Co.				
	Lord Corp., Chemical Products Div.				
	Olin Corp. viii, ix, xii, xiv, xv)				
	Pelron Corp.				
	Phelps Dodge Industries, Inc., Magnet Wire Co. Div.				
	Stahl, USA				
	Synair Corp.				
	W R Grace & Co., Organic Chemicals Div., Chem. & Polymers				
3910	Silicones in primary forms	(1)		(1)	
391000	Silicones in primary forms	(1)		(1)	
39100000	Silicones in primary forms	(1)	(1)	(1)	
	Polyoxyalkene silicones	(1)	(1)	(1)	
	Union Carbide Corp., Industrial Chemicals Div.				
	Silicone fluids	59,175	46,039	254,137	\$ 5.52
	Dow Corning Corp.				
	General Electric Co., Silicone Products Div.				
	Nusil Technology				
	Union Carbide Corp., Industrial Chemicals Div.				
	Wacker Silicones Corp.				
	Silicone greases	(1)	(1)	(1)	
	General Electric Co., Silicone Products Div.				
	Nusil Technology				
	Wacker Silicones Corp. ,				
	Silicone resins	1,970	1,924	16,601	8.63
	C. J. Osborn, Chemicals, Inc.				
	General Electric Co., Silicone Products Div.				
	Lilly Industries, Inc.				
	Nusil Technology				
	Pelron Corp.				
	Ruco Polymer Corp.				
	Residual Total	(1)	(1)	(1)	
3911	Petroleum resins, coumarone-indene resins, polyterpenes, polystyrenes, polystyrenes and other products specified in note 3 to this chapter, not elsewhere specified or included, in primary forms	(1)	(1)	(1)	
391110	Petroleum resins, coumarone, indene or coumarone-indene resins and polyterpenes, in primary forms	183,125	174,608	189,502	1.09
3911 1000	Petroleum resins, coumarone, indene or coumarone-indene resins and polyterpenes, in primary forms	183,125	174,608	189,502	1.09
	Petroleum hydrocarbon resins	183,125	174,608	189,502	1.09
	Arizona Chemical Co.				
	Chem fax, Inc.				
	Chemical Exchange Industries, Inc.				
	Company not disclosed				
	Company not disclosed				
	Company not disclosed				
	Eastman Kodak Co., Texas Eastman Co. Div				
	Exxon Chemical Americas				
	Goodyear Tire & Rubber Co.				
	Hercules, Inc.				
	Hoechst Celanese Corp., Sou Tex Works				
	Lawter International, Inc.				
	Neville Chemical Co.				
391190	Polysulfides, polysulfones and certain other products, nesi, in primary forms	(1)		(1)	
39119020	Thermoplastic nonelastomeric products in note 3 to Chap. 39, nesi, in primary forms, of or obtained from aromatic/mod. aromatic monomer units	57,068	52,526	255,848	4.87

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39119020 —Continued					
	Polyimides and amide-imide polymers <i>E.I. Dupont de Nemours & Co., Inc., Ed/mg Dept. General Electric Co., Speciality Chemical group P.D. George Co. Phelps Dodge Industries, Inc., Magnet Wire Co. Div. Schenectady Chemicals, Inc. Westinghouse Electric Corp., Electrical Materials Div.</i>	9,034		(¹)	
	Polyphenylene sulfide resins <i>Phillips 66 Co.</i>		(¹)	(¹)	
	Polyterpene resins <i>Arizona Chemical Co. Hercules, Inc.</i>	(1)	(1)	(1)	
	Thermoplastic resins, benzenoid, all other BASF Corp (Parsippany, NJ) BP Chemicals, Inc. <i>Company not disclosed Courtaulds Aerospace Dock Resins Corp. Ferro Corp., Keil Chemical Div. Lawter International, Inc. Mobil Oil Corp., Chemical Products Div. PMC Inc., PMC Specialities Group, Inc. Ruetgers Nease Chemical Co. Union Oil Co. of California</i>	24,058	23,319	50,596	2.17
	Residual Total	23,975	23,337	205,252	8.80
39119030 Thermosetting, nonelastomeric products in note 3 to Chap. 39, nesi, in primary forms, of or obtained from aromatic/mod. aromatic monomer units					
	Thermosetting resins, benzenoid, all other <i>Air Products & Chemicals, Inc. Akzo Coatings, Inc. Akzo Coatings, Inc. BASF Corp (Parsippany, NJ) Cargill, Inc. Company not disclosed Company not disclosed Cytec Industries Dexter Corp., Dexter Packaging Products Glidden Co. Hercules, Inc. Mount Vernon Mills, Inc. Sandoz Chemicals Corp. (Mt. Holly) Sequa Chemicals, Inc. Sybron Chemicals, Inc. Synthron, Inc.</i>	39,829	35,277	74,795	2.12
		39,829	35,277	74,795	2.12
39119050 Nonelastomeric products specified in note 3 to Chap. 39, nesi					
	Acetone-formaldehyde resins BASF Corp (Parsippany, NJ) <i>Georgia Pacific Corp., Resins Inc. N.B. Fuller Co.</i>	(¹)	(¹)	(¹)	
	Aliphatic hydrocarbon sulfides <i>Company not disclosed Elco Corp. sub. of Detrex Chemical Industries, Inc. Ferro Corp., Keil Chemical Div.</i>	(1)	(1)	(1)	
	Furfuryl type resins <i>Ametek, Inc., Havg Div.</i>	8,351	8,324	13,242	1.59

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 39119060 —Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	Capital Resin Corporation Delta Resins & Refractories, Inc. Dynachem, Inc. United Erie, Inc.				
	Poly(oxyethanediyl), oxotetradecyl hydroxyalkyl ethers Henkel Corp.	(1)	(1)	(1)	
	2,5-Pyrrolidinedione, 1-[2-hydroxy-1,1-bis(hydroxymethyl)ethyl], monopolybutenyl derivatives Mobil Oil Corp., Chemical Products Div.	(1)		(1)	
	Thermoplastic resins, nonbenzenoid, all other Mobil Oil Corp., Chemical Products Div.	(1)		(1)	
	Residual Total	(1)	(1)	(1)	
3912	Cellulose and its chemical derivatives, not elsewhere specified or included, in primary forms	(1)		(1)	
391212	Cellulose acetate, nesi, in primary forms, plasticized	(1)	(1)	(1)	
39121200	Cellulose acetate, nesi, in primary forms, plasticized		(1)	(1)	
	Cellulose acetate Eastman Kodak Co., Tennessee Eastman Co. Div.	(1)	(1)	(1)	
	Residual Total	(1)	(1)	(1)	
391231	Carboxymethylcellulose and its salts, nesi, in primary forms	38,122	(1)	(1)	
39123100	Carboxymethylcellulose and its salts, in primary forms	38,122	(1)	(1)	
	Hydroxyethylcellulose Aqua/on Co. Dow Chemical Co. Union Carbide Corp., Industrial Chemicals Div.	17,250	(1)	(1)	
	Sodium carboxymethylcellulose (100%) Aqua/on Co. Carbose Corp. Louisiana Chemical Specialties, Inc. Mak Chemical Corp. Union Carbide Corp., Industrial Chemicals Div.	20,872		(1)	
	Residual Total		(1)	(1)	
391231XX	HTS Level Residual Total		(1)	(1)	
391239	Cellulose ethers, nesi, other than carboxymethylcellulose and its salts, in primary forms		(1)	(1)	
39123900	Cellulose ethers, other than carboxymethylcellulose and its salts, in primary forms		(1)	(1)	
	Ethyl cellulose Aqua/on Co.	(1)	(1)	(1)	
	2-Hydroxypropyl cellulose Aqua/on Co.		(1)	(1)	
	Methyl cellulose Dow Chemical Co.	(1)	(1)		
	Residual Total	(1)	(1)		
391290	Cellulose and its chemical derivatives nesi, in primary forms		(1)		
39129000	Cellulose and its chemical derivatives nesi, in primary forms		(1)	(1)	
	Cellulose acetate butyrate Eastman Kodak Co., Tennessee Eastman Co. Div.	(1)	(1)	(1)	
	Cellulose acetate, for fiber use	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production		Sales		Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Kilograms	1,000 Dollars	
HTS No. 39129000 — Continued						
<i>Chemical description/Manufacturer — Continued</i>						
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>					
	Cellulose acetate propionate	(1)	(1)	(1)		
	<i>Eastman Kodak Co., Tennessee Eastman Co. Div.</i>					
	Cellulose ethers and esters, all other	(1)	(1)	(1)		
	<i>Sandoz Chemicals Corp. (Mt. Holly)</i>					
	<i>Sandoz Chemicals Corp., Colors & Chem. Div.. (Fairlawn)</i>					
	Residual Total	(1)	(1)	(1)		
3912XX	HTS Level Residual Total	(1)	(1)	(1)		
3913	Natural polymers (for example, alginic acid) and modified natural polymers (for example, hardened proteins, chemical derivatives of natural rubber), not elsewhere specified or included, in primary forms	(1)	(1)	(1)		
391390	Natural polymers and modified natural polymers, nesii, in primary forms	(1)	(1)	(1)		
39139050	Natural polymers and modified natural polymers, nesii, in primary forms	(1)	(1)	(1)		
	Chlorinated rubber, natural and synthetic	(1)	(1)	(1)		
	<i>Dow Chemical Co.</i>					
	Residual Total	(1)	(1)	(1)		
3914	Ion exchangers based on polymers of headings 3901 to 3913, in primary forms	(1)	(1)	(1)		
391400	Ion-exchangers based on polymers of headings 3901 to 3913, in primary forms	(1)	(1)	(1)		
39140000	Ion-exchangers based on polymers of headings 3901 to 3913, in primary forms	(1)	(1)	(1)		
	Styrene-divinylbenzene copolymer resins	(9)	(1)	(1)		
	<i>Rohm & Haas Co.</i>					
	<i>Sybron Chemicals, Inc.</i>					
	Residual Total	(1)	(1)	(1)		
39XX	HTS Level Residual Total	(1)	(1)	(1)		
40	Rubber and articles thereof	2,306,150	1,607,265	2,704,619		\$ 1.68
4002	Synthetic rubber and factice derived from oils, in primary forms or in plates, sheets or strip; mixtures of any product of heading 4001 with any product of this heading, in primary forms or in plates, sheets or strip	2,306,150	1,607,265	2,704,619		1.68
400211	Latex styrene-butadiene rubber (Latex SBR) and carboxylated styrene-butadiene rubber (XSBR), in primary forms, plates, sheet or strip	196,898	198,011	239,776		1.21
40021100	Styrene-butadiene rubber (SBR) or carboxylated styrene-butadiene rubber (XSBR), latex, in primary forms or in plates, sheets or strip	196,898	198,011	239,776		1.21
	Styrene-butadiene, latex type	196,898	198,011	239,776		1.21
	<i>B F Goodrich Co.</i>					
	<i>BASF Corp (Parsippany, NJ)</i>					
	<i>Gencorp Polymers Products (Magadore Plant)</i>					
	<i>Goodyear Tire & Rubber Co.</i>					
	<i>Minnesota Mining & Manufacturing Co.</i>					
	<i>W R Grace & Co., Organic Chemicals Div., Chem. & Polymers</i>					
400219	Styrene-butadiene rubber (SBR) and carboxylated styrene-butadiene rubber (XSBR), except latex, in primary forms, plates, sheet or strip	819,836	485,328	433,661		0.89
40021900	Styrene-butadiene rubber (SBR), carboxylated styrene-butadiene rubber (XSBR), except latex, in primary forms or in plates, sheets or strip	819,836	485,328	433,661		0.89
	Styrene-butadiene, dry type	819,836	485,328	433,661		0.89
	<i>Ameripol Synpol Co., Div. of Gantrade Corp.</i>					

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production	Sales		Average unit value
			Quantity	Value	
		1,000 Kilograms	1,000 Kilograms	1,000 Dollars	Per kilogram
HTS No. 40021900 — Continued					
<i>Chemical description/Manufacturer—Continued</i>					
	<i>DSM Copolymer</i>				
	<i>Dynagen, Inc., subsidiary of General Tire</i>				
	<i>Firestone Tire & Rubber Co., Synth. Rubber & Latex Co.</i>				
	<i>Goodyear Tire & Rubber Co.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
400220	Butadiene rubber (BR), in primary forms, plates, sheet or strip	490,163	270,357	261,751	0.97
40022000	Butadiene rubber (BR), in primary forms or in plates, sheets or strip	490,163	270,357	261,751	0.97
	Polybutadiene, emulsion-polymerized	13,122	11,854	13,546	1.14
	<i>Ameripol Synpol Co., Div. of Gan trade Corp.</i>				
	<i>Gencorp Polymers Products (Magadore Plant)</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	Polybutadiene, solution-polymerized	477,040	258,503	248,205	0.96
	<i>American Synthetic Rubber Corp.</i>				
	<i>Firestone Tire & Rubber Co., Synth. Rubber & Latex Co.</i>				
	<i>Goodyear Tire & Rubber Co.</i>				
	<i>Miles, Inc., Polysar Rubber Div.</i>				
	<i>Phillips 66 Co.</i>				
400231	Isobutene-isoprene (butyl) rubber (11R), in primary forms, plates, sheet or strip	(1)	(1)	(1)	
40023100	Isobutene-isoprene (butyl) rubber 111R, in primary forms or in plates, sheets or strip	(1)	(1)	(1)	
	Butyl(isobutylene-isoprene) type	(1)	(1)	(1)	
	<i>Exxon Chemical Americas</i>				
	Residual Total	(1)	(1)	(1)	
400241	Chloroprene (chlorobutadiene) rubber (CR), latex, in primary forms, plates, sheet or strip	(1)	(1)	(1)	
40024100	Chloroprene (chlorobutadiene) rubber (CR), latex, in primary forms or in plates, sheets or strip	(1)	(1)	(1)	
	Polychloroprene (Neoprene) (CR) type	(1)	(1)	(1)	
	<i>E.I. Dupont de Nemours & Co., Inc., Polymer Products</i>				
	<i>Miles, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
400259	Acrylonitrile-butadiene rubber INBRI, other than latex, in primary forms, plates, sheet or strip	(1)	(1)	(1)	
40025900	Acrylonitrile-butadiene rubber (NBR), other than latex, in primary forms or in plates, sheets or strip	(1)	(1)	(1)	
	Hydrogenated nitrile (hnbr) type	(1)	(1)	(1)	
	<i>Miles, Inc., Polysar Rubber Div.</i>				
	<i>Zeon Chemicals, Inc.</i>				
	(NBR) type	76,409	76,499	151,587	1.98
	<i>B F Goodrich Co.</i>				
	<i>DSM Copolymer</i>				
	<i>Goodyear Tire & Rubber Co.</i>				
	<i>Minnesota Mining & Manufacturing Co.</i>				
	<i>Reichhold Chemicals, Inc.</i>				
	<i>Uniroyal Chemical Co., Inc.</i>				
	<i>Zeon Chemicals, Inc.</i>				
	Residual Total	(1)	(1)	(1)	
400260	Isoprene rubber (1R), in primary forms, plates, sheet or strip	(1)	(1)	(1)	
40026000	Isoprene rubber (IR), in primary forms or in plates, sheets or strip	(1)	(1)	(1)	
	Polyisoprene (IR) type	(1)	(1)	(1)	
	<i>Goodyear Tire & Rubber Co.</i>				
	Residual Total	(1)	(1)	(1)	

See endnotes at end of table.

Table 3 — Continued
Synthetic Organic Chemicals: U.S. Production and Sales, by Harmonized Tariff Schedule classification, chemical description, and manufacturers, 1992

HTS No.	Classification /chemical description/manufacturer	Production		Sales		Average unit value
		1,000 Kilograms	1,000 Kilograms	1,000 Kilograms	1,000 Dollars	
400270	Ethylene-propylene-nonconjugated diene rubber (EPDM), in primary forms, plates, sheet or strip	271,164	231,372	432,275		\$ 1.87
40027000	Ethylene-propylene-nonconjugated diene rubber (EPDM), in primary forms or in plates, sheets or strip	271,164	231,372	432,275		1.87
	Ethylene-propylene (EP) type	271,164	231,372	432,275		1.87
	DSM Copolymer					
	EI. Dupont de Nemours & Co., Inc., Polymer Products					
	Exxon Chemical Americas.					
	Miles, Inc., Polysar Rubber Div.					
	Uniroyal Chemical Co., Inc.					
400291	Synthetic rubber and factice derived from as, in latex form, nesi, in primary forms, plates, sheet or strip	(1)	108,538	601,293		5.54
40029100	Synthetic rubber and factice derived from oils, in latex form, in primary forms or in plates, sheets or strip, nesi	(1)	108,538	601,293		5.54
	Acrylic elastomers, all other	(1)	(1)	(1)		
	Company not disclosed					
	Fluorelastomers (CFM, FKM, FFKM) type	(1)	(1)	(1)		
	E.I. Dupont de Nemours & Co., Inc., Polymer Products					
	Minnesota Mining & Manufacturing Co.					
	Polyacrylic (ACM) type elastomers	(1)	(1)	(1)		
	Zeon Chemicals, Inc.					
	Polybutadiene acrylic acid acrylonitrile terpolymer (PBAN)	(1)	(1)	(1)		
	American Synthetic Rubber Corp.					
	Polysulfide (T) type elastomers	(1)	(1)	(1)		
	Morton International, Inc., Morton Chemical Div.					
	Silicone (Q) type elastomers	54,378	39,622	367,411		9.27
	Dow Corning Corp.					
	General Electric Co., Silicone Products Div.					
	Morton International, Inc., Morton Chemical Div.					
	Nusil Technology					
	Wacker Silicones Corp.					
	Styrene-butadiene type elastomers, other	(1)	(1)	(1)		
	American Synthetic Rubber Corp.					
	Lord Corp., Chemical Products Div.					
	Styrene-butadiene-vinylpyridine	8,532	(1)	(1)		
	B F Goodrich Co.					
	Firestone Tire & Rubber Co., Synth. Rubber & Latex Co.					
	Gencorp Polymers Products (Magadore Plant)					
	Goodyear Tire & Rubber Co.					
	Residual Total	(1)	68,916	215,918		3.13
400299	Synthetic rubber and lactice derived from oils, nesi, in primary forms, plates, sheet or strip	(1)	(1)	(1)		
	Acrylonitrile-butadiene-acrylic acid	(1)	(1)	(1)		
	E.I. Dupont de Nemours & Co., Inc., Polymer Products					
	Cyclic elastomers, all other	(1)	(1)	(1)		
	Ethyl Corp.					
	Epichlorohydrin elastomers (CO, ECO) type	(1)	(1)	(1)		
	Zeon Chemicals, Inc.					
	Residual Total	(1)	(1)	(1)		
4002XX	HTS Level Residual Total	325,587	236,041	563,048		2.39
XXX)OCXXX	HTS Level Residual Total	160,391,673	126,386,350	15,260,269		0.12

† Separate statistics for this item are not published to avoid disclosure of individual company operations.

Source: Contilied from data received in response to questionnaires of the U.S. International Trade Commission.

APPENDIX A
DIRECTORY OF MANUFACTURERS

Table A-1

Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

(Names of synthetic organic chemicals manufacturers that reported production and/or sales to the U.S. International Trade Commission for 1992 are listed below alphabetically.)

<i>Name of company</i>	<i>Telephone number</i>	<i>Office address</i>
Abbott Laboratories	708.937-8343	1401 Sheridan Rd., N. Chicago, IL 600644000.
Acme Steel Co	708.849-2500	13500 S. Perry Ave., Riverdale, IL 60627.
Adco Chemical Co	201.589-0880	49 Rutherford St., Newark, NJ 07105.
Advanced Elastomer Systems, L.P.	314453-5300	540 Maryville Centre Dr., St. Louis, MO 63141.
Advanced Resins, Inc	303.245-8148	569 24 114 Rd., Grand Junction, CO. 81505.
Air Products & Chemicals, Inc	215481-4911	7201 Hamilton Blvd, Allentown, PA 18195.1501
Ajay Chemicals, Inc	404.943-6202	1400 Industry Rd., Powder Springs, GA 30073.
Ajinomoto USA, Inc	201488-1212	4020 Ajinomoto Dr., Raleigh, NC 27610.
Akzo Chemicals, Inc.	312.906-7500	P.O. Box 100, Axis, AL 36505.
Akzo Chemicals, Inc.	708.447-7990	8201 47th St., McCook, IL 60534.
Akzo Chemicals, Inc	312-906.7500	500 Jersey Ave, New Brunswick, NJ 08903.
Akzo Chemicals, Inc	312.906-7500	2153 Lockport-Olcott Rd., Burt, NY 14028.
Akzo Chemicals, Inc	713479-8411	P.O. Box 600, Deer Park, TX 77536.
Akzo Coatings, Inc	912.367-3816	P.O. Box 349, Baxley, GA 31513.
Akzo Coatings, Inc	502459-9110	4730 Crittenden Dr., Louisville, KY 40209.
Akzo Coatings, Inc	502459-9110	1313 Windsor Ave., Columbus, OH 43211.
Akzofliesins & Vehicles	708481-8900	21625 Oak St., Matteson, IL 60443.
Alco Chemical	615.629-1405	909 Mueller Dr., Chattanooga, TN 37406.
Aldrich Chemical Co., Inc	414.273-3850	1001 W. St. Paul Ave., Milwaukee, WI 53233.
Allco Chemical Corp	214.733-6841	17304 N. Preston Dr., Suite 800, TX 75252.
Allegheny Chemical Corp	814-772.3965	Gillis Ave., Ridgway, PA 15853.
Alliance Chemical, Inc	201.945-5400	Linden Ave., Ridgefield, NJ 07657.
Allied Colloids, Inc.	804.538-3700	2301 Wilroy Rd., Suffolk, VA 23434.
Allied Signal Inc:		
Braking System	518-270.0200	Tibbits Ave. & Conoes Rd., Green Island, NY 12183.
Engineered Materials Sector	2014554911	P.O. Box 1087, Morristown, NJ 07962.
Engineered Plastic Div	201455-2000	Columbia Rd. & Park Ave., Morristown, NY 07960.
Alox Corp	716.282-1295	3943 Buffalo Ave., Niagara Falls, NY 14303.
Alpha Corp. of Tennessee	901.853-2450	P.O. Box 670, Collierville, TN 38017.
Alpha Laboratories, Inc	303-758.1338	1685 S. Fairfax St., Denver, CO 80222.
Amerada Hess Corp. (Hess Oil Virgin Island Corp.)	201.750-6000	1 Hess Plaza, Woodbridge, NJ 07095-0981.
American BioSynthetics Corp	414.384-7017	710 W. National Ave., Milwaukee, WI 53204.
American Ingredients, Co	816-561.9050	3947 Broadway, Kansas City, MO 64111.
American Polymers, Inc	508-756-1010	P.O. Box 366, Oxford, MA 01540.
American Synthetic Rubber Corp	502.449-8300	4500 Campground Rd., Louisville, KY 40216.
Ameripol Synpol Co., Div. of Gantrade Corp.	216-762-4442	146 South High St. Akron, OH 44308-1493.
Ametek, Inc., Haveg Div	302.995-0400	900 Greenbank Rd., Wilmington, DE 19808.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Amoco Corp	312.856-6111	200 E. Randolph Dr., Chicago, IL 60680.0703.
Amtac Chemical Corp	213.264-3910	4100 E. Washington Blvd., Los Angeles, CA 90023.
Anaquest	608-273.0019	2005 W. Beltline Hwy., Madison, WI 53713.
Anderson Development Co	517.263-2121	1415 E. Michigan St., Adrian, MI 49221.
Angus Chemical Co	708.215-8600	1500 E. Lake Cook Rd., Buffalo Grove, IL 60062.
Anzon, Inc., Lead Div	215.531-6010	2545 Aramingo Ave., Philadelphia, PA 19125.
Apex Chemical Co	908-354.5420	200 S. First St., Elizabeth, NJ 07206.
Apollo Chemical Corp	919.226-1161	1105 Southerland St., Graham, NC 27253.
Apollo Colors, Inc	708.584-9190	3000 W. Dundee Rd., Suite 415, Northbrook, IL 60062.
Aqualon Co	302-996.2000	2711 Centerville Rd., Wilmington, DE 19850.5417.
Arcadian Corp	901.351-6500	6750 Poplar Ave., Suite 600, Memphis, TN 38138.7419.
Archer Daniels Midland Co.	217424-5200	4666 Faries Parkway, Decatur, IL 62525.1470.
Ardmore, Inc	201481-2406	29 Riverside Ave., Newark, NJ 07104.
Arenol Chemical Corp	201.526-5900	189 Meister Ave., Somerville, NJ 08876.
Aristech Chemical Corp	412433-2747	600 Grant St., Pittsburgh, PA 15230-0250.
Arizona Chemical Co	904.785-6700	1001 E. Business Hwy. 98, Panama City, FL 32401.
Armour Pharmaceutical Co	815.932-6771	P.O. Box 511, Kankakee, IL 60901.
ARNCO	213.249-7500	5141 Firestone Place, Southgate, CA 90280.
Arol Chemical Products Co, Inc	201-344-1510	649 Ferry St., Newark, NJ 07105.
Arsynco, Inc., Sub Div. of Aceto Corp	516.627-6000	One Hollow Lane, Lake Success, NY 11042-1215.
Ashland Chemical Inc	614.889-3333	P.O. Box 2219, Columbus, OH 43216.
Ashland Petroleum Co	606.329-3333	P.O. Box 391, Ashland, KY 41114.
Astor Products, Inc., Blue Arrow Div	904.783-5352	5244 Edgewood Ct., Jacksonville, FL 32205.
Atlantic Richfield Co., Arco Chemical Co.	215.359-2000	3801 West Chester Pike, Newtown Square, PA 19073.
Atlas Refinery, Inc	201.589-2002	142 Lockwood St., Newark, NJ 07105.
Auralux Corp	203.886-2616	29 Stott Ave., Norwich, CT 06360.
Ausimont USA, Inc	201.292-6250	44 Whippany Rd., Morristown, NJ 07962.
Aztec Catalyst Co	216.323-3112	555 Garden St., Elyria, OH 44035.
BASF Corp.		
Chemicals Div	201.316-2937	1255 Broad St., Clifton, NJ 07015.
B.I. Chemicals, Inc	804-862.1990	2820 N. Normandy Drive, Petersburg, VA 23805.
BIT Manufacturing, Inc	615496-3331	1 Ocoee St., Copperhill, TN 37317.
BP Chemicals, Inc	216-5864141	200 Public Square 31-N4105, Cleveland, OH 44114. 2375.
Commerical Composites	606.282-2623	7310 Turfway Rd., Suite 300, Florence, KY 41042.
BP Oil Co	419-226.2300	1150 South Metcalf St., Lima, OH 45804.
BTL Speciality Resin Corp	419.244-5856	2112 Sylvon Ave., Toledo, OH 43606.
J. T. Baker Chemical Co	908.859-2151	222 Red School Lane, Phillipsburg, NJ 08865.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Barker Fine Color, Inc.	606.261-0200	38 Elm St., Lodlov, KY 41016.
Beckman Instruments, Inc.	415.859-1510	1050 Page Mill Rd., Palo Alto, CA 94304.
Diagnostic Systems Group	619.438-9151	2470 Faraday Ave., Carlsbad, CA 92008.
Belding Heminway Co.	212.561-8300	P.O. Box 130, Hendersonville, NC 28793.
Belzak Corp.	201.773-0602	850 Bloomfield Ave., Clifton, NJ 07012.
Bethlehem Steel Corp.	215.694-7203	701 E. Third St., Bethlehem, PA 18016.
Biocraft Laboratories, Inc.	201.703-0400	12 Industrial Park, Waldwick, NJ 07463.
Bioproducts, Inc.	502.962-0700	4820 Jennings Lane, Louisville, KY 40218.
Boehme Filatex, Inc.	919.342-6631	Rt. 11 Box 5, Reidsville, NC 27320.
Boots Pharmaceuticals, Inc.	708.405-7400	300 Tristate Ctr., Suite 200, Lincolnshire, IL 600694422
Borden, Inc.:		
Packaging & Industrial Products	614.225-4400	180 E. Broad St., Columbus. OH 43215.
Div.		
Borden Chemical & Plastics	504-673.6121	Box 427, Geismar, LA 70734.
Delaware Limited Partnership		
Brin-Mont Chemicals, Inc.	919.292-0566	3921 Spring Garden St., Greensboro, NC 27407.
Bristol-Myers Squibb Co.	212.5464000	345 Park Ave., New York, NY 10154.
M. A. Bruder & Sons, Inc.	215.353-5100	52nd & Grays Ave., Philadelphia, PA 19143.
Buckman Laboratories, Inc.	901.278-0330	1256 N. McLean Blvd., Memphis, TN 38108.
Buffalo Color Corp.	716.8274500	P.O. Box 7027., Buffalo, NY 14240.
Burlington Industries, Inc.	919.379-2000	3330 W. Friendly Ave., Greensboro, NC 27406.
Burroughs Wellcome Co.	919.248-3000	3030 Cornwallis Rd., Research Triangle Park, NC 27709.
CDR Pigments & Dispersions	513.771-1900	410 Glendale Milford Rd., Cincinnati, OH 45215.
CF Industries, Inc.	708.438-9500	One Salem Lake Dr., Long Grove, IL 60047.
C.N.C. International, Inc.	401.769-6100	20 Priviledge St., Woonsocket, RI 02895.
CPS Corp.	716.366-6010	3257 Middle Rd., Dunkirk, NY 14048.
CPS Chemical Co., Inc.	908.727-3100	Old Water Works, Rd., Old Bridge, NJ 08857.
CYRO Industries	201.770-3000	100 Valley Rd., MT. Arlington, NJ 07856.
Calgene Chemical Corp.	708.675-3950	7247 N. Central Park Ave., Skokie, IL 60076.
Calgon Corp., Calgon Vestal	314.535-1390	5035 Manchester Ave., St. Louis, MO 63110.
Laboratories Div.		
Cambridge Industries of America, Inc.	201.465-4565	7.33 Amsterdam St., Newark, NJ 07103.
Cape Industries	919.341-5500	P.O. Box 327, Wilmington, NC 28402.
Capital Resin Corp.	614.445-7177	324 Daring Ave., Columbus, OH 43207.
Carbose Corp.	814-443-1611	100 Maple St., Somerset, PA 15501.
Cargill, Inc.	612.475-7634	P.O. Box 5630, Minneapolis, MN 55428.
E.R. Carpenter Chemical Co.	804.359-0800	5016 Monument Ave., Richmond, VA 23230.
Cascade Resins, Inc.	503.343-2111	P.O. Box 1989, Eugene, OR 97401.
Caschem, Inc.	201.858-7900	40 Avenue A, Bayonne, NJ 07002.
Catawba-Charlab, Inc.	704.523-4242	5046 Old Pineville Rd., Charlotte, NC 28217.
Certainteed Corp.	215.341-7000	P.O. Box 860, Valley Forge, PA 19482.
Chattem, Inc.	615.821-4571	1715 W. 38th St., Chattanooga, TN 37409.
Chemdesign Corp.	508-345-9999	99 Development Rd., Fitchburg, MA 01420.
Chemfax, Inc.	601-863-6511	10045 Three River Rd., Gulfport, MS 39502.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Chemical Exchange Industries, Inc	713.526-8291	3813 Buffalo Speedway, Houston, TX 77098.
Chemol Co	919.333-3050	2410 Randolph Ave., Greensboro, NC 27406.
Chevron Corp., Chevron Chemical Co	415.842-5500	6001 Bollinger Canyon Rd., San Ramon, CA 94583.
Ciba-Geigy Corp	914478-3131	444 Saw Mill River Rd., Ardsley, NY 10502.
Citgo Petroleum Corp	9184954000	P.O. Box 3758, Lake Charles, LA 70602.
Citgo Refining & Chemicals, Inc	512.882-8871	1801 Nuceces Bay Blvd., Corpus Christi, TX 78469.
Citizens Gas & Coke Utility	317.264-8802	3133 Southeastern Ave., Indianapolis, IN 46203.
Clark Oil & Refining Corp	314.854-9696	8182 Maryland Avenue, St. Louis, MO 63105.
Climax Performance Materials Corp	708.458-8450	7666 W. 63rd St., Summit, IL 60501.
Coastal Chem, Inc	307.637-2700	P.O. Box 1287, Cheyenne, WY 82003.
Coastal Refining & Marketing Inc	713.877-1400	Nine Greenway Plaza, Houston, TX 77046.
Colgate-Palmolive Co	212.310-2000	300 Park Ave., New York, NY 10022.
Color Chem International Corp	404.993-5500	8601 Dunwoody, #334, Atlanta, GA 30338.
Cominco Fertilizers, Inc	509.747-6111	W. 601 Riverside Ave., Spokane, WA 99201.
Conap, Inc	716-372.9650	1405 Buffalo St., Olean, NY 14760.
Concord Chemical Co., Inc	609.966-1526	17th & Federal Sts., Camden, NJ 08105.
Conoco, Inc	713.293-1000	P.O. Box 2197, Houston, TX 77252.
Cook Composites and Polymers Co.	816.391-6000	919 East 14th Ave., N. Kansas City, MO 64116.
Cookson Pigments, Inc	201-242.1800	256 Vanderpool St., Newark, NJ 07114.
Coopers Creek Chemical Corp	215-828.0375	River Rd., West Conshohocken, PA 19428.
Cosmic Plastics, Inc	805.257-3274	27939 Beale Court, Valencia, CA 91311.
Courtaulds Aerospace, Inc	818.702-8900	21800 Burbank Rd., Woodland Hills, CA 91367.
Croda, Inc	201.6444900	7 Century Dr., Parsippany, NJ 07054.
Crompton & Knowles Corp	215.775-8000	P.O. Box 341, Reading, PA 19603.
Crown Central Petroleum Corp	410.539-7400	1 N. Charles St., Baltimore, MD 21203.
Crown Metro, Inc	803.299-1331	307 Echelon Road, Donaldson Centre, Greenville, SC 29606.
Customs Resins Div. of Bemis Co., Inc.	502-826.7641	P.O. Box 46, Henderson, KY 42420.
Cyclo Products, Inc	213-582-6411	1922 E. 64th St., Los Angeles, CA 90001.
Cyprus Foote Mineral Co	215-889-9605	301 Lindenwood Dr., Suite 301, Malvern, PA 19355.
Cytec Industries, Inc	201-831.2768	5 Garrett Mountain Plaza, West Paterson, NJ 07424.
DSM Chemicals North America, Inc	708.849-6800	1 Columbia Nitrogen Rd., Augusta, GA 30903.
DSM Copolymer	504.355-5655	P.O. Box 2591, Baton Rouge, LA 70821.
Daicolor Pope, Inc	201.777-0200	33 Sixth Ave., Paterson, NJ 07524.
Dart Polymers, Inc., Sub. of Dart Container Corp.	717-656.2238	60 E. Main St., Leola, PA 17540.
Day-Glo Color Corp	216.391-7070	4515 St. Clair Ave., Cleveland, OH 44103.
Deepwater, Inc	714.751-3522	P.O. Box 17599, Irvine, CA 92713.
Degussa Corp	201.641-6100	65 Challenger Rd., Ridgefield Park, NJ 07660.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Delta Resins & Refractories, Inc	414462-1200	6263 N. Teutonia Ave., Milwaukee, WI 53209.
Deltech Corp	908.781-1100	555 Route 206, Bedminster, NJ 07921.
Dennis Chemical Co	314.771-1800	2700 Papin St., St. Louis, MO 63103.
Dexco Polymers	713.870-6352	12012 Wickchester, Suite 280, Houston, TX 77079.
Dexter Corp:		
Aerospace Material Div	415.6874201	2850 Willow Pass Road, Pittsburgh, CA 94565.
Automotive Div	603474-5541	One Dexter Dr., Seabrook, NH 03874.
Dexter Electronic Material Div	203.627-9051	211 Franklin St., Olean, NY 14760.
Dexter Chemical Corp	212.542-7700	845 Edgewater Rd., Bronx, NY 10474.
Dexter Packaging Products	708.6234200	One E. Water St., Waukegan, IL 60085.
Dial Corp	602.248-2800	2000 Aucutt Rd., Montgomery, AL 60538.
Diamond Shamrock Refining & Marketing	512.641-6800	P.O. Box 696000, San Antonio, TX 78269-6000.
Diaz Chemical Corp	716.638-6321	40 Jackson St., Holley, NY 14470.
Diversified Technology, Inc.	904.6734136	1625 State Ave., Holly Hill, FL 32117.
Dixie Chemical Co., Inc	713.863-1947	300 Jackson Hill, Houston, TX 77007.
Dock Resins Corp	908.862-2351	1512 W. Elizabeth Ave., Linden, NJ 07036.
Dominion Products, Inc	718499-3050	882 3rd Ave., Brooklyn, NY 11232.
Dover Chemical Corp. Sub. of ICC Industries, Inc.	216-343-7711	3676 Davis Rd., NW, Dover, OH 44622.
Dow Chemical Co	517.636-6125	2020 Willard H. Dow Center, Midland, MI 48674.
Dow Corning Corp	5174964000	2200 W. Salzburg Rd., Midland, MI 48686-0994.
Drexel Chemical Corp	901.7744370	2487 Pennsylvania St., Memphis, TN 38109.
Drummond Co., Inc	205.945-6301	P.O. Box 10246, Birmingham, AL 35202.
Dryden Oil Co. of New England	508.791-3201	694 Millbury St., Worcester, MA 01607.
Ducoa	618.654-2070	115 Executive Dr., Suite 104, Highland, IL 62249.
E. I. duPont de Nemours & Co., Inc	302.774-1000	1007 Market St., Wilmington, DE 19898.
Dye Specialties, Inc	201.866-9504	100 Plaza Center, Secaucus, NJ 07096.
Dynachem, Inc	217.662-2136	P.O. Box 218, Georgetown, IL 61846.
Dynagen, Inc., Sub. of General Tire	915-335.7511	2000 East Poole Rd., Odeessa, TX 79766.
EGP Fuels	713.853-5604	P.O. Box 1188, Houston, TX 77251.1188.
EMS-American Grilon, Inc	803481-9173	P.O. Box 1717, Sumter, SC 29151.
EPC Partners, Ltd	713-880.6500	P.O. Box 4324, Houston, TX 77210.
Eagle Pitcher Industries Inc	817.387-0585	P.O. Box 1389, Denton, TX 76202.
Eastern Color & Chemical Co	401.331-9000	35 Livingston St., Providence, RI 02904.
Eastman Kodak Co	716.7244000	343 State St., Rochester, NY 14650.
Tennessee Eastman Co. Div	615.229-2000	P.O. Box 511, Kingsport, TN 37662.
Texas Eastman Co. Div	903.237-5122	P.O. Box 7444, Longview, TX 75607.
East Shore Chemical Co	616.726-3106	1221 E. Barney Ave., Muskegon, MI 49443.
Elan Chemical Co	201.344-8014	268 Doremus Ave., Newark, NJ 07105.
Elco Corp. Sub. of Detrex Chemical Industries, Inc.	216.749-2605	1000 Baltline Rd., Cleveland OH 44109.
Elf Atochem North America	215.587-7000	Three Parkway, Philadelphia, PA 19102.
Fine Chemicals & Organic Peroxides Div	215.587-7000	and 1112 Lincoln Rd., Birdsboro, PA 19508. 1740 Military Rd., Buffalo, NY 14240.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Emhart Corp., Bostik Div	508.777-0100	Boston St., Middleton, MA 01949.
Empire Coke Co	205.323-2400	1927 1st Ave., N., Suite 900, Birmingham, AL 35203.
Enenco, Inc	901.684-7000	755 Crossover Lane, Suite 216, Memphis, TN 38117.
Engelhard Corp	201-632.6000	3400 Band Street, Louisville, KY 40212.
Enron Methanol Co	713.853-5604	P.O. Box 1188, Houston, TX 77251-1188.
Epsilon Products Co	215.497-8850	Post Road & Blueball Ave., Marcus Hook, PA 19061.
Esschem, Inc	215-521.3800	Governor Printz Blvd., Essington, PA 19029.
Essential Industries, Inc	414-538.1122	28391 Essential Rd., Merton, WI 53056.
Ethichem Corp	201-6844441	190 19th Ave., Paterson, NJ 07504.
Ethox Chemicals, Inc	803-277-1620	P.O. Box 5094, Station B, Greenville, SC 29606.
Ethyl Corp	804.788-5500	330 S. 4th St., Richmond, VA 23217.
Eval Company of America	708.7194610	1001 Warrenville Rd., Suite 201, Lisle, IL 60532.
Exxon Chemical Americas	713.870-6000	P.O. Box 3272, Houston, TX 77253-3272.
FMC Corp:		
Agricultural Chemical Group	215-299.6000	1735 Market St., Philadelphia, PA 19103.
Chemical Products Group	215.299-6000	1735 Market St., Philadelphia, PA 19103.
Nitro Div	215-299-6000	1735 Market St., Philadelphia, PA 19103.
Fabricolor Manufacturing Corp	201.742-3900	24-112 Van Houten St., Paterson, NJ 07509.
Fairmount Chemical Co., Inc	201.344-5790	117 Blanchard St, Newark, NJ 07105.
Farmland Industries, Inc	816-459-8000	P.O. Box 308, Lawrence, KS 66044.
	816.238-8111	1417 Lower Lake Rd., St. Joseph, MO 64502.
Ferro Corp.:		
Bedford Chemical Div	216.641-8580	7050 Krick Rd., Walton Hills, OH 44146.
Grant Chemical Div	504.654-6801	P.O. Box 263, Baton Rouge, LA 70821.
Keil Chemical Div	219.931-2630	3000 Sheffield Ave., Hammond, IN 46320.
Fiber Industries, Inc	704-357-2000	5146 Parkway Plaza Blvd., Charlotte, NC 28217.
Fina Oil & Chemical Co.,	214.750-2400	8350 N. Central Expressway, Dallas, TX 75206.
Finetex, Inc	201-7974686	P.O. Box 216, Elmwood Park, NJ 07407.
Firestone Tire & Rubber Co.:		
Firestone Fibers & Textile Co	216.379-7000	105 Winston Churchill Dr., Hopewell, VA 23860.
Firestone Synthetic Rubber & Latex Co. Div.	216.379-7495	P.O. Box 26611, Akron, OH 44319-0006.
Firmenich, Inc	609.452-1000	P.O. Box 5880, Princeton, NJ 08543.
First Chemical Corp	601.762-0870	P.O. Box 1427, Pascagoula, MS 39581.
Flambeau Paper Corp	715.762-5235	200 N. First Ave., Park Falls, WI 54552.
Fleming Laboratories, Inc	704.372-5613	2215 Thrift Rd., Charlotte, NC 28234.
Formosa Plastics Corp-Louisiana	504.356-3341	P.O. Box 271, Baton Rouge, LA 70821.
Fragrance Resources, Inc	908.264-6767	275 Clark St., Keyport, NJ 07735.
Franklin International, Inc	614-443-0241	2020 Bruck St., Columbus, OH 43207.
Freeport-McMoran Resource Partners.	504.5824000	1615 Poydras St., New Orleans, LA 70112.
H.B. Fuller Co	508.694-5421	820 Woburn St., Wilmington, MA 01887.
H.B. Fuller Co	812-645.3401	4450 Malsbary Rd., Blue Ash, OH 45242.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Furon Co	714.831-5350	Main & Orchard Sts., Mantua, OH 44255.
GFS Chemicals, Inc	614.881-5501	P.O. Box 245, Columbus, OH 43065.
Galaxie Chemical Corp	201.279-0558	26 Piercy St., Paterson, NJ 07524.
Ganes Chemicals, Inc	201.5074336	630 Broad St., Carlstadt, NJ 07072
Gaylord Chemical Corp	504.649-5464	P.O. Box 1209, Slidell, LA 70459.1209
Gencorp Polymers Products	216.8694200	165 S. Cleveland Ave., Mogadore, OH 44260.
Latex Unit.		
Genencor, International Inc	716.256-5200	4 Cambridge Place, Rochester, NY 14618.
General Electric Co.:		
Electromaterials Div	614.622-5310	1350 S. Second St., Coshocton, OH 43812.
Silicone Products Div	518.233-3377	260 Hudson River Rd., Waterford, NY 12188.
Speciality Chemicals Group	413-448-6681	One Plastic Ave., Pittsfield, MA 01201.
General Latex and Chemical Corp	617.576-8000	P.O. Box 498, Ashland, OH 44805.
P.D. George Co	314.621-5700	5200 N. Second St., St. Louis, MO 63147.
Georgia Gulf Corp:		
Houston Div	713.920-4306	3503 Pasadena Freeway, Pasadena, TX 77503.
Plaquemine Div	404.395-4500	400 Perimeter Center Terrace, Suite 595, Atlanta, GA 30348.
PVC Compound Div	404.395-4500	P.O. Box 629, Plaquemine, LA 70765-0624.
Georgia-Pacific Corp.:		
Bellingham Div	206-733.4410	P.O. Box 1236, Bellingham, WA 98227.
Resins, Inc	404-5214000	133 Peachtree St. NE., Atlanta, GA 30303.
Gillette Chemical Co	617421-7000	3500 W. 16th St., N. Chicago, IL 60064.
Givaudan Corp	201.365-8000	100 Delawanna Ave., Clifton, NJ 07014.
Glidden Company	216.344-8000	925 Euclid Ave., Cleveland OH 44115.
B. F. Goodrich Co	216447-7802	6100 Oak Tree Blvd., Cleveland, OH 44131.
Goodyear Tire & Rubber Co	216.796-2121	1144 E. Market St., Akron, OH 44316.
W. R. Grace & Co.:		
Organic Chemicals Div.	617-861-6600	55 Hayden Ave., Lexington, MA 02173.
Chemicals & Polymers Div.		
Organic Chemicals Div	617-861.6600	55 Hayden Ave., Lexington, MA 02173.
Evans Chemetics.		
Organic Chemicals Div.,	617.861-6600	55 Hayden Ave., Lexington, MA 02173.
Hampshire Chemicals Div.		
Organic Chemicals Div.,	617.861-6600	55 Hayden Ave., Lexington, MA 02173.
Nitroparaf ins.		
Grain Processing Corp	319.2644211	1600 Oregon Street, Muscatine, IA 52761-0349.
Grant Industries, Inc	201.791-6700	P.O. Box 360, Elmwood Park, NJ 07407.
Great Lakes Chemical Corp	317497-6100	U.S. Hwy. 52 NW., Lafayette, IN 47906.
Gresco, Mfg. Inc	919475-8101	216 E. Holly Hill Rd., Thomasville, NC 27360.
Grinstead Products, Inc	913.764-8100	200 Industrial Parkway Industrial Airport, KS 66031.
Grow Group, Inc	410.939-1234	1354 Old Post Rd., Havre De Grace, MD 21078.
Cello Corp Div.		
Guardsman Products, Inc	616452-5181	1350 Steele Ave. SW., Grand Rapids, MI 49507.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Gulf States Steel, Inc	205.543-6201	174 South 26th St., Gadsden AL 35904-1935.
Guth Corp	414.644-6461	P.O. Box 347, Slinger, WI 53086.
Haarmann & Reimer Corp	201.467-5600	70 Diamond Rd., Springfield, NJ 07081.
Food Ingredients Div.	219.262-6916	1127 Myrtle St., Elkhart, IN 46515.
C. P. Hall Co	708.594-5952	7300 S. Central Ave., Chicago, IL 60638.
Halocarbon Products Corp	201.282-8899	887 Kinderkamack Rd., River Edge, NJ 07661.
Harcros Chemicals, Inc	913.321-3131	5200 Speaker Rd., Kansas City, KS 66110.
Hart Products Corp	201.433-6676	173 Sussex St., Jersey City, NJ 07302.
Hatco Chemical Co	908-738.3000	King George Post Rd., Fords, NJ 08863.
Helmerich & Payne, Inc., Natural Gas Odorizing Div.	713.424-5568	3601 Decker Dr., Baytown, TX 77522-1429.
Henkel Corp	215.270-8100	2200 Renaissance Blvd., Gulph Mills, PA 19406.
Hercules, Inc	302.594-5000	Hercules Plaza, Wilmington, DE 19894.
Heresite Protective Coating, Inc	414-684.6646	822 S. 14th St., Manitowoc, WI 54221-0250.
Heterene Chemical Corp	201.278-2000	790 - 21st Ave., Paterson, NJ 07513.
Hew, Inc	601-863.6600	14405 Seaway Rd., Gulfport, MS 39502.
Hewitt Soap Co., Inc	513.253-1151	333 Linden Ave., Dayton, OH 45403.
Hickson Danchem Corp.	804.797-8105	P.O. Box 400, Danville, VA 24543.
High Point Chemical Corp	919.884-2214	243 Woodbine St., High Point, NC 27261.
Hilton Davis Chemical Co	513.8414000	2335 Langdon Farm Rd., Cincinnati, OH 45237.
Himont, USA, Inc	302-996.6000	P.O. Box 15439, Wilmington, DE 19894.
Hoechst Celanese Corp: Fibers Industrial Div	201-231.2000	P.O. Box 5887, Spartanburg, SC 29304-5887.
Sou-Tex	201-231.2000	P.O. Box 2500, Mt. Holly, NC 28120.
SpecialtyChem Group Coventry Plant.	201.231-2000	500 Washington St., Coventry, RI 02816.
Hoffmann-LaRoche, Inc	201.235-5000	340 Kingsland St., Nutley, NJ 07110.
Honig Chemical & Processing Corp	201.344-0881	414 Wilson Ave., Newark, NJ 07105.
E. F. Houghton & Co	215.6664100	Madison & Van Buren Avenues, Forge, PA 19482.
Huls America, Inc	201-981.5000	80 Centennial Ave., Piscataway, NJ 08855-0456.
Iiumel Croton, Inc	908.754-1800	10 Harmich Rd., S. Plainfield, NJ 070804899.
Humphrey Chemical Co	201-804-3220	45 Divine St., N. Haven, CT 06473-0325.
Huntington Laboratories, Inc	219-356.8100	970 E. Tipton St., Huntington, IN 46750.
Huntsman Chemical Corp	801.532-5200	2000 Eagle Gate Tower, Salt City, UT 84111.
IBIS Limited Partnership	704.527-9000	8720 Red Oak Blvd., #401, Charlotte, NC 28224-1608.
ICI Americas, Inc: Films Group Div	302.886-3000	Concord Pike & Murphy Rd., Wilmington, DE 19897.
ICI Fluoropolymers	215.3634746	475 Creamery Way, Exton, PA 19341.

Table A-1-Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
ICI Americas, Inc.-Continued		
ICI Acrylic, Inc	314.966-3111	10091 Manchester Rd., St. Louis, MO 63122.
Polyurethanes Group	609423.8300	286 Mantua Grove Rd., W. Deptford, NJ 08066-1732.
Speciality Product Div	302.886-3000	Concord Pike & Murphy Rd., Wilmington, DE 19897.
Imitec, Inc	518.374-9101	1990 Maxon Rd., Schenectady, NY 12301.
INDSPEC Chemical Corp	412.765-1200	411 Seventh Ave., Pittsburgh, PA 15219.
ISK Biotech Corp	216.3574100	5966 Heisley Rd., Mentor, OH 44060.
ISP Chemicals, Inc	201.628-3000	P.O. Box 37, Calvert City, KY 42029.
ISP-Van Dyk, Inc	201450-3206	Main & William Sts., Belleville, NJ 07109.
ITT Rayonier Lignin Products, Inc	203.348-7000	18000 International Blvd., Suite 900, Seatac, WA 98188.
Indol Color Co., Inc	201.242-1300	1029 Newark Ave, Elizabeth, NJ 07201.
Industrial Color, Inc	815.722-7402	50 Industry Ave., Joliet, IL 60435.
Inland Steel Co	312.346-0300	3210 Watling, St., E. Chicago, IL 46312.
Inolex Chemical Co	215.271-0800	Jackson & Swanson Sts., Philadelphia, PA 19148.
Insilco Corp., Sinclair Paint Co. Div	213.888-8888	6100 South Garfield Ave., Los Angeles, CA 90040.
Insulating Materials, Inc	518.395-3300	1 Campbell Rd., Schenectady, NY 12306.
International Flavor & Fragrances Inc	908.2644500	1515 Highway #36, Union Beach, NJ 07735.
Interplastic Corp	612481-6860	1225 Walters Blvd., Vadnois Heights, MN 55110.
Wax Industries	3054914829	1900 W. Commercial Blvd., Ft. Lauderdale, FL 33309.
JTM Products, Inc	216.831-0404	9505 Cassius Ave., Cleveland, OH 44105.
James River II, Inc	804-644-5411	4th & Adams Sts., Camas, WA 98607.
Jarchem Industries, Inc	201.344-0600	414 Wilson Ave., Newark, NJ 07105.
Javelina Co	713.877-7510	Nine Greenway Plaza, Houston, TX 77046.
George A. Jeffreys & Co., Inc	703-389.8220	528 Chapman St., Salem, VA 24153.
Andrew Jergens Co	513421-1400	2535 Spring Grove Ave., Cincinnati, OH 45214.
Jetco Chemicals, Inc	903.874-9500	P.O. Box 1898, Corsicana, TX 75110.
Johnson Matthey, Inc., Materials Technology Div.	609.384-7001	2002 Nolte Dr., W. Deptford, NJ 08066.
S. C. Johnson & Son, Inc	414.631-2000	1525 Howe St., Racine, WI 53403.
Jones-Blair Co	214.353-1800	2728 Empire Central, Dallas, TX 75235
Kalama Chemical, Inc	206.682-7890	Bank of California Center, Suite 1110, Seattle, WA 98164.
Kama Corp	717455-2022	666 Dietrich Ave., Hazelton, PA 18201.
Kanasco, Ltd	410.789-7800	6118 Robinwood Rd., Baltimore, MD 21225.
Kaneka Texas Corp	713.840-1751	175 S. Briar Hollow Lane, Suite 307, Houston, TX 77027.
Karlshamns USA	614.755-9415	1530 S. Jackson St., Janesville, WI 53547.
Kelly-Moore Paint Co., Inc	415-592.8337	987 Commercial St., San Carlos, CA 94070.
Kemin Industries, Inc	515-266.2111	2100 Maury St., Des Moines, IA 50301.

Table A-1-Continued

Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Kerr-McGee Refining	713-6384700	P.O. Box 9217, Corpus Christi, TX 78469.
Keysor Century Corp	805-259.2360	P.O. Box 924, Santa Clarita, CA 91380.
Keystone Color Works, Inc	717.854-9541	151 W. Gay Ave., York, PA 17403.
Kincaid Enterprises, Inc	304.755-3377	P.O. Box 549, Nitro, WV 25143.
Koch Refining Co	316.832-5500	411 E. 37th N. Wichita, KS 67220.
Koppers Industries, Inc	412.227-2001	436 Seventh Ave., Pittsburgh, PA 15219-1800.
LCP Chemicals, Maine Div. of Hanlin Group, Inc	1.800-5264836	P.O. Box 149, Orrington, ME 04474.
LTV Steel Co., Inc	216-622.5000	LTV Steel Bldg., 25 W. Prospect Ave., Cleveland, OH 44115.
Lake States Div. of Rhineland Paper Co.	715.3694217	515 W. Davenport St., Rhineland, WI 54501.
LaRoche Chemical, Inc	504.356-8421	1200 Airline Hwy., Baton Rouge, LA 70821.
LaRoche Industries Inc	404-851.0475	1100 Johnson Ferry Rd., Alanta GA 30342.
Lawter International, Inc	7084984700	990 Skokie Blvd., Northbrook, IL 60062.
Leatex Chemical Co	215.739-6324	2722 N. Hancock St., Philadelphia, PA 19133.
C. Lever Co., Inc	215-639.8640	736 Dunks Ferry Rd., Bensalem, PA 19020-6575.
Lever Brothers Co	212-688.6000	390 Park Ave., New York, NY 10022.
Lignotech Inc.	203.625-0701	81 Holly Hill Lane, Greenwich, CT 06830.
Eli Lilly & Co	317-276.6495	Lilly Corporate Center, Indianapolis, IN 46285.
Lilly Industries, Inc	809.257-5555	Call Box 1198 - Pueblo Station, Carolina, PR 00630.1198.
Lilly Industries, Inc	317.634-8512	733 S. West St., Indianapolis, IN 46225.
Lomac, Inc	618-788.2341	5025 Evanston Ave., Muskegon, MI 49443.
Lonza, Inc	201-794-2671	17.17 Route 208, Fair Lawn, NJ 07410.
Lord Corp., Chemical Products Group.	814-868.3611	2000 W. Grandview Blvd., Erie, PA 16514.0038.
Louisiana Chemical Specialities, Inc	504.767-0452	P.O. Box 82727, Baton Rouge, LA 70884.
Lyondell Petrochemical Co	713.652-7200	1221 McKinney, Suite 1600, Houston, TX 77253-3646.
McLaughlin Gormley King Co	612.544-0341	8810. 10th Ave. N., Minneapolis, MN 554274372.
McWhorter, Inc	708428-2657	400 E. Cottage Place, Carpentersville, IL 60110.
3M Pharmaceuticals	818.341-1300	19901 Nordhoff St., Northridge, CA, 91324.
MAK Chemical Corp	317-288-4464	1200 Rochester Ave., Muncie, IN 47302.
MacKenzie Chemical Works, Inc	504-886-2000	78015 Chemical Rd., Bush, LA 70431.
Magnesium Elektron, Inc	908-782.5800	500 Point Breeze Road, Flemington, NJ 08822.
Magruder Color Co., Inc	201.242-1300	1029 Newark Ave., Elizabeth, NJ 07208.
Mallinckrodt Speciality Chemical Co	314.530-2000	3600 N. Second St., St. Louis, MO 63147 and
	919.878-2800	P.O. Box 17627, Raleigh, NC 27619.
Marathon Oil Co	419422-2121	539 S. Main St., Findlay, OH 45840.
Marlowe-Van Loan Corp	919-886.7126	1224 Ward St., High Point, NC 27260.

Table A-1--Continued

Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Mameco International, Inc	216-752.4400	4475 E. 175th Street, Cleveland, OH 44128.
Max Marx Color Corp	201-373.7801	1200 Grove St., Irvington, NJ 07111.
Mayo Chemical Co., Inc	404.696-6711	5544 Oakdale Rd. S.E., Smyrna, GA 30082.
Melamine Chemicals, Inc	504473-3121	9041 Highway 81, Donaldsonville, LA 70346.
Merck & Co., Inc	201.5744000	One Merk Drive, Whitehouse Station, NJ 08889-0100.
Merichem Co	713455-1311	1914 Haden Rd., Houston, TX 77015.
Miles Inc	412.777-2000	Mobay Rd., Pittsburgh, PA 15205-9741.
Agricultural Chemicals Div	816.242-2345	8400 Hawthorn Rd., Kansas City, MO 64120.
Dyes & Pigments Div	412.777-2000	Mobay Rd., Pittsburgh, PA 15205-9741.
Polysar Rubber Div	216.836-0451	2603 W. Market St., Akron, OH 44313.
Milliken & Co., Milliken Chemical Div	803472-9041	P.O. Box 817, Inman, SC 29349.
Minnesota Mining & Manufacturing Co.	612.733-1110	3M Center 224-6S-04, St. Paul, MN 55144.
Mississippi Chemical Corp	601.7464131	P.O. Box 388, Yazoo City, MS 39194.
Mobil Oil Corp.:		
Beaumont Refinery Div	703-846.3000	3225 Gallows Rd., Fairfax, VA 22037.
Chemical Products Div	201.321-6000	P.O. Box 3140, Edison, NJ 08818.
Gas Liquids Dept	703-849.3000	P.O. Box 900, Dallas, TX 75221.
Petrochemicals Div	713-590.7700	World Towers One, 15600 Kennedy Blvd., Houston, TX 77032.
Mona Industries, Inc	201-345.8220	76 E. 24th St., Paterson, NJ 07544.
Monsanto Co	314.694-8039	800 N. Lindbergh Blvd., St. Louis, MO 63167.
Monsanto Agricultural Group	314.694-8039	800 N. Lindbergh Blvd., St. Louis, MO 63167.
Mooney Chemicals, Inc	216.781-8383	2301 Scranton Rd., Cleveland, OH 44113.
Moretex Chemical Products, Inc	803.583-8441	314 W. Henry St., Spartanburg, SC 29301.
Morilex, Inc	919.292-1781	2110 High Point Rd., Greensboro, NC 27403.
Morton International, Inc.	508.774-3100	150 Andover St., Danvers, MA 01923.
Morton Chemical Div.	312.807-2000	100 N. Riverside Plaza, Chicago, IL 60606.
Morton Chemical Div	312-807.2000	130 Montain Creek Church Rd., Greenville, SC 29602.
Speciality Chemicals Products	513.733-2100	2000 West St., Reading, OH 45215.
Mot omco, Ltd	608-244-2904	3699 Kinsman Blvd., Madison, WI 53704.
Mount Vernon Mills, Inc	803-2334151	One Shaffer Place, Suite 700, Greenville, SC 29602.
The Murphy-Phoenix Co	216.248-2411	P.O. Box 39670, Solon, OH 44139.
NAMICO, Inc	215482-6600	4601 Flat Rock Rd., Philadelphia, PA 19127.
Napp Chemicals, Inc	201.773-3900	199 Main St., Lodi, NJ 07644.
National Casein Co	312.846-7300	601 W. 80th St., Chicago, IL 60620.
National Casein of New Jersey	312.846-7300	601 W. 80th St., Chicago, IL 60620.
National Starch & Chemical Corp	201.685-5000	10 Finderne Ave., Bridgewater, NJ 08807.
National Steel Corp., Great Lakes Div.	313.297-2100	1 Quality Dr., Ecorse, MI 48229.
Neste Resins Corp.	503.687-8840	1600 Valley River, Suite 390, Eugene, OR 97401.
Neville Chemical Co	412.3314200	2800 Neville Rd., Pittsburgh, PA 15225.
New Boston Coke Corp	6144564154	600 River Ave., New Boston, OH 45662.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
New Mexico Adhesives	505425-5932	780 Airport Rd., Las Vegas, NM 87701.
Niacet Corp	716.285-1474	400 - 47th St., Niagara Falls, NY 14304.
Niklor Chemical Co., Inc	213.830-2253	2060 E. 220th St., Long Beach, CA 90810.
Niles Chemical Paint Co	616.683-3377	P.O. Box 307, Niles, MI 49120.
The Norac Co., Inc	818.334-2908	405 S. Motor Ave., Azusa, CA 91702.
NOR-AM Chemical Co	302.892-3000	2711 Centerville Road, Wilmington, DE 19810.
Northwestern Flavors, Inc.	708.231-6111	120 N. Aurora St., W. Chicago, IL 60185.
Novacor Chemicals, Inc	508.537-1111	690 Mechanic St, Leominster, MA 01453.
Novo Nordisk Biochem, Inc	919.494-2014	State Road 1003, Franklinton, NC 27525.
Nusil Technology	805.684-8780	1040 Cindy Lane, Carpinteria, CA 93013.
The Nutrasweet Co	708.940-9800	1751 Lake Cook Rd., Deerfield, IL 60015.
Nylon Corp. of America	603.627-5150	333 Sundial Ave., Manchester, NH 03103.
Occidental Chemical Corp.:		
ED & S Div	214404.3300	5005 LBJ Freeway, Dallas, TX 75244.
Polymers-Plastic Group	214404-3800	5005 LBJ Freeway, Dallas, TX 75244.
Olin Corp	203.356-2000	120 Long Ridge Rd., Stamford, CT 06904.
Omega Chemicals, Inc	803-582.5346	P.O. Box 1723, Spartanburg, SC 29304
Organics'LaGrange, Inc	312.764-6700	7125 N. Clark St., Chicago, IL 60626.
Orient Chemical Corp	908.3554010	121 Tyler St., Port Newark, NJ 07114.
Original Bradford Soap Works, Inc	401.821-2141	200 Providence St., W. Warwick, RI 02893.
C. J. Osborn Chemicals, Inc	609.662-0128	820 Sherman Ave., Pennsauken, NJ 08110.
Owens-Corning Fiberglas Corp	419.248-8000	Fiberglas Tower, Toledo, OH 43659.
Oxy Petrochemicals, Inc	713.623-2246	P.O. Box 809050, Dallas, TX 75380.
PBI-Gordon Corp	8164214070	1217 W. 12th St., Kansas City, MO 64101-1407.
PCI, Inc	606.836-3660	266 W. Mitchell Ave., Cincinnati, OH 45232.
PCR, Inc	904-376-8246	P.O. Box 1466, Gainesville, FL 32609.
PD Glycol	409.8384521	P.O. Box 3785, Beaumont, TX 77704.
PMC Inc., PMC Specialities Group, Inc.	216-356.0700	20525 Center Ridge Rd, Rocky River, OH 44116.
PMP Fermentation Products, Inc	708.928-0050	9525 W. Bryn Mawr Ave., Suite 725, Rosemont, IL 60018.
PPG Industries, Inc	412434-3131	One PPG Place, Pittsburgh, PA 15272.
Packaging Corp. of America	818.968-3801	14505 Proctor Ave., Industry, CA 91749.
Para-Chem Southern, Inc	803.967-7691	P.O. Box 127, Simpsonville, SC 29681.
Parish Chemical Co	801-226.2018	145 N. Geneva Rd., Vineyard, UT 84058.
Parke-Davis Div., of Warner Lambert, Inc.	201.540-2000	188 Howard Ave., Holland, MI 49424.
Passaic Color & Chemical Co	201.279-0400	28.36 Paterson St., Paterson, NJ 07501.
Div. of Royce Associates, ALP.		
C. H. Patrick & Co., Inc	803.2444831	P.O. Box 2526, Greenville, SC 29602.
Paxon Polymer Co., Inc	504.7754330	P.O. Box 53006, Baton Rouge, LA 70807.
Pelron Corp	708.442-9100	7847 W. 47th St., Lyons, IL 60534.
Penick Corp	201.621-2804	158 Mount Olive Ave., Newark NJ 07714
Penzoil Products Co., Penreco Div	713.337-1534	P.O. Drawer C, Dickinson, TX 77539.
Permuthane Coatings, Inc	508.531-1880	13 Corwin St., Peabody, MA 01960.
Perstorp Compounds, Inc	413.584-2472	238 Nonotuck St., Florence, MA 01060.
Perstorp Polyols, Inc	419.729-5448	600 Matzinger Rd., Toledo, OH 43612.
Pfanstiehl Laboratories, Inc	708.623-0370	1219 Glen Rock Ave., Waukegan, IL 60085.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Pfister Chemical, Inc	201.945-5400	Linden Ave., Ridgefield, NJ 07657.
Pfizer, Inc	212.573-2323	235 E. 42nd St., New York, NY 10017.
Pfizer Pharmaceuticals, Inc	809.8464300	P.O. Box 628, Barceloneta, PR 00617.
Pharmachem Corp	215-8674654	719 Stefko Blvd., Bethlehem, PA 18016.1035.
Pharmacia P-L Biochemicals, Inc	414.227-3600	2202 N. Bartlett Ave., Milwaukee, WI 53202.
Phelps Dodge Industries, Inc	219.458-4444	4300 New Haven Ave., Fort Wayne, IN 46803.
Phelps Dodge Magnet Wire Co.		
Phibro Refining	203.6614770	P.O. Box 5038, Houston, TX 77262-5038.
Phillips 66 Co	918-661.6600	Phillips Bldg., Bartlesville, OK 74004.
Phillips Paraxylene, Inc	809.884-1515	P.O. Box 1162, Guayama, PR 00655.
Phillips Puerto Rico Core, Inc	809.884-1515	P.O. Box 1166, Guayama, PR 00655.
Phthalchem, Inc	513.681-0099	266 W. Mitchell Ave., Cincinnati, OH 45232.
Piedmont Chemical Industries, Inc	919.885-5131	P.O. Box 2728, High Point, NC 27261.
Pierce Chemical Co	815-968-0747	3747 N. Meridan Rd., Rockford, IL 61103.
Pilot Chemical Co	213.723-0036	11756 Burke St., Santa Fe Springs, CA 90670.
Pioneer Plastics Corp	207-784-9111	1 Pionite Rd., Auburn, ME 04210.
Pittman-Moore, Inc	812.232-0121	1401 S. 3rd St., Terre Haute, IN 47808.
Plaskolite, Inc	614.294-3281	P.O. Box 1497, Columbus, OH 43216.
Plaslok Corp	716.681-7755	3155 Broadway, Buffalo, NY 14227.
Plastics Engineering Co	414.458-2121	3518 Lakeshore Rd., Sheboygan, WI 53081.
Plastics Manufacturing Co	214.330-8671	2700 S. Westmoreland, Dallas, TX 75233.
Poly Organix, Inc	508.462-5555	9 Opportunity Way, Newburyport, MA 01950.
Pratt & Lambert, Inc	716.873-6000	P.O. Box 22, Buffalo, NY 14240.
Procter & Gamble Co., Procter &	513.627-6386	Spring Grove & June St., St. Bernard, OH 45217.
Gamble Mfg. Co.		
Procter & Gamble Pharmaceuticals, Inc	607.335-2049	17 Eaton Avenue, Norwich, NY 13815.
QO Chemicals, Inc	317497-6110	2801 Kent Ave., W. Lafayette, IN 47906.
Quaker Chemical Corp	215.8284250	Elm & Lee Sts., Conshohocken, PA 19428.0809.
Quaker Oats Co	312.222-7111	321 N. Clark St., Chicago, IL 60610.
Quantum Chemical Corp., USI Div.	513.530-6500	11500 Northlake Dr., Cincinnati, OH 45249.
K. J. Quinn & Co., Inc	603474-7177	135 Folly Mill Rd., Seabrook, NH 03874.
R-M Industries, Inc	803.548-3210	2300 Banks St. Extension, Fort Mill, SC 29715.
RPM, American Emulsions Co., Inc	404.226-7028	1202 Dozier St., Dalton, GA 30721.
RSA Corp	914.693-1818	690 Saw Mill River Rd., Ardsley, NY 10502.
Ranbar Technology, Inc	412486-1111	1114 William Flinn Highway, Glenshaw, PA 15116.
Regis Chemical Co	708.967-6000	8210 Austin Ave., Morton Grove, IL 60053.
Reichhold Chemicals, Inc	919.990-7684	800 Calitola Dr., Research Triangle Park, Durham, NC 27713.
Reilly Industries, Inc	317.247-8141	1510 Market Square Center, Indianapolis, IN 46204.
Reilly-Whiteman, Inc	215.828-3800	801 Washington St., Conshohocken, PA 19428.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Rexene Products Co	214450.9000	5005 LBJ Freeway, Occidental Tower, Dallas, TX 75244.
Rhone-Poulenc, Inc	201.821-1001 608-297.0100	CN 5266, Princeton, NJ 08543.5266 and 275 Keystone Dr., Bethlehem, PA 18017.
Ricon Resins, Inc	303-245.8148	569 24.114 Road, Grand Junction, CO 81505.
Riverdale Chemical Co	708-754-3330	220 E. 17th St., Chicago Heights, IL 60411-3699.
Riverdale Industries, Inc	708-597.7990	13601 S. Ashland Ave., Riverdale, IL 60627-1099.
Rogers Corp	203.774-9605	One Technology Dr., Rogers, CT 06263.
Rohm & Haas Co	215.592-3000	Independence Mall West., Philadelphia, PA 19105.
Rohm Tech, Inc	508.342-5831	83 Authority Dr., Fitchburg, MA 01420.
Roma Color, Inc	617.676-3481	749 Quequechan St., Fall River, MA 02723.
Roquette Corp	708-249.5950	1550 Northwestern Ave., Gurnee, IL 60031-2392.
Rubicon, Inc	504-673.6141	P.O. Box 517, Geismar, LA 70734.
Ruco Polymer Corp	516.931-8104	New South Rd., Hicksville, NY 11802.
Ruetgers-Nease Chemical Co	814.238-2424	201 Struble Rd., State College, PA 16801.
SBS Products Inc	517.7994941	302 Waller St., Saginaw, MI 48602.
SCM Corp., Gliidco Organics	904.768-5800	P.O. Box 389, Jacksonville, FL 32201.
SSC Industries, Inc	404-762.9651	1550 E. Taylor Ave., East Point, GA 30344.
Safeway, Inc	510-632.7373	1100 77th Ave., Oakland, CA 94621.
St. Croix Petrochemical Corp	809-778.6450	P.O. Box 6801, Sunny Isle, St. Croix, U.S. VI 00823-6801.
Salsbury Chemicals, Inc	515.257-1000	2002 Rockport Rd., Charles City, LA 50616.
Sandoz Chemical Corp.:		
Sandoz Agro, Inc	708.699-1616	1300 E. Touity Ave., Des Plaines, II 60018.
Sandoz Chemical Corp	704.331-7016	4000 Monroe Rd., Charlotte, NC 28205.
Schenectady Chemicals, Inc	518.3704200	Congress & 10th Ave., Schenectady, NY 12306.
Scher Chemicals, Inc	201471-1300	Industrial West, Clifton, NJ 07012.
Schering Corp	201-2984000	1011 Morris Ave., Union, NJ 07081.
Scientific Protein Laboratories	608-849-5944	700 E. Main St., Waunakee, WI 53597.
Scott Polymers, Inc	817.831-3541	3607 N. Sylvania Ave., Fort Worth, TX 76111.
G. D. Searle & Co	708.982-7000	5200 Old Orchard Rd., Skokie, IL 60077.
Sequa Chemicals, Inc	803.385-5181	P.O. Box 70, Chester, SC 29706.
Shakespeare Monofilament Div	803.754-7011	6111 Shakespeare Rd., Columbia, SC 29223.
Shell Oil Co	713-241.9548	P.O. Box 3105, Houston, TX 77253.
Shell Chemical Co	713.241-9548	P.O. Box 3105, Houston, TX 77253.
Shepherd Chemical Co	513.731-1110	4900 Beech St., Cincinnati, OH 45212.
Sherex Chemical Co., Inc	614-764-6500	5777 Frantz Rd., Dublin, OH 43017.
Shintech, Inc	713.965-0713	24 Greenway Plaza, Suite 811, Houston, TX 77046.
J. R. Simplot Co	208.338-2110	P.O. Box 912 Pocatello, ID 83204.
Sloss Industries Inc	205.254-7801	3500 N. 35th Ave., Birmingham, AL 35207.

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
SmithKline Beecham Pharmaceuticals	908469-5200	101 Possumtown Rd., Piscataway, NJ 08854.
Smooth-On, Inc	908.647-5800	1000 Valley Rd., Gillette, NJ 07933.
Soluol Chemical Co., Inc	401.821-8100	Green Hill & Market Sts., W. Warwick, P.O. Box 1000, Deer Park, TX 77536.
Solvay Polymers, Inc.	713-522.1781	815-D Virginia St., Lenoir, NC 28645.
Southeastern Adhesives	704-754-3493	1510 Denton Rd., Thomasville, NC 27360.
Southern Resin, Inc	919475-1348	310 Wheeler St., Tonawanda, NY 14150.
Spaulding Composites Co Industrial Plastics Div.	716.692-2000	
SpecialtyChem Products Corp	715.735-9033	2 Stanton St., Marinette, WI 54143.
Specialty Organics, Inc	818.962-2008	5623 N. 4th St., Irwindale, CA 91706.
Spectrachem Corp	201.595-8181	200 Sheridan Ave., Paterson, NJ 07512.
Spurlock Adhesives, Inc	804.834-3113	Route 460 E, Waverly, VA 23890.
Stahl, USA	508.531-0371	13 Corwin St., Peabody, MA 01960.
Stamford Chemicals Corp	203-325.2531	66 Viaduct Rd., Stamford, CT 06906.
Standard Chlorine of Delaware, Inc	201.997-1700	1035 Belleville Turnpike, Kearny, NJ 07032.
Stepan Co	708-446-7500	22 West Frontage Rd., Northfield, IL 60093.
Sterling Chemicals, Inc	713-650.3700	1200 Smith, Suite 1900, Texas City, TX 77592.1311.
Sterling Drug, Inc	212.907-2000	P.O. Box 11247, Barcelonita, PR 00617.
Sterling Organics Div	518-445-8631	33 Riverside Ave., Rensselaer, NY 12144.
Stockhausen, Inc	919.333-3500	2408 Doyle St., Greensboro, NC 27406.
D.A. Stuart Co	708.655-4595	7575 Plaza Court, Willowbrook, IL 60521
Sun Company, Inc	215.977-6358	1801 Market St., Philadelphia, PA 19103.
Sun Chemical Corp., Pigments Div	212.986-5500	411 Sun Ave., Cincinnati, OH 45232.
Surface Coatings, Inc	617-9334200	100 Eames St., Wilmington, MA 01887.
Sybron Chemical, Inc	609.893-1100	Birmingham Rd., Birmingham, NJ 08011.
Synair Corp	615.698-8801	2003 Amnicola Hwy., Chattanooga, TN 37406.
Synalloy Corp., Blackman Uhler Chemical Div.	803.585-3661	Croft Industrial Park, Spartanburg, SC 29304.
Synray Corp	201.245-2600	209 N. Michigan Ave., Kenilworth, NJ 07033.
Syntex Agribusiness, Inc	417.866-7291	P.O. Box 1246, Springfield, MO 65801.
Synthetic Products Co	216.531-6010	1000 Wayside Rd., Cleveland, OH 44110.
Synthron, Inc	704437.8611	P.O. Box 1111, Morganton, NC 28655.
Takeda Chemical Products USA, Inc	919.782-8666	P.O. Box 2577, Wilmington, NC 28402.
Teknor Apex Co	401.725-8000	505 Central Ave., Pawtucket, RI 02861.
Terra International, Inc	712.277-1340	Terra Centre, 600 - 4th St., Sioux City, IA 51101 and
	712.277-1340	1000 Terra Dr., Woodward, OK 73801.
Texaco Chemical Co	713432-3734	3040 Post Oak Rd., Houston, TX 77056.
Texas Petrochemicals Corp	713477-9211	8600 Park Place Blvd., Houston, TX 77017.
Tonawanda Coke Corp	716.876-8222	3875 River Rd., Tonawanda, NY 14150.
Triad Chemical	504473-9231	39041 Highway 18 West, Donaldsonville, LA 70346.
Toray Plastics Americas, Inc	401.294-1550	21 Cripe St., N. Kingstown, RI 02852.
Trimet Technical Products, Inc	708.615-3700	2409 N. Cedar Crest Blvd., Allentown, PA 18104.
Troy Chemical Corp	201.589-2500	One Avenue L, Newark, NJ 07105.
Tull Chemical Co., Inc	205.831-3845	130 Burton St., Oxford, AL 36203.
Twin Lake Chemical, Inc	716433.3824	520 Mill St., Lockport, NY 14095.

Table A-1--Continued

Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
UOP, Inc	312.391-2000	25 E. Algonguin Road, Des Plaines, IL 60017-5017.
Paul Uhlich & Co., Inc	914478-2000	1 Railroad Ave., Hastings-on-Hudson, NY 10706.
Ultraform Co	205443-1600	Theodore Industrial Park, Theodore, AL 36582.
Unichema North America	312-376.9000	4650 S. Racine Ave., Chicago, IL 60609.
Union Camp Corp.:		
BBA Div	201-628.2000	1600 Valley Rd., Wayne, NJ 07470.
Chemical Div	201.628-9000	1600 Valley Rd., Wayne, NJ 07470.
Union Carbide Corp.,	304.747-3825	P.O. Box 8361, Charleston, WV 25303.
Union Oil Co. of California	213-977.7746	1201 W. Fifth St., Los Angeles, CA 90017.
Union Texas Products Corp	713.623-6544	1330 Post Oak Blvd. Houston TX 77252-2120.
Uniroyal Chemical Co., Inc	203-573-2000	Benson Rd., Middlebury, CT 06749
United Aniline Co	617-7624057	Endicott St., Norwood, MA 02062.
United Color Manufacturing, Inc.	215.860-2165	638 Newtown-Yardley Rd., Suite 1 E, Newton, PA 18940.
United Erie, Inc	814456-7561	438 Huron St., Erie, PA 16502.
U.S. Steel, Div. Of USX:		
Clairton Plant	4124334980	600 Grant St., Pittsburgh, PA 15219.
Gary Works	219.8884657	1 N Broadway, Gary, IN 46402.
Unitex Chemical Corp	919.378-0985	520 Broome Rd., Greensboro, NC 27406.
The Upjohn Co	616.3234000	7000 Portage Rd., Kalamazoo, MI 49001.
Fine Chemicals	203.281-2700	41 Styles Lane, North Haven, CT 06473.
Valentine Sugars, Inc	504-532-2541	129 Valentine Dr., Lockport, LA 70374.
Valero Refining & Marketing Co	512-246-2000	530 McCullough Ave., San Antonio, TX 78292.
Vanchem, Inc	716433-6784	1 N. Transit Rd., Lockport, NY 14094.
VanDeMark Chemical Co., Inc	716433-6784	1 N. Transit Rd., Lockport, NY 14094.
Vanderbilt Chemical Corp	203.744-3900	31 Taylor Ave., Bethel, CT 06801.
	203.853-1400	and Rt. #2, Box 54, Murray, KY 42071.
Velsicol Chemical Corp	708.635-3400	10400 W. Higgins Rd., Rosemont, IL 60018.
Vineland Chemical Co., Inc	609.691-3535	1611 Wheat Rd., Vineland, NJ 08360.
Vinings Industries, Inc	404436.1542	3950 Cumberland Pkwy., Atlanta, GA 303394501.
Virkler Co	704.588-8500	12345 Steele Creek Rd., Charlotte, NC 28273.
Vista Chemical Co	713-588.3000	900 Threadneedle, Houston, TX 77079.
Vitamins, Inc	312-861.0700	200 E. Randolph Dr., Chicago, IL 60601.
Vulcan Materials Co., Chemicals Div	205.877-3000	P.O. Box 530390, Birmingham, AL 35233.
Vygen Corporation	216.998-1120	2425 Middle Road, Ashtabula, OH 44004.
Wacker Silicones Corp	517.264-8500	3301 Sutton Rd., Adrian, MI 49221.
Warner-Jenkinson Co	314.889-7600	2526 Baldwin St., St. Louis, MO 63106.
Warner-Jenkinson Cosmetic Colors	908-7574500	155 Helen St., S. Plainfield, NJ 07080.
Westinghouse Electric Corp.,	412.864-8200	Route 993, Manor, PA 15665.
Electrical Materials Div.		
Westlake Group	713.960-9111	Westlake Center, 2801 Post Oak Blvd., Houston, TX 77056.
WestPoint Pepperell, Inc	404.6454000	1900 Cunningham Dr., Opelika, AL 36801.
Grifftex Chemical Co. Sub.		

Table A-1--Continued
 Synthetic organic chemicals alphabetical directory of manufacturers, by company, 1992

Name of company	Telephone number	Office address
Westvaco Corp	212.688-5000	299 Park Ave., NY, NY 10171.
Wheeling-Pittsburgh Steel Corp	304.234-2400	1134 Market St., Wheeling, WV 26003.
Whittemore-Wright Co., Inc	617-242.1180	62 Alford St., Charlestown, MA 02129.
Wil•Gro Fertilizer, Inc	918.825-3383	P.O. Box 429, Pryor, OK 74361.
Witco Corp	201.573-2800	155 Tice Blvd., Woodcliff Lake, NJ 07675.
Wright Chemical Corp	919.251-0234	102 Orange St., Wilmington, NC 28401.
Wyckoff Chemical Co., Inc	616.637-8474	1421 Kalamazoo St., S. Haven, MI 49090.
Wyeth Laboratories, Inc., Wyeth	215.341-3867	P.O. Box 13745, Philadelphia, PA 19101-3745.
Ayerst Laboratories Div. of American Home Products Corp.		
Yorkshire Pat-Chem, Inc	803-233.3941	11 Worley Rd., Greenville, SC 29602.
Zeeland Chemicals, Inc	510-8284200	215 N. Centennial St., Zeeland, MI 49464.
Resin Products Division	818-882-3022	20701 Nordhoff St., Chatsworth, CA 91311.
Zeneca Resins, Resin Div	508.658-6600	730 Main Street, Wilmington, MA 01887.
Zeon Chemicals, Inc	708437-9770	3 Continental Towers, Suite 1012, 1701 Gulf Road, Rolling Meadows, IL 60008.

Source: Compiled from data received in response to questionnaires of the U.S. International Trade Commission.

APPENDIX B
ALPHABETICAL CHEMICAL INDEX

Appendix B
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>I-1 TS No.</i>
Accelerators, activators, and vulcanizing agents, acyclic, other	38121050
Accelerators, activators, and vulcanizing agents, cyclic, other	38121010
Acetaldehyde	29121200
Acetaldehyde dimethylhydrazone	29280050
Acetal resins	39071000
Acetamidoethanol (N-Acetyl-ethanolamine)	29241050
Acetaminophen	29242939
Acetic acid, amides with polyalkylene polyamines, salt	34021250
Acetic acid, synthetic (100%)	29152100
Acetic anhydride, other than recovered acetic anhydride the vapor-phase process (100%)	29152400
Acetoacetanilide	29242145
o-Acetoacetanilide	29242911
Acetoacetylde yellows, all others	32041750
o-Acetoacetotoluidide	29242911
2', 4'-Acetoacetoxylidide	29242911
Acetohexamide	29350039
1'-Acetonaphthone	29145020
2'-Acetonaphthone (fl-Methyl naphthyl ketone)	29143000
Acetone	29141110
Acetone-formaldehyde resins	39119050
Acetonitrile	29269050
3-(a-Acetylbenzyl)-4-hydroxycoumarin (Warfarin)	29322910
Acetophenone, tech.	29143000
p-Acetotoluidide	29242950
1-Acetoxy-2-sec-butyl- 1-et henylcyclo hexane	29123050
6-Acetoxy-2,4-dimethyl-1,3-dioxane	29329050
Acetylacetonates, all other	29310050
Acetyl cedrene (Vertoflex)	29153945
Acetylene (For chemical use only)	29012910
Acetyl furan	29321950
N-Acetyl methyl anthranilate	29159018
2-Acetylpyridine	29333947
Acid Black 1	32041240
Acid Black 2	32041240
Acid Black 52	32041240
Acid Black 60	32041240
Acid Black 63	32041220
Acid Black 92	32041240
Acid Black 107	32041240
Acid Black 172	32041240
Acid Black 194	32041220
Acid Black 210	32041240
Acid black dyes, all other	32041220
Acid Blue 9	32041240
Acid Blue 15	32041240
Acid Blue 25	32041240
Acid Blue 29	32041240
Acid Blue 40	32041240
Acid Blue 41	32041240
Acid Blue 62	32041240
Acid Blue 90	32041240

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS¹ No.</i>
Acid Blue 92	32041240
Acid Blue 113	32041240
Acid Blue 145	32041240
Acid Blue 193	32041220
Acid Blue 231	32041240
Acid Blue 277	32041240
Acid Blue 281	32041250
Acid Blue 298	32041240
Acid Blue 321	32041250
Acid Blue 324	32041250
Acid blue dyes, all other	32041250
Acid Brown 14	32041240
Acid Brown 19	32041240
Acid Brown 50	32041220
Acid Brown 97	32041240
Acid Brown 98	32041240
Acid Brown 147	32041220
Acid Brown 159	32041220
Acid Brown 160	32041220
Acid Brown 161	32041220
Acid Brown 165	32041220
Acid Brown 188	32041210
Acid Brown 189	32041210
Acid Brown 239	32041220
Acid Brown 264	32041250
Acid Brown 439	32041240
Acid brown dyes, all other	32041250
Acid Green 16	32041240
Acid Green 20	32041240
Acid Green 25	32041240
Acid green dyes, all other	32041250
Acid Orange 7	32041240
Acid Orange 8	32041240
Acid Orange 10	32041240
Acid Orange 24	32041240
Acid Orange 60	32041240
Acid Orange 64	32041240
Acid Orange 89	32041220
Acid Orange 116	32041240
Acid Orange 128	32041240
Acid Orange 152	32041240
Acid Orange 156	32041240
Acid orange dyes, all other	32041250
Acid Red 1	32041240
Acid Red 4	32041240
Acid Red 14	32041240
Acid Red 33	32041240
Acid Red 57	32041220
Acid Red 73	32041240
Acid Red 87	32041240
Acid Red 88	32041240
Acid Red 119	32041240
Acid Red 151	32041240
Acid Red 182	32041240
Acid Red 226	32041220

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Acid Red 227	32041220
Acid Red 266	32041240
Acid Red 278	32041240
Acid Red 296	32041240
Acid Red 299	32041240
Acid Red 337	32041240
Acid Red 361	32041220
Acid Red 364	32041240
Acid Red 384	32041240
Acid Red 388	32041240
Acid Red 400	32041250
Acid Red 410	32041250
Acid Red 418	32041250
Acid Red 419	32041250
Acid red dyes, all other	32041250
Acids, acid anhydrides, and acyl halides, all other	29159018
Acid Violet 3	32041240
Acid Violet 7	32041240
Acid Violet 12	32041240
Acid Violet 17	32041240
Acid Violet 49	32041240
(Acid Yellow 23)	32041730
Acid Yellow 5	32041250
Acid Yellow 17	32041240
Acid Yellow 19	32041240
Acid Yellow 23	32041240
Acid Yellow 29	32041240
Acid Yellow 42	32041240
Acid Yellow 49	32041240
Acid Yellow 59	32041240
Acid Yellow 65	32041240
Acid Yellow 73	32041240
Acid Yellow 135	32041220
Acid yellow 137	32041220
Acid Yellow 151	32041240
Acid Yellow 159	32041240
Acid Yellow 199	32041220
Acid Yellow 200	32041240
Acid Yellow 219	32041240
Acid Yellow 226	32041250
Acid Yellow 239	32041250
Acid yellow dyes, all other	32041250
Aclomethasone	29372200
Acrolein (Acrylaldehyde)	29121950
Acrylamide-2-acrylamido-2-methylpropanesulfonic acid, sodium salt polymer	39069050
Acrylamide-acrylic acid copolymer, sodium salt	39069050
Acrylamide monomer	29241010
Acrylamide-trimethylaminoethyl acrylate chloride polymer	39069050
Acrylamide-trimethylaminoethyl methacrylate chloride	39069050
Acrylate-alkyd copolymer resins	39075000
Acrylic acid	29161100
Acrylic monomers	38239050
Acrylonitrile-butadiene-acrylic acid	40029900
Acrylonitrile-butadiene-styrene (ABS) terpolymer resins	39033000
Acrylonitrile, monomer	29269050

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS I No.</i>
Acyclic amphoteric surface-active agents, all other	34021950
All other acyclic flavor and perfume materials	33021020
Acyclic fungicides, all other	38082050
Acyclic herbicides	29349050
Acyclic peroxides, all other	29096050
Acyclic phosphoric acid ester plasticizers, all other	29190050
Acyclic plasticizers, all other	29159050
Acyclovir	29339070
Acylic elastomers, all other	40029100
Adipic acid	29171210
Adipic acid, ammonium salt	29171250
Adipic acid-crosslinked polycrylamide	39069050
Adipic acid-diethylenetriamine-epichlorohydrin polymer	39093000
Adipic acid esters, all others	29171220
Adipic acid type complex linear polyesters and polymeric plasticizers	29171220
Adipic dihydrazide	29171250
Adiponitrile	29269050
fl-Alanine-N-(2-hydroxyethyl)-N-12(1-oxococoyl)aminoethyl, sodiumsalt	34021250
Albumin	30019000
albuterol sulfate	29225013
Alcohol mixtures, other	38239050
Alcohol mixtures, C-11 or lower only	38239050
Alcohol mixtures, C-12 through C-18 only	38239050
Alcohols and phenols, alkoxylated and phosphated or polyphosphated, all other	34021 150
Alcohols and phenols, sulfated, all other	34021150
Alcohols, unmixed C12 or higher, all other	29051900
Alcohols, unmixed C ₁₁ or lower, all other)	29051900
Aldadiene	29420020
Aldehyde and acetone-amine reaction products, cyclic, other	38121050
Aldehyde-amine reaction products, cyclic, other	38121050
Aldehydes, acyclic, all other	29121950
Aliphatic hydrocarbon sulfides	39119050
Alkanolamine condensates, all other	34021350
Alkenyl succinimide	29251950
3-Alkoxy-2-hydroxypropyl trimethyl ammonium chloride	29239000
Alkyd copolymers, all other	39075000
t-Alkylamines, primary, mixed	38239050
Alkyl amino alkoxy alkanol	29225050
Alkyl aromatics: all other	29029030
Alkylaryl-p-phenylenediamines	38123040
Alkylaryl phosphites mixed	38123040
N-Alkyl-aspartic acid, diester	34021250
Alkylbenzene straight-chain (Except dodecyl and tridecyl)	29029030
t-a-Alkylcarboxylic acid salts (Isocarboxylic acid salts), all other	29159050
Alkyl imidazoline	29332950
N-alkyl-1-naphthylmethyl Ammonium Chloride	29239000
Alkylphenol, calcium salt	29071920
Alkylphenol, calcium salt, sulfurized	38239050
Alkylphenol formaldehyde condensate, alkoxylated	39094000
Alkylphenol-formaldehyde condensates, alkoxylated, all other	34021310
Alkylphenol formaldehyde copolymer	39094000
Alkylphenol/formaldehyde polymer	38099100
Alkyl phenols	29071920
Alkylphenols, mixed	29071920
Alkylpyridines, mixed	29333950

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Alkyl succinic anhydride	29171950
Alkyl terephthalamate	29251920
Alkynylsuccinic anhydride, mixed	29171950
Allo-ocimene	29012910
Allopurinol	29335959
Allyl alcohol	29052100
Allylamine	29211950
p-Allylanisole	29093020
Allyl cyclohexyl propionate	29093020
4-Allyl-1,2-dimethoxybenzene (4-Allylveratrole)	29123050
Allyl disulfide	29309050
Allyl heptanoate	29161950
Allyl hexanoate	29161950
Allyl methacrylate	29161400
4-Allyl-2-methoxyphenol (Eugenol)	29095040
1-(Allyloxy)-2,3-epoxypropane (Allyl glycidyl ether)	29109050
3-Allyloxy-2-hydroxypropane sulfonic acid, sodium salt	29041050
Allyl resins	39079110
Allyl sulfonate, sodium salt	29161950
Allyl ureido monomer	29241010
Alpha olefins, C ₅ -C ₁₀	29012910
Alpha olefins, C ₁₁ and higher	29012910
Alprazolam	29339065
Alprostadil	30012000
Aluminum acetate	29152900
Aluminum acetylacetonate	29310050
Aluminum [1,3-butanediolato(2)-0,01(ethyl-3-oxobutanoato-01,03-hydroxy T-4	29310050
Aluminum di-sec-butoxide acetoacetic ester chelate	29310050
Aluminum diisobutoxy ethyl acetoacetate	29310050
Aluminum diisopropoxide acetoacetic ester chelate	29310050
Aluminum distearate	29157000
Aluminum formate	29151200
Aluminum iso-octoxide, diisopropoxide	29310050
Aluminum isopropoxide (Aluminum isopropylate)	29310050
Aluminum monostearate	29157000
Aluminum octanoate	29159050
Aluminum tri-sec-butoxide	29051400
Aluminum tristearate	29157000
Amides, all other	29241010
Amides from C ₁₈	34021250
Amides from C ₁₈ unsaturated fatty acid dimers and polyhexamethylenepolyamines	34021250
Amides from C ₁₈ unsaturated fatty acid dimers and polyhexamethylenepolyamines, ethoxylated	34021250
Amiloride hydrochloride	29333937
Amine oxides and oxygen-containing amines (Except, those having amine linkages), cyclic, all other	34021250
Amine oxides and oxygen-containing amines (Except those with amide linkages), acyclic, all other	34021250
Amines, all other	29212900
Amine salts (Not containing oxygen), all other	34021250
Amine salts of fatty, rosin, and tall oil acids, all other	34021150
Amines and amine oxides having amide linkages, all other	34021250
4'-Aminoacetanilide (Acetyl-p-phenylenediamine)	29242145
3'-Amino-p-acetanilide	29242145
Amino acids and salts, acyclic, all other	29224935
Amino acids and salts, cyclic, all other	29224935
p-Aminobenzamide	29242145
o-Aminobenzenethiol	29309028

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS ¹ No.
Aminobenzoic acid	30049000
Aminobenzoic acid, potassium salt	29224925
p-Aminobenzoic acid, tech.	29224910
2-Amino-6-benzothiazolesulfonic acid	29343050
2-Amino-1-bromo-3-chloroanthraquinone	29223035
2-Amino-1-butanol	29221950
7-Aminocephalosporanic acid	29420050
1-Amino-2-chlorobenzene	29214275
5-Amino-2-chlorobenzenesulfonic acid	29214230
3-Amino-6-chloropyridazine	29339039
6-Amino-5-chloro-m-toluenesulfonic acid ISO ³ H=11 (2B Acid)	29224930
1-Amino-9,10-dihydro-9,10-dioxo-4-p-toluenesulfonamido-2-anthracenesulfonic acid, sodium salt	29420020
4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5-(4H)-one	29336900
2-Aminoethanol hydrochloride	29221100
2-Aminoethanol (Monoethanol amine) sulfite	29221100
Aminoethoxyethanol	29221950
2-(2-Aminoethylamino)ethanol (Aminoethylethanolamine)	29221950
(2-Aminoethyl)amino ethanol, reaction product with octadecanoic acid	29221950
N-Aminoethylaminopropyl trimethoxysilane	29310050
3-Amino-9-ethylcarbazole	29339039
N-(2-Aminoethyl)1,2-ethanediamine, polymer with formaldehyde	39093000
(2-Aminoethyl)ethyl(hydrogenated tallow alkyl)(2-hydroxyethyl)ammonium ethyl sulfate	34021250
2-Aminoethyl mercaptoacetate (Monoethanolamine thioglycolate)	29309050
1-(2-Aminoethyl)-2-naphthenyl-2-imidazoline	29332930
1-(2-Aminoethyl)-2-nor(tall oil alkyl)-2-imidazoline	29332950
1-(2-Aminoethyl)piperazine	29335990
2-Amino-2-ethyl-1,3-propanediol	29221950
2-Amino-2-(hydroxymethyl)-1,3-propanediol [Tris(hydroxymethyl)aminomethanol]	29221950
2-Amino-5-mercapto-1,3,4-thiadiazole	29342060
4-Amino-5-methoxy-2-methylbenzenesulfonic acid (5-methyl-o-anisidinesulfonic acid)	29222250
5-Amino-6-methoxy-2-naphthalenesulfonic acid	29222150
m-[(4-Amino-3-methoxyphenyl)azo]benzenesulfonic acid	29270050
2-Amino-2-methyl-1,3-propanediol	29221950
2-Amino-2-methyl-1-propanol	29221950
2-Amino-2-methyl-1-propanol hydrochloride	29221950
2-Amino-2-methylpropyl 8-bromotheophyllinate	29339039
2-Amino-3-methylpyridine	29333950
2-Amino-5-methylpyridine	29333950
2-Amino-6-methylpyridine	29333950
2-Amino-4-nitroacetanilide	29242145
5-Amino-2[(2-oxo-5-benzimidazolyl)amino]benzenesulfonic acid	29270050
p-Aminophenol	29222950
3-Aminophenylphosphonic acid	29310040
3-Amino-1-propanol	29221950
1-(3-Aminopropyl)morpholine	29349050
2-Aminopyridine	29333950
3-Aminopyridine	29333950
4-Aminopyridine	29333950
Aminosalicylic acid	29182110
4-Amino-m-toluenesulfonic acid [SO ₃ H =11	29214360
6-Amino-m-toluenesulfonic acid [SO ₃ H =11	29214360
4-Amino-1,2,4-triazole	29270040
4-Amino-3,5,6-trichloropicolinic acid (Picloram)	29333925
Amino-tris(methylene phosphonic acid)	34021350
Amitriptyline hydrochloride	29214920

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>NTS No.</i>
Amlodipine	29333937
Ammonium acetate	29152900
Ammonium formate	29151200
Ammonium heparin	30019000
Ammonium lactate	29181150
Ammonium mercaptoacetate	29309050
Ammonium oxalate	29171100
Ammonium oxydiethylenebis (alkyl• dimethyl chloride) •Alky1-40% C ₁₂ , 50% C ₁₄ , 10% C ₁₆	29349050
Ammonium polyacrylate	39069050
Ammonium propionate	29155050
Amobarbital, sodium	29335945
Amoxicillin (anhydrous)	29411050
Amoxicillin (trihydrate)	29411050
Amphetamine	29214935
Amphotericin B	29419010
Ampicillin (anhydrous)	29411010
Ampicillin, sodium	29411010
Ampicillin (trihydrate)	29411010
Amprolium	29335936
Amyl acetate (n-Pentyl acetate)	29153950
a-Amylase (pancreatic)	35079000
Amylases, all other	35079000
a-Amyl cinnamic aldehyde	29122950
Amyl cinnamyl alcohol	29061900
Amyl cyclohexyl acetate	29153945
Amylenes	29012910
tert-Amyl hydroperoxide	29096050
t-Amylperoxy acetate	29159050
t-Amyl peroxybenzoate	29163130
t-Amylperoxy neodecanoate	29159050
t-Amylperoxy pivalate	29159050
p-Amylphenol	29071920
Amylphenol-formaldehyde, alkoxylated	34021310
p-tert-Amylphenol sulfide (Tackifier)	29309028
Amyl vinyl carbinol	29052900
Amyris acetate	29153945
2 (and 3)-tert-Butyl-4-methoxyphenol (Butylated hydroxyanisole, or, BHA)	29095050
Anhydrosorbitol dioleate	29161950
Anhydrosorbitol esters, all other	34021350
Anhydrosorbitol glycerol monolaurate	29151950
Anhydrosorbitol monoester of tall oil acids	34021350
Anhydrosorbitol monolaurate	29151950
Anhydrosorbitol mono-oleate	29161550
Anhydrosorbitol monopalmitate	29157000
Anhydrosorbitol monostearate	29157000
Anhydrosorbitol sesquioleate	29161550
Anhydrosorbitol triester of tall oil acids	34021320
Anhydrosorbitol trioleate	29161950
Anhydrosorbitol tristearate	29157000
Aniline (Aniline oil)	29214110
Aniline, ethoxylated	29222935
Anilinomethanesulfonic acid and salt	29214230
p-Anilinophenol	29221940
Anionic surface-active agents, all other	34021150
Anisaldehyde bisulfite	29130010

See footnote at end of table.

Appendix B -- Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
o-Anisidinomethanesulfonic acid	29224935
Anisole, tech.	29093050
Anisoyl chloride	29189045
Anisyl acetate	29153920
Anthranilic acid (o-Aminobenzoic acid)	29224935
N,W-(1,5-Anthraquinonylene)dianthranilic acid	29224935
Antibiotics, for medicinal use, all other	29419010
Antifungal agents, all other	29339075
Apramycin	29412000
I-Arabinose	29400000
Arsanilic acid	29310022
Ascorbic acid	29362700
Aspartic acid	29224940
Aspirin	29182210
Atracurium besylate	29334027
Azathioprine	29309028
Azelaic acid	29171300
Azelaic acid esters, all others	29171300
Azidothymidine	29339046
2,2-Azobis(dimethyl pentane nitrile)	29270050
1,1'-Azobisformamide	29270015
2,2-Azobis(2-methyl butane nitrile)	29270050
2,2'-Azobis[2-methylpropionitrile] (Azobisisobutyronitrile)	29270040
Azoic Black 4	32041940
Azoic Black 48	32041950
Azoic black compositions, all other	32041950
Azoic Blue 3	32041940
Azoic Blue 6	32041940
Azoic Blue 20	32041950
Azoic Brown 7	32041940
Azoic Coupling Component 2	32041950
Azoic Coupling Component 4	32041950
Azoic Coupling Component 12	32041950
Azoic Coupling Component 14	32041950
Azoic Coupling Component 17	32041950
Azoic Coupling Component 18	32041950
Azoic Coupling Component 20	32041950
Azoic Coupling Component 34	32041950
Azoic Diazo Component 5, base	32041940
Azoic Diazo Component 13, base	32041940
Azoic Diazo Component 32, base	32041950
Azoic Diazo Component 1, salt	32041950
Azoic Diazo Component 5, salt	32041950
Azoic Diazo Component 8, salt	32041950
Azoic Diazo Component 9, salt	32041950
Azoic Diazo Component 10, salt	32041950
Azoic Diazo Component 12, salt	32041950
Azoic Diazo Component 13, salt	32041950
Azoic Diazo Component 34, salt	32041950
Azoic Diazo Component 44, salt	32041950
Azoic diazo components, base, all other	32041950
Azoic diazo components, salt, all other	32041950
Azoic Red 1	32041940
Azoic Red 2	32041940
Azoic Red 6	32041940

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Azoic Red 32	32041950
Azoic red compositions, all other	32041950
Azoic Violet 1	32041940
Azoic violet compositions, all other	32041950
Azoic Yellow 1	32041940
Aztreonam	29419050
Bacillus thuringiensis	38239050
Bacitracin (animal feed grade)	29419010
Bacterial amylase	35079000
Barium benzoate	29163110
Barium cadmium laurate	29159050
Barium 2-ethylhexanoate	29159050
Barium laurate	29159050
Barium stearate	29157000
Basic Black 1	32041330
Basic black dyes, all other	32041350
Basic black dyes, all other, modified	32041350
Basic Blue 1	32041330
Basic Blue 3	32041325
Basic Blue 7	32041330
Basic Blue 12	32041330
Basic Blue 21	32041330
Basic Blue 41	32041310
Basic Blue 60	32041330
Basic Blue 77	32041330
Basic Blue 94 and 94:1	32041330
Basic Blue 140	32041350
Basic Blue 152	32041330
Basic Blue 162	32041350
Basic blue dyes, all other	32041350
(Basic Blue 14, PMA)	32041730
Basic Brown 1	32041330
Basic Brown 4	32041330
Basic brown dyes, all other	32041350
Basic Green 4	32041330
(Basic Green 1, PMA)	32041730
Basic Orange 1	32041330
Basic Orange 2	32041330
Basic Orange 21	32041330
Basic orange dyes, all other	32041350
Basic Red 11	32041330
Basic Red 12	32041330
Basic Red 14	32041325
Basic Red 15	32041330
Basic Red 17	32041330
Basic Red 29	32041310
Basic Red 46	32041310
Basic Red 49	32041330
Basic Red 73	32041330
Basic Red 104	32041350
Basic red dyes, all other	32041350
(Basic Red 81, PMA)	32041730
Basic Violet 1	32041330
Basic Violet 3	32041330
Basic Violet 4	32041330

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS¹</i> <i>No.</i>
Basic Violet 10	32041330
Basic violet 11	32041330
Basic Violet 16	32041330
Basic Violet 35	32041330
Basic violet dyes, all other	32041350
Basic Yellow 11	32041325
Basic Yellow 15	32041330
Basic Yellow 28	32041330
Basic Yellow 29	32041330
Basic Yellow 40	32041330
Basic Yellow 51	32041330
Basic Yellow 53	32041330
Basic Yellow 58	32041330
Basic Yellow 78	32041330
Basic Yellow 79	32041330
Basic Yellow 83	32041330
Basic Yellow 94	32041330
Basic Yellow 96	32041350
Basic Yellow 98	32041330
Basic yellow dyes, all other	32041350
(Basic Yellow 2), fugitive	32041730
Beclomethasone	29372200
Behenamide	29241010
Benzaldehyde glyceryl acetal	29122950
Benzaldehyde, tech.	29122100
Benzalkonium heparin	30019000
Benzanilide	29242909
Benzene Other	29022000
Benzene-, cumene-, toluene-, and xylenesulfonates, all other	34021150
Benzene High purity (98-100%)	29022000
Benzenephosphinic acid	29310040
Benzenesulfonic acid	29041037
Benzenesulfonic acid, 2-formyl-, sodium salt	29183030
Benzenesulfonyl chloride	29041037
Benzene, toluene, xylene, mixtures	27075000
1,2,4-Benzenetricarboxylic acid, 1,2-dianhydride (Trimellitic anhydride)	29173910
All other benzenoid or naphthalenoid chemicals	33021020
Benzhydrol (Diphenylmethanol)	29062950
Benzocaine	29224925
Benzoic acid	29163110
Benzoic acid, butyl ester (Butyl benzoate)	29163150
Benzoic acid, O _n C ₁₅ ester	29163150
Benzoic acid, 2-[4-(dimethylamino)-benzoyl]-	29225050
Benzoic acid, isodecyl ester	29163970
Benzoic acid salts, all other	29163110
Benzoic acid, tech.	29163110
Benzonatate	29224925
Benzonitrile	29269004
Benzophenone	29143000
p-Benzoquinone	29143000
2-Benzothiazolethiol, sodium salt	29342020
1 H-Benzotriazole	29342020
Benzotriazole, potassium & sodium salts	29270050
Benzotriazole, substituted	29342060
Benzoyl chloride	29163220

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Benzoyl peroxide	29163210
Benzphetamine	29214935
Benzyl acetate	29153910
Benzyl alcohol	29062100
Benzyl(alkylpyridinium)chloride	29331940
Benzylamine	29214945
2-(Benzylamino)ethanol	29215150
Benzyl benzoate	29163940
Benzyl butyrate	29156010
Benzyl chloroformate	29159050
Benzyl(cocoamidopropyl)dimethyl ammonium chloride	34021210
Benzyl(coconut oil alkyl)bis(2-hydroxyethyl)ammonium chloride	34021210
Benzyl(coconut oil alkyl)dimethylammonium chloride	34021210
Benzyl-di(hydrogenated tallow alkyl)methylammonium chloride	34021210
Benzyl dimethyl(mixed alkyl)ammonium chloride	34021210
Benzyl dimethyloctadecylammonium chloride	29239000
Benzyl dimethyl oleyl ammonium chloride	34021210
Benzyl dimethyl(tallow alkyl)ammonium chloride	34021210
Benzyl dimethyltetradecylammonium chloride	29239000
Benzyl dodecyl dimethylammonium chloride	29239000
6-benzyledenine (bap)	29242919
Benzylhexadecyldimethylammonium chloride	29239000
Benzyl(hydrogenated tallow alkyl)dimethylammonium chloride	34021210
Benzyl 4-hydroxy benzoate	29181930
2-Benzyl-2'-hydroxy-5,9-dimethyl-6,7-benzomorphanhydrobromide	29420010
1-Benzyl-1-(2-hydroxyethyl)-2-nor(tall oil alkyl)-2-imidazoline	34021210
Benzyl isobutyrate	29156010
Benzyl isopentyl ether	29093020
Benzyl isovalerate	29156010
Benzyl-methyl-bis(hydrogenated tallow)ammonium chloride	34021210
Benzyl(mixed alkyl)pyridinium chloride	34021210
1-(Benzylloxy)-2-methoxy-4-propenylbenzene (Benzyl isoeugenyl ether)	29093020
Benzyl phenylacetate	29159020
1-Benzyl-4-phenylisonipecotonitrile	29333947
Benzyl picolinium chloride	29339095
Benzyl propionate	29155020
Benzyl salicylate	29159020
Benzyl(tallow alkyl)bis(2-hydroxyethyl)ammonium chloride	34021210
S-benzyl thiocarbamate	29302010
Benzyltrimethylammonium chloride	29239000
Benzyltrimethylammonium hydroxide	29239000
Beta carotene (provitamin A)	29362100
Betaine hydrochloride	29239000
Betamethasone	29372200
Betamethasone dipropionate	29372200
Betamethasone sodium phosphate	29372200
Betamethasone valerate	29372200
Beta methyl ionone coevr	29142300
Bethanechol chloride	29239000
Biological stains	38220050
Biotin	29362950
Biphenyl	29029090
N,N-Bis(2,2-acetamido)glycine	29224940
Bisaminopropyl-methylamine	29212900
Bis[2-(bis(1,2-hydroxyethylamino)ethyl) diisopropyl titanate	29209050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS¹ No.</i>
2,2-Bis(bromomethyl)-1,3-propanediol	29161950
Bis(2-butoxyethyl)ether (Diethylene glycol di-n-butyl ether)	29091950
1,1-Bis(carboxymethyl)-2-undecyl-2-imidazolium hydroxide, disodium salt	29332940
Bis(2-chloroethyl)ether (Dichlorodiethyl ether)	29091910
Bis(coconut oil alkyl)amine	34021250
Bis(coconut oil alkyl)dimethylammonium chloride	34021250
Bis(dibutylthiocarbamoyl) disulfide	29309050
Bis(2,4-dichlorobenzoyl) peroxide	29163970
4,4'-Bis(dimethylamino)benzophenone (Michler's ketone)	29223035
Bis(a,a-dimethylbenzyl)peroxide	29096020
N,Isr-Bis(1,4-dimethylpentyl)-p-phenylenediamine	29215150
Bis(2-ethoxyethyl)ether (Diethylene glycol diethyl ether)	29091950
2,4-Bis(ethylamino)-6-methylmercapto-s-triazine (Simetryn)	29336900
Bis(2-ethyl hexyl)amine	29173920
N,N'-Bis(1-ethyl-3-methylpentyl)-p-phenylenediamine	29215150
Bis(ethyl-3-oxobutanato)bis(2-propanolato) titanium	29310050
Bis-hexamethylenetriamine amine	29212900
Bis(hydrogenated tallow alkyl)amine	34021250
Bis(hydrogenated tallow alkyl)dimethylammonium chloride	34021250
Bis(hydrogenated tallow alkyl)dimethylammoniummethyl sulfate	34021250
2,4-Bis(4-hydroxy-3,5-di-tert-butylphenoxy)-6-In-octylthio)-1,3,5-triazine	29336900
N,N-Bis(2-hydroxyethyl)(coconut oil alkyl)amine	34021250
Bis(2-hydroxyethyl)(coconut oil alkyl) ammonium chloride	34021250
Bis(2-hydroxyethyl, ethoxylated)methyloctadecylammonium chloride	34021210
Bis-2-hydroxyethyl-hydrogenated tallow-ethyl sulfate	34021250
Bis[2-hydroxyethyl]methyl[tallow alkyl ammonium chloride	34021250
N,N-bis-(2-Hydroxyethyl)octadecanamide	38099100
N, N-Bis(2-hydroxyethyl)octadecyl amine	29225050
N,N-Bis(2-hydroxyethyl)(tallow alkyl)amine	34021250
N,N-Bis(1-hydroxyisopropyl)tallowalkylamine	34021250
2,2-Bis(4-hydroxyphenyl)-4-methylpentane	29071920
4,6-Bis(isopropylamino)-2-methoxy-s-triazine (Prometon)	29336900
2,4-Bis(isopropylamino)-6-(methylthio)-s-triazine (Prometryn)	29336900
Bis[2-(2-methoxyethoxy)ethyl] ether (Tetraethylene glycol dimethyl ether)	29091950
Bis(2-methoxyethyl)ether (Diethylene glycol dimethyl ether)	29094950
NN-Bis(1-methylheptyl)-p-phenylenediamine	29215150
Bis(morpholinothiocarbamoyl) disulfide	29339080
Bismuth 2-ethylhexanoate	29159050
Bismuth formic iodide	29151200
Bismuth neodecanoate	29159050
Bis(N-amidopropyl)-N,N-dimethyl-N-ethylammonium ethyl sulfate, dimer acid	34021250
Bis(N,N1-ethyl(stearic/arachidic/behenic)amide)cycanoethyl ethylammonium ethosulfate	34021250
Bis[p-chlorobenzoyl]peroxide	29163940
Bis(pentachloro-2,4-dicyclopentadien-1-yl)	29035910
Bis(perfluoroalkyl)bis(alpha-monochlorohydril)pyromellitate	29173930
Bisphenol A, ethoxylated and propoxylated	29093050
Bisphenol-A, propoxylated	34021350
Bisphenol epichlorohydrin	29109020
Bisphenol a, ethoxylated	29093050
Bisphenol, hindered	38121010
Bis(tallow alkyl)amine	34021250
Bis(tallow alkyl)dimethylammonium chloride	34021250
1,2-Bis(tribromophenoxy)ethane	29093050
Bis(triphenylsilyl)chromate	29310030
Blend of fatty and phosphate esters	38239050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Boric acid-amine adducts	29211950
Boric acid, diethanolamine salt	29221200
Bornyl phenylamine	29310030
Boron fluoride-phenol complex	38239050
Brominated diphenyl ethers	29093040
Brominated (Including bromochlorinated) hydrocarbons, all other	29034000
Brominated vegetable oil	15180040
Bromoacetic acid	29159018
3-Bromoacetophenone	29145020
Bromobenzene, mono	29036960
o-Bromobenzoic acid	29163150
3-[3'-4'-Bromo[1,1'-biphenyl-4-yl]-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-1-benzopyran-2-one	29161950
3-[3-(4'-Bromo[1,1'-biphenyl-4-yl])-1,2,3,4-tetrahydro-1-naphthalenyl]-4-hydroxy-2H-1-benzopyran-2-one	29329020
1-Bromobutane (n-Butyl bromide)	29033020
5-Bromo-3-sec-butyl-6-methyluracil (Bromacil)	29335910
Bromochlorobenzene	29036960
Bromochlorodifluoromethane	29034000
Bromochloro-5,5'-dimethyl hydantoin	29332100
Bromochloromethane	29034000
2-Bromo-2-chloro-1,1,1-trifluoroethane (Halothane)	29034000
Bromodifluoromethane	29034000
2-Bromo-4,6-dinitroaniline	29214230
Bromodocosane	29033015
1-Bromododecane	29033015
Bromoethane (Ethyl bromide)	29033015
1-Bromo-4-ethoxy-2-methylbenzene	29093050
Bromoethylbenzene	29036960
p-Bromofluorobenzene	29036960
2-Bromofluorobenzene	29036960
3-Bromofluorobenzene	29036960
1-Bromohexadecane	29033015
1-Bromohexane (n-Hexyl bromide)	29033020
2-Bromo-4'-hydroxyacetophenone	29147020
2-Bromo-6-methoxynaphthylene	29093040
1-Bromo-3-methyl-2-butene	29033020
2-Bromo-2-nitropropanediol	29055050
1-Bromo-3-nitrostyrene	29049047
1-Bromo-octadecane	29033015
1-Bromopentane (n-Amyl bromide)	29033015
1-Bromopropane (n-Propyl bromide)	29033020
Bromopropionic acid	29159018
2-Bromopyridine	29333947
Bromotrifluoromethane	29034000
Brompheniramine maleate	29333937
Bupropion hydrochloride	29223020
Butadiene and butylene fractions	27111400
1,3-Butadiene, grade for rubber (Elastomers)	29012410
Butadiene styrene copolymer	39039050
Butalbital	29335160
Butamben	29163130
1,4-Butanediol	29053910
1,2-(and 1,3)-Butanediol	29053910
Butanoic acid, 1-cyclohexylethyl ester	29159018
2-Butanone peroxide (MEK peroxide)	29096050
1-Butane	29012300

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS I No.
1-Butene and 2-butane, mixed	29012300
2-Butenediamide, (E)-, N,n'-bis[2-(4,5-dihydro-2-norbornylidene)ethyl] derivatives	34021250
2-Butenedioic, monomethyl ester, polymer with methoxyethene	39059050
2-Butane-1,4-diol	29053950
Butorphanol tartrate	29399050
1-Butoxy-2,3-epoxypropane (Butyl glycidyl ether)	29109050
2-Butoxyethanol (Ethylene glycol monobutyl ether)	29094300
2-(2-Butoxyethoxy)ethanol (Diethylene glycol monobutyl ether)	29094300
2-(2-Butoxyethoxy)ethoxyethanol (Triethylene glycol monobutyl ether)	29094950
1-(2-(2-n-Butoxyethoxy)ethoxy)-4,5-methylenedioxy-2-propyltoluene (Piperonyl butoxide)	29093030
2-(2-Butoxyethoxy)ethyl acetate	29153947
2-(2-Butoxyethoxy)ethyl thiocyanate	29309030
1-Butoxyethoxy-2-propanol	29091910
2-Butoxyethyl acetate	29153947
2-Butoxyethyl benzoate (Butyl cellosolve benzoate)	29163150
Butoxyethylene oxyacetic acid, sodium salt	29153950
2-Butoxyethyl oleate	29161550
n-Butyl acetate	29153300
n-Butyl acetylricinoleate	29181990
Butyl acid phosphate	29190050
Butyl acrylate	29161250
Butyl acrylate ethyl acrylate copolymer resins	39069020
Butyl alcohol, ethoxylated and phosphated	29095040
sec-Butyl alcohol (Methylethylcarbinol)	29051400
n-Butyl alcohol (n-Propylcarbinol)	29051300
tert-Butyl alcohol (Trimethylcarbinol)	29051400
n-Butylamine, mono	29211910
sec-Butylamine, mono	29211910
tert-Butylamine, mono	29211910
tert-Butylaminoethyl methacrylate	29221950
p-tert-Butylbenzaldehyde	29122950
n-Butylbenzene	29029090
N-tart-Butyl-2-benzothiazolesulfenamide	29342005
N-t-Butyl-2-benzothiazolesulfenimide	29342040
Butyl benzyl phthalate	29173920
n-Butyl-4,4-bis[t-butylperoxy]talarate	29189050
Butyl butyl lactate	29159050
sec-Butyl chloroformate	29159050
3-tert-Butyl-5-chloro-6-methyluracil	29335910
2-tert-Butyl-p-cresol	29071910
2-tert-Butyl cyclohexanol	29062920
2-sec-Butylcyclohexanone	29142950
o-tert-Butylcyclohexyl acetate	29153945
Butyl diethanolamine	29221950
tert-Butyldiethanolamine	29221950
Butylene glycol adipate	29171220
1,3-Butylene glycol dimethacrylate	29161400
1,3-Butylene glycol, ethoxylated	29095040
Butylene oxide	29109010
sec-Butyl ether	29091910
n-Butylethylamine	29211950
t-Butyl-2-ethylhexyl monoperoxydicarbonate	29159050
Butyl ethyl magnesium	29310050
N-Butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine (Benefin)	29214360
Butyl formcel	38239050

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
tert-Butyl hydroperoxide	29096050
tert-Butylhydroquinone	29072960
4,4'-Butylidenebis(6-tert-butyl-m-cresol)	29071200
Butyl(isobutylene-isoprene) type	40023100
Butyl isocyanate	29291040
n-Butyl mercaptan (1-Butanethiol)	29309050
sec-Butyl mercaptan (2-Butanethiol)	29309050
tert-Butyl mercaptan (2-Methyl-2-propanethiol)	29309050
n-Butyl mercaptopropionate	29309050
Butyl methacrylate	29161400
p-tert-Butyl-a-methylhydrocinnamalehyde	29122950
Butylmorpholine	29349050
Butyl naphthalenesulfonic acid, sodium salt	29041037
Butyl octyl phthalates	29173400
Butyl oleate	29161550
Butyl oleate, sulfated, sodium salt	29161550
n-Butyl palmitate	29157000
n-Butyl perchlorocrotonate	29159050
tert-Butyl peroxide (Di-tert-butyl peroxide)	29096050
tert-Butyl peroxyacetate	29153950
tert-Butyl peroxybenzoate	29163910
tert-Butyl peroxy-2-ethylhexanoate	38159050
tert-Butyl peroxyisobutyrate	38159050
tert-Butyl peroxyisopropylcarbonate	29209050
tert-Butylperoxy maleic acid	29171927
tert-Butyl peroxyneodecanoate	29159050
tert-Butyl peroxy pivalate	38159050
o-sec-Butylphenol	29071920
o-tert-Butylphenol	29071920
p-sec-Butylphenol	29071920
p-tert-Butylphenol	29071920
Butylphenols, mixed	29071920
Butyl phosphate	29190050
Butyl phosphate, potassium salt	29190050
Butyl phthalyl butyl glycolate	29173400
Butyl picolinium bromide	29239000
Butyl ricinoleate	29181990
n-Butyl stearate	29157000
p-tert-Butyltoluene	29029090
tert-Butyl urea	29242150
Butyl vinyl ether	29091910
2-Butyne-1,4-diol	29053950
Butyraldehyde	29121300
Butyric acid	29156050
Butyric anhydride	29159050
Butyrolactone	29322950
n-Butyronitrile	29269050
Cadinene	29029090
Cadmium benzoate	29163970
Cadmium 2-ethylhexanoate	29159050
Cadmium laurate	29159050
Cadmium naphthenate	38232000
Cadmium stearate	29157000
Cadmium tallate	29162000
Caffeine, synthetic	29393000

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
Calcitonin	29379980
Calcium acetate	29152900
Calcium t-a-alkylcarboxylate	29159050
Calcium 2-ethylhexanoate	29159050
Calcium formate	29151200
Calcium gluceptate	29181990
Calcium manganese tallate	29162000
Calcium naphthenate	38232000
Calcium neodecanoate	29159050
Calcium oleate	29161550
Calcium polycarbophil	29420050
Calcium propionate	29155050
Calcium resinate	38062000
Calcium stearate	29157000
Calcium tallate	29162000
Calcium undecylenate	29161950
Calcium zinc resinate	38062000
2-(C ¹³⁻¹⁷ Alkyl)-1-(C ¹⁴⁻¹⁸ amidoethyl)(4,5-dimydro-3-methylimidazolium, methyl sulfate	29239000
C ¹²⁻¹⁸ Alkyldimethylamines	29211950
Camphene	29021900
Campholenic aldehyde	29122950
α-Campholenic aldehyde	29122950
Canrenoate, potassium	29161950
Capric acid, diethanolamine condensate (Ratio =1/1)	34021150
Caprolactam magnesium bromide	29337910
Caprolactam (2-Oxohexamethylenimine)	29337100
Caprolactone	29322930
Caprylamphopropionate	29155050
Captopril	29331945
Caramiphen edisylate	29224925
Carbidopa	29280030
Carbobenzoxy-L-azetidinone sodium salt	29339095
2-Carbomethoxy-1-propen-2-yl dimethyl phosphate	29190050
Carbon black feedstock	38239045
Carbon disulfide	28131000
Carbon tetrachloride	29031400
4,4'-Carbonylbis[phthalic anhydride]	29173950
Carboplatin	29310050
Carboprost	29379280
Carboxyethyl acrylate	29161300
1-Carboxyethyl-1-(2-hydroxyethyl)-2-heptyl-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950
5(or 6)carboxy-4-hexyl-2-cyclohexene-1-octanoic acid, potassium/sodium salts	29159050
5(or 6)1-Carboxy-4-hexyl-2-cyclohexene-1-octanoic acid, reaction products with castor oil	34021150
Carboxylic acid - alkanolamine condensates, all other	34021315
Carboxylic acid alkoxylates	29091910
Carboxylic acid amides, all other	34021350
Carboxylic acid-diamine and polyamine condensates, all other	34021250
Carboxylic acid esters, all other	34021350
Carboxylic acids, all other	34021150
Carboxylic acids with amide, ester or ether linkage, other	34021150
N[2-(Carboxymethylamino)ethyl]-N-(2-hydroxyethyl)-coconut oil amide, sodium salt	34021950
N-Carboxy-N-methylantranilic anhydride	29420020
(Carboxymethyl)13-(coconut oil amido)propyl]dimethylammonium hydroxide, inner salt	34021950
(Carboxymethyl)dodecyldimethylammonium hydroxide, inner salt	29239000
1-Carboxymethyl-2-heptadecyl-1-(2-hydroxyethyl)-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
1-Carboxymethyl-1-(2-hydroxyethyl)-2-heptyl-2-imidazoliumhydroxide, sodium derivative, sodium salt	34021950
1-Carboxymethyl-1-(2-hydroxyethyl)-2-nonyl-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950
1-Carboxymethyl-1-(2-hydroxyethyl)-2-undecyl-2-imidazolium hydroxide, sodium derivative, sodium salt	34021950
1-Carboxymethyl-1-12-hydroxyethyl-2-undecyl-2-imidazoliumhydroxide, sodium derivative, sodium salt	34021950
Cardiovascular agents, all other	29420005
Carenoate, potassium (for pharmaceutical use)	29379980
Carvacrol	29071950
I-Carvone	29142950
fl-Caryophyllene	29029090
Castor oil acids, diethanolamine condensate (Ratio = 2/1)	34021320
Castor oil acids, potassium salt	34021150
Castor oil acids, sodium salt	34021150
Castor oil, ethoxylated	34021350
Castor oil fatty acids, dehydrated	15180040
Castor oil, hydrogenated	15162090
Castor oil, polymerized	15180040
Castor oil, sulfated, sodium salt	34021150
Cationic surface-active agents, all other	34021250
C ₁₅ alcohol-lactates	29181150
a-Cedrene epoxide (Andrane)	29109050
Cedrenol	29061900
Cedrol	29061900
Cedryl acetate	29153945
Cedryl formate	29151350
Cefaclor	29419010
Cefamandole	29419010
Cefazolin, sodium	29419010
Cefoxitin	29419010
Ceftazidime	29419010
Ceftiofur	29419030
Cefuroxime	29419030
Cefuroxime sodium	29419030
Cellulase	35079000
Cellulose acetate	39121200
Cellulose acetate butyrate	39129000
Cellulose acetate, for fiber use	39129000
Cellulose acetate propionate	39129000
Cellulose ethers and esters, all other	39129000
Central stimulants, all other	29420005
Cephalexin	29419010
Cephalothin, sodium	29419010
Cephapirin, sodium	29419010
Cephradine	29419010
Cerium 2-ethylhexanoate	29159050
Cetyl alcohol, propoxylated	29091910
Cetylicosyl methacrylate	29161400
Cetyl lactate	29181150
Cetylpyridinium chloride	29333937
C ₁₀ Fatty acids, unsaturated compounds, with polyethylene-polyamines-tall oil fatty acid reaction products	34021250
Chelating agents, nitriloacids and salts, all other	29252050
Chemical indicators	38220050
Chemically defined linear alcohol, alkoxyated, all other	34021350
Chemical reagents and fine chemicals	38220050
Chlorinated fatty materials	15180020
Chlorinated paraffins, 35-64% chlorine	29031950

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS f No.
Chlorinated paraffins, 65% or more chlorine	29031950
Chlorinated polyolefins, thermoplastic	39049050
Chlorinated rubber, natural and synthetic	39139050
Chloroacetic acid, mono	29154010
N-(Chloroacetyl)-N-(2,6-diethylphenyl)glycine, ethyl ester	29224930
2-Chloro-4-aminotoluene	29214360
o-Chloroaniline	29214275
Chloro-7H-benz[de]anthracen-7-one (Chlorobenzanthrone)	29147020
Chlorobenzene, mono	29036110
p-Chlorobenzenesulfonic acid	29042045
2-Chloro-4,6-bis(ethylamino)-s-triazine (Simazine)	29336900
2-Chloro-4-(cyclopropylamino)-6-(isopropylamino)-s-triazine (Cyprazine)	29336900
2-Chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide (Alachlor)	29242919
2-Chloro-2',6'-diethyl-N-In-butoxymethylacetanilide (Butachlor)	29242919
1-Chloro-1,1-difluoroethane (F-142b)	29034000
Chlorodifluoromethane (F-22)	29034000
4'-Chloro-2',5'-dimethoxyacetanilide	29242950
2-Chloro-1,4-dimethoxybenzene	29093050
2-Chloro-N-(2,2-dimethoxyethyl)-N-methyl acetamide (DMCA)	29241050
1-Chloro-2,4-dinitrobenzene (Dinitrochlorobenzene)	29049047
4-Chloro-3,5-dinitrobenzenesulfonic acid, potassium salt	29049047
2-Chloro-N-ethoxymethyl-N-(2-ethyl-6-methylphenyl)acetamide (Acctochlor)	29242919
2-Chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (Oxyfluorfen)	29093020
2-Chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine (Atrazine)	29336900
244-Chloro-6-(ethylamino)-s-triazin-2-ylamino]-2-methylpropionitrile (Cyanazine)	29336900
2-(Chloroethyl)phosphonic acid	29310025
Chloroform	29031300
1-Chloro-4-hydroxyanthraquinone	29147020
Chloro-N-(2-hydroxyethyl)acetamide	29241050
3-Chloro-2-hydroxypropyl trimethyl ammonium chloride (1-Propaminium, 3-chloro-2-hydroxy-N,N,N-trimethyl-, chloride)	29239000
2-Chloro-N-isopropylacetanilide (Propachlor)	29242919
Chloromethane (Methyl chloride)	29031100
2-Chloro-N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonylbenzenesulfonamide	29350070
Chloromethyl dimethylchlorosilane	29310050
Chloromethylene dimethyliminium (Amide chloride)	29241010
2-Chloro-N-(2-methoxyethyl)-N-(2,4-dimethylthien-3-yl)-acetamide	29242115
Chloromethyl methyl ether	29091910
4-Chloro-N-methyl-3-nitrobenzenesulfonamide	29350090
4-Chloro-2-methylphenoxyacetic acid, dimethylamine salt	29224935
4-Chloro-2-methylphenoxyacetic acid, iso-octyl ester	29189020
2-(4-Chloro-2-methylphenoxy)propionic acid, dimethylamine salt	29189010
1-Chloro-2-nitrobenzene (Chloro-o-nitrobenzene)	29049004
1-Chloro-4-nitrobenzene (Chloro-p-nitrobenzene)	29049004
4-Chloro-3-nitrobenzotrifluoride	29049047
5-Chloro-2-pentanone	29147050
a-(2-Chlorophenyl)-a-(4-chlorophenyl)-5-pyrimidinemethanol	29335915
a-(2-Chlorophenyl)-a-(4-fluorophenyl)-5-pyrimidinemethanol	29335915
/3-(4-Chlorophenyl)methyl-a-(1,1-dimethylethyl)-1,2,4-triazole-1-ethanol	29349018
2-(2-Chlorophenyl)methyl-4,4-dimethyl-3-isoxazolinone	29349014
1-Chloropinacolone	29147050
3-Chloro-1,2-propanediol (Glycerol a-chlorohydrin)	29055050
Chloro-2-propanone (Chloroacetone)	29147050
3-Chloropropene (Allyl) chloride	29032900
Chloropropyltrimethoxysilane	29310050
3-Chloropropyl-2,5-xylol ether	29095045

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
2-Chloropyridine	29333950
2-416-Chloro-2-quinoxalinyloxy phenoxy propionil acid ethyl ester (Quizalofod ethyl)	29334030
Chlorosilanes, crude	29310050
Chlorosulfonated polyethylene (CSM) type	39019010
2-Chloro-1,1,1,2-tetrafluoroethane (F-124)	29034000
Chlorothiazide	29342025
a-Chlorotoluene (Benzyl chloride)	29036920
3-Chloro-p-toluidine INH ₂ = 11	29214360
2-Chloro-6-(trichloromethyl)pyridine	29333925
Chlorotrifluoroethylene (Trifluorovinyl chloride)	29034000
2-Chloro-1,1,2-trifluoroethyl methyl ether	29091910
Chlorotrifluoromethane (F-13)	29034000
2-Chloro-N-M4-(trifluoromethoxy)phenyl]amino]carbonyl]benzamide	29242919
5[2-Chloro-4-(trifluoromethyl)phenoxy]1-2-introbenzoic acid, sodium salt	29189020
3-12-Chloro-4-trifluoromethylphenoxy)toluene	29095050
Chlorotrimethylsilane	29310050
4-Chloro-3,5-xyleneol	29081050
Chlorphenesin carbamate	29241050
Chlorpheniramine maleate	29333937
Chlorpheniramine tannate	29333937
Chlorpromazine hydrochloride	29343004
Chlorpropamide	29379980
Chlortetracycline (animal feed grade)	29413000
Cholecalciferol (vitamin D ₃)	29362950
Choleretics and hydrocholeretics, all other	29420005
Cholesterol isostearate	34021320
Cholesterol oxidase	35079000
Choline	29231000
Choline bicarbonate	29231000
Choline bitartrate	29231000
Choline chloride (animal feed grade)	29231000
Choline chloride (medicinal grade)	29231000
Choline dihydrogen citrate	29231000
Choline magnesium salicylate	29231000
Chromium acetate	29152900
Chromium 2-ethylhexanoate	29159050
Chromium naphthenate	38232000
Cinnamaldehyde	29122950
Cinnamyl acetate	29153920
Cinnamyl alcohol	29062920
Cinnamyl nitrile	29269044
Cinnamyl propionate	29155020
Cinoxacin	29339046
Cisplatin	28439000
Citral dimethyl acetal	29110000
Citric and acetylcitric acid esters, all other	29181550
Citric acid	29181400
Citronellyl acetate	29153920
Citronellyl formate	29151350
Citronellyl isobutyrate	29156050
Citronellyl nitrile	29269044
Citronellyl propionate	29155050
Clindamycin	29419050
Clorazepate dipotassium	29339061
Clorsulon	29350039

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Cloxacillin, sodium	29411030
Cobalt acetate	29152300
Cobalt t-a-alkylcarboxylate	29159050
Cobalt 2-ethylhexanoate	29159050
Cobaltic acetylacetonate	29310050
Cobalt manganese acetate	29152900
Cobalt manganese tallate	29162000
Cobalt/manganese/zirconium alkylcarboxylate	29159050
Cobalt naphthenate	38232000
Cobalt neodecanoate	29159050
Cobalt-potassium 2-ethylhexanoate	29159050
Cobalt stearate	29157000
Cobalt tallate	29162000
Cobalt/zirconium t-a-alkylcarboxylate	29159050
Cocaine	29399050
N-Cocoalkyl-1,3-propylenediamine acetate	29310050
Cocoamidoamphoglycinate	34021950
3-Cocoamido-N,N-dimethyl propylamine oxide	34021250
N-(Cocoamidopropyl N,N-acetic acid) ammonium salt	34021250
Cocoamidopropyl betaine	34021950
Cocoamidopropyl dimethyl amine	29241050
Cocoamidopropyl dimethyl amine oxide	34021250
N-Cocoamido-propyl-N,N-dimethylamine oxide	34021950
3[3-(Cocoamidopropyl)dimethylammonio]-2-hydroxypropane sulfonate	34021950
3-Cocoamidopropyl-2-hydroxy-3-sulfopropyl dimethyl ammonium hydroxide, inner salt	34021950
Cocoamphocarboxyglycinate	34021950
Cocoamphocarboxypropionate	34021950
Cocoamphopropionate	34021950
N-Coco-N,N-dimethylamines	29224950
Cocodimethyl ethyl ammonium ethyl sulfate	34021250
Coonitrile	29269050
Coconut oil acids, diethanolamine condensate, nes	34021350
Coconut oil acids, diethanolamine condensate (Ratio = 1/1)	34021350
Coconut oil acids, diethanolamine condensate (Ratio = 2/1)	34021350
Coconut oil acids, diethanolamine salt	34021150
Coconut oil acids-diethylenetriamine condensate	34021250
Coconut oil acids-dimethylaminopropylamine condensate (amine/acid ratio = 1/1)	34021350
Coconut oil acids-N,N-dimethyltrimethylenediamine condensate	34021250
Coconut oil acids, ethanolamine condensate (Ratio = 1/1)	34021350
Coconut oil acids, ethanolamine condensate (Ratio = 2/1)	34021350
Coconut oil acids, ethanolamine salt	34021150
Coconut oil acids-ethanolamine salt, sulfated, potassium salt	34021150
Coconut oil acids and oleic acid, potassium salt	34021350
Coconut oil acids, potassium salt	34021150
Coconut oil acids, sodium salt	34021150
Coconut oil acids, 2-sulfoethyl ester, sodium salt	34021150
Coconut oil acids, triethanolamine salt	34021150
N-(Coconut oil acyl)-N-methyltaurine, sodium salt	34021150
N-(Coconut oil acyl)sarcosine, sodium salt	34021150
Coconut oil alcohol, ethoxylated	34021320
3-[(Coconut oil alkyl)amidoethylene-(2-hydroxyethyl)amino]propionic acid	34021950
(Coconut oil alkyl)amine	34021250
(Coconut oil alkyl)amine acetate	34021250
(Coconut oil alkyl)amine, ethoxylated	34021250
(Coconut oil alkyl)amine, ethoxylated, acetate	34021250

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Coconut oil(alkyl)amine, ethoxylated and phosphated	34021250
N-[(Coconut oil alkyl)aminolbutyric acid	34021950
N-[(Coconut oil alkyl)aminocautyric acid, sodium salt	34021150
(Coconut oil alkyl)bis(2-hydroxyethyl, ethoxylated)-methylammonium chloride	34021250
(Coconut oil alkyl)-bis-(hydroxyethyl)methyl ethoxylated mono-(2-carboxyethyl)ether methyl sulfate, potassium salt	34021250
N-[Coconut oil alkyl]sulfosuccinamic and disodium salt	34021150
N-(Coconut oil alkyl)trimethylenediamine	34021250
Coconut oil amide	29241010
Coconut oil, ethoxylated	34021320
Coconut oil, sulfated, sodium salt	34021150
Coconut oil and tallow acids, diethanolamine condensate (Ratio = 2/1)	34021350
Codeine	29391020
Cod oil, sulfated, sodium salt	34021150
Colestipol hydrochloride	29420050
Complex glycerol esters, all other	34021350
Complex linear polyesters and polymeric plasticizers, all other	39079900
Co-polyesters	39079900
Other copolymer resins of acrylic and/or methacrylic acid esters	39069050
Copolyurethane urea	39091000
Copper acetate	29152900
Copper t-a-alkylcarboxylate	29159050
Copper 2-ethylhexanoate	29159050
Copper glycinate	29224950
Copper oxalate	29171100
Copper tallate	29162000
Corn oil acids, potassium salt	34021150
Corn oil acids, sodium salt	34021150
Corticotropin	29371000
Cortisone acetate	29372100
Coumarin	29322100
Creosote oil (Dead oil): creosote content in solution (100 Percent basis)	27079100
Creosote oil (Dead oil): creosote in coal tar solution (100 Percent solution basis)	27079100
Creosote oil (Dead oil): distillate as such (100 Percent creosote basis)	27079100
m-Cresol	27079930
p-Cresol	27079930
Cresol, ethoxylated	29093020
o-Cresol, from petroleum	27079930
Cresylic acid (Less than 75 percent distilling over 215° C)	27079950
Cresylic acid, refined; from petroleum	27079950
Crotonaldehyde	29121950
Crotonic acid (2-Butenoic acid)	29161950
Crotononitrile	29269050
Crude coal tar	27060000
Crude coal tar solvent	27060000
Crude light oil	27079910
Crude tar acid oils having a tar acid content of: 5 percent to less than 24 percent	27079950
Cumene hydrogen peroxide	29096020
Cumene hydroperoxide	29096020
Cumene (Isopropyl benzene)	29027000
Cumenesulfonic acid, ammonium salt	29041037
Cumenesulfonic acid, ammonium salt	29042040
Cumenesulfonic acid, sodium salt	29041037
Cumenesulfonic acid, sodium salt	29042040
Cumyl acetate	29153920
a-Cumyl peroxyneodecanoate	29159020

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
a-Cumyl peroxyneheptanoate	29159020
p-Cumylphenol	29071950
4-(Cyanoacetyl)morpholine	29349040
Cyanocobalamin (medicinal grade)	29362600
4-[(2-Cyanoethyl)ethylamino]-o-tolualdehyde	29269048
1-(2-Cyanoethyl)ethyl urea	29269050
Cyano(4-fluoro-3-phenoxyphenyl)methyl-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate	29269027
Cyano-3-phenoxybenzyl-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate	29269027
Cyano(3-phenoxyphenyl)methyl-4-chloro-a-(1-methylethyl)benzeneacetate	29269027
3-Cyanopyridine	29333950
Cyanuric acid	29336900
Cyclic amphoteric surface-active agents, all other	34021910
Cyclic chemicals, all other	29420010
Cyclic elastomers, all other	40029900
Cyclic fungicides, all other	29349012
Cyclic herbicides, all other	29349014
Cyclic insecticides, all other	29349016
Cyclic intermediates, all other	29420050
Cyclic plasticizers, all other	29173920
Cyclic silizane	29310050
Cyclohexane	29021100
Cyclohexane carbonitrile	29269050
1,4-Cyclohexanedicarboxylic acid	29172000
1,2-Cyclohexanedicarboxylic acid anhydride	29172000
Cyclohexanesulfamic acid, calcium salt (Calcium cyclamate)	29420050
Cyclohexanesulfamic acid (Cyclamic acid)	29420050
Cyclohexanesulfamic acid, sodium salt (Sodium cyclamate)	29420050
Cyclohexanol	29061200
Cyclohexanone	29142210
Cyclohexanone oxime	29147050
Cyclohexene	29021900
Cyclohexene oxide	29109050
11-(1-Cyclohexenyl)ethylamine	29213020
Cyclohexylamine	29213010
Cyclohexylamine	29213020
N-Cyclohexyl-2-benzothiazolesulfenamide	29342040
3-Cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione	29336900
1,4-Cyclohexylenedimethanol	29061900
Cyclohexyl ethyl acetate	29153945
Cyclohexyl mercaptan	29309050
Cyclohexyl methacrylate	29161400
N-Cyclohexyl-N-palmitoyltaurine, sodium salt	29242950
N-Cyclohexyl-N'-phenyl-p-phenylenediamine	29215130
Cyclohexylsulfamic acid	29299050
N-(Cyclohexylthio)phthalimide	29251950
cyclooctadiene	29029090
Cyclopentane	29021900
(2-Cyclopenten-1-yl)-2-propanone	29141900
2-Cyclopropylmethylamino-5-chlorobenzophenone	29147020
a-Cyclopropyl-a-(p-methoxyphenyl)-5-pyrimidine methanol (Ancymidol)	29335910
Cycloserine	29412000
p-Cymene	29029020
para-Cymene	29029020
Cypermethrin	29269027
Cyproheptadine hydrochloride	29333937

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Cytarabine	29335936
Danazol	29371000
Decabromodiphenyl ether (DBDP)	29036960
Decaglycerol tetraoleate	29094920
trans-Decahydro-ft-naphthol	29061900
trans-Decahydro-fl-naphthyl acetate	29153945
Decanal (Capraldehyde)	29121920
n-Decane	29011050
Decanoic acid, 2-ethyl-2-((1-oxodecyl)oxo)methyl)-1,3-propanediyl ester	29183050
1-Decanol	29051900
Decanoyl chloride	29159018
Decanoyl peroxide	29159050
Decyl acetate	29153945
Decyl alcohol, ethoxylated	29094950
Decyl alcohol, ethoxylated and propoxylated	29094950
Decyl alcohol, phosphated	29190030
Decyl chloride	29031950
n-Decyl mercaptan	29309050
Decyl and octyl alcohols, ethoxylated	34021320
Decyl and octyl alcohols, ethoxylated and propoxylated	34021320
Decyl and octyl phosphate	34021150
Decyl and octyl sulfate, sodium salt	34021150
Decyl oleate	29161550
Decyloxypoly(ethyleneoxy)ethyl chloride	29091950
Decyl polyphosphate, sodium salt	29190050
Decyl polyphosphate, triethanolamine salt	29225050
Decyl sulfate, sodium salt	29209050
Deferoxamine mesylate	35040050
Deprenyl hydrochloride	29214940
Dexamethasone	29372100
Dexamethasone sodium phosphate	29372100
Dexbrompheniramine maleate	29333937
Dexpanthenol	29362400
Dextroamphetamine sulfate	29214935
Dextromethorphan hydrobromide	29252020
Diacetyl tartaric acid esters of monoglycerides	29159050
Diagnostic agents, other than roentgenographic contrast media, all other	30063050
Dialkylbenzene	29029030
Dialkyl (C ₁₂₋₁₈) methylamines	29211950
Dialkyl dicarbonate	29209050
Dialkyldithiocarbamic acid derivative	38121050
Diallylamine	29211950
N,N-diallyl-2,2-dichloroacetamide	29241050
Diallyldimethyl ammonium chloride	29239000
Di-amine derivatives of dimer acids	29212900
Diamines and polyamines, all other	34021250
1,5(and 1,8)-Diaminoanthraquinone	29147050
4,4'-Diamino-2,2'-biphenyldisulfonic acid	29215130
3,3'-Diaminodiphenyl sulfone	29215950
2,6-Diaminopyridine	29333950
Diammonium dithiodiglycolate	29302050
2,5-Dianilineterephthalic acid	29224935
Diaryl enediamines, mixed	38121010
Diatrizoate, sodium	29224910
1,4-Diazobicyclo(2.2.2)octane	29270040

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
4-Diazo-2,5-diethoxymorpholinobenzene	29349020
Di-para-benzoquinone dioxime	29299010
1,5-Dibenzoylnaphthalene	29143000
Dibenzylamine	29214360
Dibenzylamine	29214950
Di benzyl azodi carb oxyl ate	29270050
Dibenzylidithiocarbamic acid, sodium salt	29302020
Dibenzylidithiocarbamic acid, zinc salt	29302020
Dibenzylglycerol	29094910
N, N-Dibenzylhydroxylamine	38099100
m-Dibromobenzene	29036960
p-Dibromobenzene	29036960
1,4-Dibromobutane	29033015
2,3-Dibromobutane	29033015
1,2-Dibromo-4-(1,2-dibromoethyl) cyclohexane	29035920
1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate (Naled)	29190050
1,2-Dibromo-2,4-dicyanobutane	29269050
Dibromodifluoromethane	29034000
(1,2-Dibromoethyl)benzene	29036960
Dibromofluorobenzene, mixed isomers	29036960
3,5-Dibromo-4-hydroxybenzotrile, octanoic acid esters (Bromoxynil octanoate)	29269025
Dibromomethane (Methylene bromide)	29033015
2,6-Dibromo-4-nitroaniline	29214230
Dibromostyrene	29035915
Dibucaine	29334027
p-Dibutoxybenzene (DBB)	29093040
Di(2-(2-butoxyethoxy)ethyl) adipate	29171220
Dibutoxyethyl adipate	29171220
Di(2-butoxyethyl) phthalate	29173400
Dibutoxyethyl sebacate	29171950
2,5-Dibutoxy-4-morpholinobenzenediazonium sulfate salt (DBB Sulfate)	29349044
2,5-Dibutoxy-4-morpholinonitrobenzene	29349044
2,6-Di-tert-butyl-alpha-dimethylamino-p-cresol	29222950
Di-n-butylamine	29211910
4,4'-Di-sec-butylaminodiphenylmethane	29215950
2-Dibutylaminoethanol	29221950
Dibutylaminomethanol, condensed with formaldehyde	29221950
2,6-Di-tert-butyl-p-cresol (BHT, or, Butylated hydroxytoluene	29071910
2, 5-Di-sec-butyldecyl hydroquinone	29072960
Di-t-butyl diperoxy phthalate	29173950
Di-tert-butyl disulfide	29309050
Dibutylidithiocarbamic acid, nickel salt	29302050
Dibutylidithiocarbamic acid, sodium salt	29302050
Dibutylidithiocarbamic acid, zinc salt	29302050
2,5-Di-tert-butylhydroquinone	29146950
Di-n-butylmagnesium	29310050
Dibutyl maleate	29171927
2,6-Di-tert-butyl-4-nonylphenol	29071920
2,4-Di-tert-butylphenol	29071920
2,6-Di-tert-butylphenol	29071920
2,6-Di-tert-butyl-4-sec-butylphenol	29071920
2,4-Di-tert-butyl phenyl 3,5-di-tert-butyl hydroxybenzoate	29182940
N,N'-Di-sec-butyl-p-phenylenediamine	38119000
Dibutyl phthalate (including diisobutyl phthalate)	29173100
Dibutyl sebacate	29171950

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>NTS No.</i>
Dibutyltin bis(butylmaleate)	29310050
Dibutyltin bis(isooctylmercaptoacetate)	29310050
Dibutyltin bis(mercaptolaurate)	29310050
Dibutyltin carboxylates	29310050
Dibutyltin dichloride	29310050
Dibutyl tin dilaurate	29310050
Dibutyltin dilaurate	29310050
Dibutyltin oxide	29310050
N-(1,2-Dicarboxyethyl)-N-octadecylsulfosuccinamic acid, tetrasodium salt	29041037
Di(C5-C6 alkyl)naphthalenesulfonic acid	34021210
Dichloralphenazone	29331935
2,2-Dichloroacetyl chloride	29154010
3,4-Dichloroaniline	29214220
3,6-Dichloro-2-anisic acid (Dicamba)	29189020
m-Dichlorobenzene	29036910
o-Dichlorobenzene	29036120
p-Dichlorobenzene	29036130
3,3'-Dichlorobenzidine base and salts	29214275
3,4-Dichlorobenzotrifluoride	29036960
3,3'-Dichloro-4,4'-biphenyl	29036960
2,2-Dichloro-1,1-difluoroethyl methyl ether	29091910
Dichlorodifluoromethane (F-12)	29034000
1,4-Dichloro-2,5-dimethoxybenzene (Chloroneb)	29093030
1,3-Dichloro-5,5-dimethylhydantoin	29332100
Dichlorodimethylsilane	29310050
Dichlorodiphenylsilane	29310040
1,2-Dichloroethane (Ethylene dichloride)	29031500
cis trans-(+)-3-(2,2-Dichloroethenyl)-2,2-dimethyl-,(S)-cyano(3-phenoxyphenyl) methyl cyclopropanecarboxylate	29162000
1,3-Dichloro-5-ethyl-5-methyl-2,4-imidazolinedione	29332950
1,1-Dichloro-1-fluoroethane (141 b)	29034000
2,6-Dichloro-3-methylaniline	29214230
Dichloromethylphenylsilane	29310040
Dichloromethylsilane	29310050
Dichloromethylvinylsilane	29310050
2,4-Dichloro-5-nitrotrifluoromethylbenzene	29049047
2,4-Dichlorophenoxyacetic acid,2-butoxyethyl ester	29189020
2,4-Dichlorophenoxyacetic acid,sec-butyl ester	29189020
2,4-Dichlorophenoxyacetic acid,dimethylamine salt	29224935
2,4-Dichlorophenoxyacetic acid,ethanolamine and isopropanolamine salts	29224935
2,4-Dichlorophenoxyacetic acid,iso-octyl ester	29189020
2,4-Dichlorophenoxyacetic acid,isopropyl ester	29189020
2-(2,4-Dichlorophenoxy)propionic acid	29189010
2-(2,4-Dichlorophenoxy)propionic acid, dimethylamine salt	29224935
3-(3,4-Dichlorophenyl)-1,1-dimethylurea (Diuron)	29242115
0-(2,4-Dichlorophenyl) 0-ethyl S-propyl phosphorodithioate	29201020
3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea (Linuron)	29242115
2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione (Methazole)	29349014
11-(2,4-Dichlorophenyl)4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole	29310025
3,6-Dichloropicolinic acid	29333925
1,3-Dichloropropene	29032900
2,3-Dichloropropene	29032900
3',4'-Dichloropropionanilide (Propanil)	29241010
Dichlorotetrafluoroethane (F-114)	29034000
Dichloro-trifluoroethane (F-123)	29034000
Dicloxacillin, sodium	29411030

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
Dicresylphosphorodithioic acid	29310050
Dicresylphosphorodithioic acid, ammonium salt	29201020
Dicresylphosphorodithioic acid, sodium salt	29201020
Dicumyl peroxide	29096020
Dicyandiamide resins	39089000
Dicyanodiamide formaldehyde ammonium chloride polymer	38099100
Dicyanoethyldiethylene triamine	29269050
Dicyclohexylamine	29213020
Dicyclohexyl phthalate	29173400
Dicyclopentadiene (includes Cyclopentadiene)	29021900
Dicyclopentadienyl acrylate	29161300
Dicyclopentadienylchromium (Chromocene)	29310050
Didecyl adipate	29171250
Didecyldimethylammonium chloride	29239000
N,N-Didecylmethylamine	29211950
2,4-Didodecylbenzenesulfonic acid, ammonium salt	34021350
Didodecylbenzenesulfonic acid, sodium salt	29041037
Diesel fuel additives, acyclic, all other	38119000
Diesel fuel additives, cyclic, all other	38119000
Diethanolamine	29221200
Diethanolamine condensate, all other	34021350
Diethanolamine condensates (Amine/acid = 2/1), all other	34021350
Diethanolamine condensates, amine/acid ratio =1/1, all other	34021350
Diethanolamine salt of oleic acid	29221200
2,5-Diethoxy-4-morpholinobenzenediazonium chloride	29349020
Diethyl acetamidomalonate	29241050
Diethylaluminum chloride	29310050
Diethylaluminum iodide	29310050
Diethylamine	29211200
p-(Diethylamino)benzaldehyde	29223025
p-Diethylaminobenzenediazonium chloride (p-Diazo-N,N-diethylaniline zinc chloride)	29215120
2-Diethylaminoethanol (N,N-Diethylethanolamine)	29221950
2-12-Diethylaminoethoxyethanol	29221950
2-Diethylaminoethyl methacrylate	29221950
N[2-(Diethylamino)ethyl]-octadecanamide	29241010
2[4-Diethylamino-2-hydroxybenzyl]benzoic acid]	29225040
3-Diethylamino-6-methyl-7-(2,4-dimethylanilino) fluoran	29214230
o-12-(Diethylamino)-6-methyl (4-pyrimidinyl) o,o-dimethyl phosphrothioate	29335915
2,6-Diethylaniline	29214275
N,N-Diethylaniline	29214275
Diethylbenzene	29029030
Diethylcarbamazine citrate	29335931
Diethyl carbonate (Ethyl carbonate)	29209050
N,N-Diethylcyclohexylamine	29213010
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	29333950
N,N'-Diethyl-N,N'-diphenylurea	29242145
Diethyldithiocarbamic acid, cadmium salt and bis(diethylthiocarbamoyl)disulfide, mixture	38121050
Diethyldithiocarbamic acid, tellurium salt	29302050
Diethyldithiocarbamic acid, zinc salt	29302050
Diethylene glycol	29094100
Diethylene glycol adipate	29171250
Diethylene glycol chloroformate	29159050
Diethylene glycol dibenzoate	29163130
Diethylene glycol dimethacrylate	29161400
Diethylene glycol esters, all other	34021350

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Diethylene glycol monoester of coconut oil acids	34021320
Diethylene glycol monoester of tall oil acids	34021320
Diethylene glycol monoester of tallow acids	34021320
Diethylene glycol monolaurate	29159050
Diethylene glycol mono-oleate	29161550
Diethylene glycol mono-n-propyl ether	29094950
Diethylene glycol monostearate	29157000
Diethylene glycol phthalate	29173400
Diethylene glycol sesquiesther of tall oil acids	34021320
Diethylenetriamine	29212900
(Diethylenetriaminel)pentamethylenephosphonic acid	29310050
(Diethylenetriamine)pentamethylenephosphonic acid, sodium salt	29310050
(Diethylenetrinitrilo) pentaacetic acid	29225050
(Diethylenetrinitrilo) pentaacetic acid, pentasodium salt	29225050
Di(2-ethylhexyl) adipate	29171220
Di-2-ethylhexylamine	29211950
Di(2-ethylhexyl) azelate	29171300
Di(2-ethyl-1-hexyl) maleate	29171927
Di-12-ethylhexyl peroxydicarbonate	29171950
Diethylhexyl phosphoric acid	29190050
Di(2-ethylhexyl) phthalate	29173200
Di (2-ethyl hexyl) sebacate	29171950
Diethyl hyd roxylami ne	29280050
Diethyl isophthalate	29173920
0,0-Diethyl 0-(2-isopropyl-4-methyl-6-pyrimidinyl)phosphorothioate (Diazinon)	29335915
Diethyl maleate	29171927
Diethyl oxalate (Ethyl oxalate)	29171100
Diethyl phosphorochloridothionate	29201050
Diethyl phthalate	29173400
Diethylpropion hydrochloride	29223035
Diethyl sebacate	29171950
Diethyl succinate	29171920
Diethyl sulfide (Ethyl sulfide)	29309050
1,3-Diethyl-2-thiourea	29309050
N,N-Diethyltoluamide (DEET)	29242919
3,5-Diethyltoluene-2,4-diamine	29215150
N,N-Diethyl-m-toluidine	29214360
0,0-Diethyl 0-3,5,6-trichloro-2-pyridyl phosphorothioate	29333925
Diethylzinc	29310050
Diflorasone diacetate	29379980
Diflunisal	29181930
1, 1-Difluoroethane	29033020
Di-n-hexyl adipate	29171220
Di-n-hexyl magnesium	29310050
Dihydrocarvone	29142950
Dihydrocoumarin	29322930
6,11-Di hydrodibenz(b,e)oxepi n-11-one	29349044
2,3-Dihydro-2,2-dimethyl-7-benzofuranylUdibutylaminolthiomethyl carbamate	29329020
2,3-Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate	29329020
2-(2-(2,3-Dihydro-1,3-dioxo-1H-inden-2y1)-(quinoliny1)1-6-methylbenzothiazole-7-sulfonic acid	29349044
1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinoline (Ethoxyquin)	29334010
Dihydro-2,5-furandione	29321950
2,3-Dihydro-7-hydroxy-2,2-dimethylbenzofuran	29329045
Dihydrolinalool	29052250
1,3-Dihydro-4(or 5)-methyl-2H-benzimidazole-2-thione	29339039

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS ¹ No.
Dihydro myrcenol	29052250
Dihydronordicyclopentadienyl acetate (Cyclacet)	29153945
Dihydronordicyclopentadienyl propionate (Cyclaprop) (Verdyl propionate extra)	29155050
Dihydro pentamethyl indanone	29144950
2,5-Dihydroperoxy-2,5-dimethylhexane	29091910
1,2-Dihydro-3,6-pyridazinedione (Maleic hydrazide) (MH)	29349018
Di hydrostreptomycin	29412000
Dihydro terpineol	29051900
2,5-Dihydrothiophene-1,1-dioxide (Sulfolene)	29349050
1,2-Dihydro-2,2,4-trimethylquinoline	29334045
Dihydroxyaluminum aminoacetate	29310050
2,4-Dihydroxybenzophenone	29145020
Di(hydroxylbis(ammoniumlactato)titanium	29310050
2,2'-Dihydroxy-4,4'-dimethoxybenzophenone	29145020
N,N-di(hydroxyethyl)-n-carboxymethyl tallow ammonium quat, inner salt	34021350
N,N-Dihydroxyethylglycine, sodium salt	29225050
N,N-Dihydroxyethyl tallow glycinate	34021950
4,4-Dihydroxymethyl-2-oxazoline	29349050
6,7-Dihydroxy-2-naphthalenesulfonic acid	29082060
Diiodomethane (Methylene iodide)	29033020
Diiodomethyl-p-tolylsulfone	29309028
Diisobutyl adipate	29171220
Diisobutylaluminum chloride	29310050
Diisobutylaluminum hydride	29310050
Diisobutylaluminum oxide	29310050
Diisobutylamine	29211910
Diisobutyl dimethoxychloro silane	29310050
Di-isobutylene (Di-isobutene)	29012910
Di-isobutylene maleate	29171920
Diisobutylene polysulfide	38239050
Diisobutylphenol, ethoxylated	29095040
Diisodecyl adipate	29171220
Diisodecyl phthalate	29173300
Diisononyl adipate	29171220
Diisononyl phthalate	29173300
Diiso-octyl adipate	29171220
Diiso-octyl phthalate	29173200
Di-isopropane (2,3-Dimethylbutane)	29011040
Diisopropanolamine	29211910
Diisopropyl adipate	29171220
Diisopropylamine	29211910
2-Diisopropylaminoethanol (N,N-Diisopropylethanolamine)	29221950
Diisopropylbenzene	29029030
1,3-Diisopropylbenzene	29029030
1,4-Diisopropylbenzene	29029030
Diisopropyl dimerate	29171950
Diisopropyl ketone (2,4-Dimethyl-3-pentanone)	29141300
Diisopropyl/naphthalene sulf. acid amine salts	29214945
Diisopropyl naphthalenesulfonic acid, sodium salt	29041037
2,6-Diisopropylphenol	29071920
N,N'-Diisopropyl-p-phenylenediamine	29215150
Diisopropyl sebacate	29171950
Diisostearyl dimerate	29171950
Diketene	29322950
Dilauryl-3,3'-thiodipropionate	29309050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
Dimenhydrinate	30039000
Dimeracidalkyl amine	34021250
N-(Dimeracidalkyl)trimethylenediamine	34021250
Dimer acid (C _{3e} aliphatic dibasic acid)	29171950
Dimer diamine	34021250
Dimethindene maleate	29333937
2,5-Dimethoxyaniline, ethoxylated	29214275
m-Dimethoxybenzene	29093050
p-Dimethoxybenzene (Dimethyl ether of hydroquinone)	29093050
4,4'-Dimethoxy-2,2'-dihydroxybenzophenone	29145020
Dimethoxyethane (Ethylene glycol dimethyl ether)	29091950
1,1-Dimethoxy octane	29095040
3-(Dimethoxyphosphinyloxy)-N,N-dimethyl-cis-crotonamide	29310050
1,2-Dimethoxy-4-propenylbenzene (4-Propenylveratrole)	29095040
N,N-Dimethylacetamide	29241010
N,N-Dimethylacetoacetamide	29241050
0,S-Dimethylacetylphosphoramidothioate (Acephate)	29310050
Dimethyl adipate	29171220
N,N-Dimethyl-N-alkylamine phosphate	29211950
Dimethylamine	29211100
Dimethylamine epichlorohydrin copolymer	39093000
p-(Dimethylaminol)benzaldehyde	29223010
p-Dimethylaminobenzenediazonium chloride (p-Diazo-N,N-dimethylaniline zinc chloride)	29215120
m-(Dimethylamino)benzoic acid	29225030
2-Dimethylaminoethanol (N,N-Dimethylethanolamine)	29221950
Dimethylaminoethyl acrylate	29221950
Dimethylaminoethylacrylate, methyl chloride, quaternary salt	29239000
Dimethylaminoethyl methacrylate	29221950
Dimethylaminoethylmethacrylate, dimethyl sulfate, quaternary salt	29239000
Dimethylaminoethylmethacrylate, methyl chloride, quaternary salt	29239000
Dimethylaminomethanol	29221950
Dimethylaminopropylamine	29212900
3-Dimethylaminopropylamine	29212900
N[3-(Dimethylamino)propylk(Z)-octadecanamide	29241010
N13-(Dimethylamino)propyl11-octadecanamide	29241010
Dimethylammonium hydrogen isophthalate	29173930
N,N-Dimethylaniline	29214210
2,4-Dimethylbenzene sulfonic acid	29163970
N,N-Dimethylbenzylamine	29214275
2,2-Dimethylbutanol (Isohexyl alcohol)	29051900
3,3-Dimethylbutene	29012950
N-(1,3-Dimethylbutyl)-N-phenyl-1,4-benzenediamine	29215150
N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine	29215150
N,N-Dimethyl cocoamidopropyl amine oxide	34021250
N,N-Dimethyl(coconut oil alkyl)amine	34021250
N,N-Dimethyl(coconut oil alkyl)amine oxide	34021250
Dimethyl-1,4-cyclohexanedicarboxylate	29173930
γ,9,4,Dimethyl-3-cyclohexene-1-propanal	29122950
N,N-Dimethylcyclohexylamine	29213020
3-5 Dimethyl cyclopentadione	29142950
Dimethyldi(C12-18)ammonium chloride (mixed straight and branched chains)	34021250
0,0-Dimethyl-0-2,2-dichlorovinyl phosphate (DDVP)	29190050
2,5-Dimethyl-2,5-di(2-ethylhexanoyl peroxy)hexane	29159050
2,5-Dimethyl-2,5-dihydroperoxy hexane	29096050
5,6-Dimethyl-2-dimethylamino-4-pyrimidinyl dimethyl carbamate	29335915

See footnote at end of table.

Appendix B - Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS¹ No.</i>
Dimethyldioctadecylammonium choride	29239000
Dimethyl disulfide	29309050
2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane	29096050
2,5-Dimethyl-2,5-di(tert-butylperoxy)hexyne-3	29096050
Dimethyldithiocarbamic acid, bismuth salt	29302050
Dimethyldithiocarbamic acid, copper salt	29302050
Dimethyldithiocarbamic acid, lead salt	29302050
Dimethyldithiocarbamic acid, potassium salt	29302050
Dimethyldithiocarbamic acid, potassium salt	29302050
Dimethyldithiocarbamic acid, selenium salt	29302050
Dimethyldithiocarbamic acid, sodium salt	29302050
Dimethyldithiocarbamic acid, zinc salt	29302050
N,N-Dimethyldodecylamine	29211950
N,N-Dimethyldodecylamine oxide	29225050
Dimethyl ether	29091910
N,N-Dimethylethylamine	29211950
N,N-Dimethylformamide	29241010
N,N-Dimethylhexadecylamine	29211950
N,N-Dimethylhexadecylamine oxide	29225050
Dimethylhexanoic acid, calcium carbonate salt	29159050
5,5-Dimethylhydantoin	29332100
N,N-Dimethyl(hydrogenated tallow alkyl)amine	34021250
N,N-Dimethyl(hydrogenated tallow alkyl)amine oxide	34021250
1,1-Dimethyl-3-hydroxybutyl-peroxyneohexanoate	29159050
Dimethyl isophthalate	29173920
N,N-Dimethyl(mixed alkyl)amine	34021250
Dimethyl-2,6-naphthalenedicarboxylate	29173950
N,N-Dimethyl(9-octadecenyl-alkyl)amine	34021250
N,N-Dimethyloctadecylamine	29211950
N,N-Dimethyloctadecylamine	29211950
3,7-Dimethyl-trans-2,6-octadienal (Citral A geranial)	29121910
3,7-Dimethyl-2,6-octadienal (citral a b)	29121910
3,7-Dimethyl-cis-2,6-octadienal (Citral B) (Neral)	29121910
3,7-Dimethyl-2, 6-octadienenitrile	29269050
3,7-Dimethyl-1,6-octadien-3-ol,acetate (Linalyl acetate)	29153940
3,7-Dimethyl-cis-2,6-octadienol, acetate (Neryl acetate)	29153945
3,7-Dimethyl-trans-2,6-octadien-1-ol (Geraniol)	29051900
3,7-Dimethyl-1,6-octadien-3-ol (Linalool) (Linalyl alcohol)	29051900
3,7-Dimethyl-cis-2,6-octadien-1-ol (Nerol)	29051900
3,7-Dimethyl-1,6-octadien-3-ol, oxide	29091910
3,7-Dimethyl-2,6-octadien-1-oxime	29280050
3,7-Dimethyl-1, 6-octadien-3-yl formate	29151310
3,7-Dimethyl-1,6-octadien-3-yl isobutyrate (Linalyl isobutyrate)	29161950
3,7-Dimethyl-2,6-octadienyl phenylacetate (Geranyl phenylacetate)	29163320
3,7-Dimethyl-1,6-octadien-3-yl propionate (Linalyl propionate)	29161950
Dimethyloctanal	29121920
N,N-Dimethyl-1-octanamine	29211950
3,7-Dimethyl-3-octanol	29051900
3,7-Dimethyloctanal-1 (Tetrahydrogeraniol)	29051900
Dimethyloctanyl acetate	29153945
3,7-Dimethyl-6-octen-1-al (Citronella!)	29121920
3,7-Dimethyl-6-octen-1-ol (Citronellol)	29052250
3,7-Dimethyl-7-octenol 70%, 6-octenol isomer 30%	29052250
3,7-Dimethyl-6-octen-1-oxime	29280050
Dimethyldihydroxyethylene urea	38099100

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Dimethylolpropionic acid	29159018
4,4-Dimethyl oxazolidene	29349050
0,0-Dimethyl S4(4-oxo-1,2,3-benzotriazin-3(1-1)-yOmethyllphosphorodithioate (Azinphos-methyl)	29336900
Dimethyl-3-oxo-2-pentylcyclopentane propanedioate	29321950
N,N'-Dimethyl-3,4,9,10-perylenetetracarboxylic acid 3,4:9,10-diimide	29251920
N,N-Dimethylphenyl urea	29225030
0,S-Dimethyl phosphoramidothioate	29310050
Dimethyl phthalate	29173400
Dimethyl piperazine	29335990
3,5-Dimethylpiperidine	29333947
1,1-Dimethylpiperidinium chloride	29333923
N,N-Dimethyl-1,3-propanediamine polymer with epichlorohydrin, sulfate	39093000
2,2-Dimethyl-1,3-propanediol (Neopentyl glycol)	29053920
Dimethyl sebacate	29171950
N,N-Dimethyl(soybean oil alkylamine)	34021250
Dimethyl sulfide	29309050
Dimethyl sulfone	29309050
N,N-Dimethyl(tallow alkyl)amine	34021250
Dimethyl-2,3,5,6-tetrachloroterephthalate (DCPA)	29173950
N,N-Dimethyltetradecylamine	29211950
Dimethyltin dichloride	29310050
Dimethyltin-IOTG	29310050
N,N-Dimethyl-m-toluidine	29214320
N,N-Dimethyl-o-toluidine	29214360
N,N-Dimethyl-p-toluidine	29214310
N-(2,4-Dimethyl-5-[[trifluoromethyl]sulfonyl]aminolphenyl)acetamide	29242919
Dimethylvinyl chlorosilane	29310050
Dimorpholine diethyl ether	29349050
N,N'-Di-2-naphthyl-p-phenylenediamine	29215150
Di-(n-heptyl-n-nonyl) phthalate	29173400
Di-In-heptyl-n-nonyl) undecyl phthalate	29173400
Dinitolmide	29242939
3,5-Dinitro-N ⁴ ,N ⁴ -dipropylsulfanilamide	29350090
2,4-Dinitroacetanilide	29242950
1,5(and 1,8)-Dinitroanthraquinone	29214550
m-Dinitrobenzene	29042035
2,4-Dinitrobenzenesulfonic acid, sodium salt	29049047
3,5-Dinitrobenzoic acid	29163940
2,6-Dinitro-N,N-dipropyl cumidine	29214275
2,4-Dinitrophenol, tech.	29089008
3,5-Dinitrosalicylic acid, methyl ester	29182350
p-Dinitrosobenzene	29042040
2,4-Dinitrotoluene	29042035
2,4(and 2,6)-Dinitrotoluene	29042035
Dinonylphenol	29071920
Dinonylphenol, ethoxylated	29093050
Dinonylphenol, ethoxylated and phosphated	29190030
Dinonyl phthalate	29173300
Dinoprost tromethamine	30012000
N,N'-Dioctadecyl-N,N'-diisopropyl thiuram disulfide	29309050
Di-n-octylaluminum iodide	29310050
Dioctyl dimerate	29171950
Di-tert-octyl hydroquinone	29072960
Dioctyl maleate	29171927
Di-n-octyl phthalate	29173200

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Diocetyl phthalates, all other	29173200
Dioxane (1,4-Diethylene oxide)	29329050
1,3-Dioxepane	29329050
1,3-Dioxolane	29329050
2,4-Dioxypyrimidine (Uracil)	29335990
Di-N,N'-pentamethylenethiuram tetrasulfide	29309050
2,4-Di-tert-pentylphenol	29071920
Diphenhydramine citrate	29221910
Diphenhydramine hydrochloride	29221910
1,2-Diphenoxyethane	29093050
Diphenoxylate	29333937
2-Diphenylacetyl-1,3-indandione and sodium salt	29329020
Diphenylamine	29214450
Diphenylamine-acetone aldehyde	38122010
Diphenylamine-acetone condensate	38122010
p-Diphenylaminediazonium sulfate	29215120
Diphenyl-t-butylhexyl phosphite	29190010
Diphenyl carbonate	29209020
Diphenyl-4,4'-diphenylmethylenedicarbamate	29242145
Diphenyldisulfide	29309028
Diphenylisodecyl phosphite	29190010
Diphenylisooctyl phosphite	29190010
1,2-Diphenylmercaptoethane	29309028
Diphenylmethane-4,4'-diisocyanate (MDI)	29291060
N,N'-Diphenyl-p-phenylenediamine	29214360
Diphenyl phthalate	29173400
Diphenylpyraline hydrochloride	29333937
Diphenylsulfone sulfonic acid, potassium salt	29041037
1,3-Di-4-piperidylpropane	29333950
Dipropenediol dibenzoate (Dipropylene glycol dibenzoate)	29163130
Di-n-propylaluminum chloride	29310050
Dipropylamine	29211910
N ³ ,N ³ -Di-N-propyl-2,4-dinitro-6-(trifluoromethyl-N-phenylenediamine	29215150
Dipropylene glycol	29094950
Dipropylene glycol dimethyl ether	29094950
Dipropylene glycol monomethyl ether acetate	29153947
Dipropylene glycol monomethyl ether (3-(3-Methoxypropoxy)propanol)	29094950
Dipropylene glycol salicylate	29182350
Di-n-propylisocinchomerate	29333927
Di-n-propyl peroxydicarbonate	29209050
Direct Black 22	32041430
Direct Black 80	32041430
Direct Black 163	32041430
Direct Black 165	32041450
Direct Black 170	32041450
Direct black 179	32041450
Direct black dyes, all other	32041450
Direct Blue 1	32041430
Direct Blue 14	32041430
Direct Blue 15	32041430
Direct Blue 25	32041430
Direct Blue 75	32041430
Direct Blue 78	32041430
Direct Blue 80	32041430
Direct Blue 86	32041425

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Direct Blue 98	32041430
Direct Blue 100	32041430
Direct Blue 108	32041410
Direct Blue 120, 120:1, 120:2, and 120:3	32041430
Direct Blue 160	32041410
Direct Blue 189	32041430
Direct Blue 191	32041430
Direct Blue 199	32041430
Direct Blue 218	32041430
Direct Blue 273	32041450
Direct Blue 281	32041450
Direct Blue 283	32041450
Direct Blue 286	32041450
Direct blue dyes, all other	32041450
Direct Brown 44	32041430
Direct Brown 232	32041450
Direct brown dyes, all other	32041450
Direct green dyes, all other	32041450
Direct Orange 15	32041430
Direct Orange 34	32041430
Direct Orange 39	32041430
Direct Orange 72	32041430
Direct Orange 102	32041430
Direct Orange 118	32041420
Direct orange dyes, all other	32041450
Direct Red 9	32041420
Direct Red 16	32041430
Direct Red 24	32041430
Direct Red 26	32041430
Direct Red 72	32041430
Direct Red 73	32041430
Direct Red 80	32041430
Direct Red 81	32041430
Direct Red 83	32041425
Direct Red 224	32041430
Direct Red 227	32041430
Direct Red 236	32041430
Direct Red 238	32041430
Direct Red 239	32041430
Direct Red 254	32041450
Direct red dyes, all other	32041450
Direct Violet 35	32041450
Direct Violet 66	32041430
Direct Violet 99	32041450
Direct Violet 195	32041450
Direct violet dyes, all other	32041450
Direct Yellow 4	32041430
Direct Yellow 5	32041430
Direct Yellow 6	32041430
Direct Yellow 11	32041430
Direct Yellow 51	32041430
Direct Yellow 119	32041450
Direct Yellow 127	32041430
Direct Yellow 131	32041430
Direct Yellow 132	32041430

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS¹ No.</i>
Direct Yellow 133	32041420
Direct Yellow 137	32041430
Direct Yellow 147	32041430
Direct Yellow 148	32041450
Direct yellow 166	32041450
Direct yellow dyes, all other	32041450
N,N'-Disalicylidene-1,2-propanediamine	38119000
Di(sec-butyl)peroxydicarbonate	29209050
Disodium cyanodithioimidocarbonate	29309040
Disopyramide phosphate	29333937
Disperse Black 9	32041120
Disperse black dyes, all other	32041150
Disperse Blue 1	32041120
Disperse Blue 3	32041120
Disperse blue 14	32041120
Disperse Blue 27	32041120
Disperse Blue 56	32041110
Disperse Blue 60	32041120
Disperse Blue 62	32041120
Disperse Blue 64	32041120
Disperse Blue 73	32041110
Disperse Blue 79	32041110
Disperse Blue 102	32041120
Disperse Blue 118	32041120
Disperse Blue 148	32041110
Disperse Blue 175	32041150
Disperse Blue 183	32041110
Disperse Blue 200	32041110
Disperse Blue 281	32041150
Disperse Blue 291	32041150
Disperse Blue 333	32041150
Disperse Blue 337	32041150
Disperse Blue 359	32041120
Disperse blue dyes, all other	32041150
Disperse Brown 1	32041120
Disperse Brown 18	32041150
Disperse Brown 22	32041150
Disperse Brown 26	32041120
Disperse Green 9	32041110
Disperse Orange 3	32041120
Disperse Orange 25 and 25:1	32041120
Disperse Orange 29	32041120
Disperse Orange 30	32041120
Disperse Orange 37	32041120
Disperse Orange 41	32041120
Disperse Orange 44 and 44:1	32041120
Disperse Orange 73	32041150
Disperse Orange 89	32041120
Disperse Orange 138	32041150
Disperse oranges 153	32041150
Disperse Red 1	32041120
Disperse Red 4	32041125
Disperse Red 5	32041120
Disperse Red 11	32041120
Disperse Red 13	32041120

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>NTS No.</i>
Disperse Red 17	32041120
Disperse Red 22	32041120
Disperse Red 30	32041120
Disperse Red 50	32041120
Disperse Red 55	32041120
Disperse Red 60	32041120
Disperse Red 65	32041120
Disperse Red 73	32041110
Disperse Red 74	32041150
Disperse Red 86	32041120
Disperse Red 88	32041120
Disperse Red 91	32041120
Disperse Red 117	32041120
Disperse Red 135	32041120
Disperse Red 136	32041120
Disperse Red 137	32041120
Disperse Red 145	32041120
Disperse Red 153	32041150
Disperse Red 159	32041120
Disperse Red 167 and 167:1	32041120
Disperse Red 177	32041120
Disperse Red 179	32041120
Disperse Red 263	32041150
Disperse Red 273	32041150
Disperse Red 274	32041150
Disperse Red 278	32041110
Disperse Red 305	32041150
Disperse Red 307	32041150
Disperse Red 311	32041150
Disperse Red 313	32041120
Disperse Red 316	32041150
Disperse Red 325	32041150
Disperse Red 333	32041150
Disperse Red 338	32041150
Disperse Red 339	32041150
Disperse Red 340	32041150
Disperse Red 345	32041150
Disperse red dyes, all other	32041150
Disperse Violet 1	32041120
Disperse Violet 17	32041120
Disperse Violet 33	32041110
Disperse Violet 36	32041150
Disperse Violet 48	32041110
Disperse Violet 60	32041150
Disperse violet dyes, all other	32041150
Disperse Yellow 3	32041120
Disperse Yellow 23	32041120
Disperse Yellow 34	32041120
Disperse Yellow 42	32041120
Disperse Yellow 54	32041120
Disperse Yellow 64	32041120
Disperse Yellow 77	32041120
Disperse Yellow 86	32041120
Disperse Yellow 88	32041120
Disperse Yellow 108	32041120

See footnote at and of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS¹ No.</i>
Disperse Yellow 114	32041120
Disperse Yellow 126	32041110
Disperse Yellow 198	32041120
Disperse Yellow 238	32041120
Disperse Yellow 239	32041120
Disperse yellow dyes, all other	32041150
Distearyldimethyl ammonium methosulfate	29239000
Distearyl-3,3'-thiodipropionate	29309050
Distinnaxane, hexakis(2-methyl-2-phenylpropyl)	29310025
Disulfuram	29309028
1,1-Di(t-amyloxy)cyclohexane	29092000
1,1-Di(t-butyl peroxy) cyclohexane	29096050
1,1-Di(t-butyl peroxy)-3,3,5-trimethyl cyclohexane	29096050
Di-tertiary nonylpolysulfide	38239050
Di(tetrahydrofuryl)propane	29321950
2,2'-Dithiobis[benzothiazole]	29342010
Dithiobis(stearyl propionate)	29309050
Dithiocarbamic acid fungicides, acyclic, all other	29302050
Dithiodiglycolic acid	29309045
4,4'-Dithiodimorpholine	29339095
Dithiodipropionic acid	29309050
2,5-Di-p-toluidinoterephthalic acid	29224935
Di-tridecyl adipate	29171220
Ditridecyl maleate	29171927
Di-tridecyl phthalate	29173400
Di(tridecyl)-3,3'-thiodipropionate	29309050
Diundecyl phthalate	29173400
1,5-diureidonaphthalene	29299010
Divinylbenzene	29029090
Divinyltetramethyldisilazane	29310050
Divinyl tetramethyldisiloxane	29310050
1,1-Di-3,4-xylylethane	29029030
Diyl/diol/mercapto/etc/ether	29309050
Dobutamine	29222927
Docosanyl docosenoate	29159050
Docusate, potassium	29309050
Docusate, sodium	29309050
Dodecanedioic acid	29171950
Dodecene	29012910
Dodecenylsuccinic anhydride	29171950
Dodecyl alcohol, ethoxylated	29091910
Dodecyl alcohol, ethoxylated and phosphated	29190050
Dodecyl alcohol, ethoxylated and sulfated, ammonium salt	29209050
Dodecyl alcohol, ethoxylated and sulfated, sodium salt	29209050
Dodecyl alcohol (Lauryl alcohol)	29051700
Dodecylamine	29211950
Dodecylbenzene, straight-chain	29029030
Dodecylbenzene sulfonates, all other	29041037
Dodecylbenzenesulfonic acid	29041037
Dodecylbenzenesulfonic acid, ammonium salt	29041037
Dodecylbenzenesulfonic acid, calcium salt	29041037
Dodecylbenzenesulfonic acid, diethanolamine salt	29221200
Dodecylbenzenesulfonic acid, isopropanolamine salt	29221930
Dodecylbenzenesulfonic acid, isopropylamine salt	29211910
Dodecylbenzenesulfonic acid, (Mixed alkyl)amine salt	34021150

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Dodecylbenzenesulfonic acid, monoethanolamine condensate	34021350
Dodecylbenzenesulfonic acid, monoethanolamine salt	29221100
Dodecylbenzenesulfonic acid, potassium salt	29041037
Dodecylbenzenesulfonic acid, sodium salt	29041037
Dodecylbenzenesulfonic acid, triethanolamine salt	29221300
(Dodecylbenzyl)triethylammonium chloride	29239000
n-Dodecyl chloride	29031950
N-Dodecyl-N,N-dimethylamine	29211950
Dodecyldiphenyl oxide	29093050
Dodecyldiphenyloxidedisulfonic acid	29109020
Dodecyldiphenyloxidedisulfonic acid, disodium salt	29109020
n-Dodecylguanidine acetate (Dodine)	29252050
N-Dodecyl-3-iminodipropionic acid, disodium salt	29252050
N-Dodecyl-1-3-imino-dipropionic acid, monosodium salt	29252050
tert-Dodecyl mercaptan, ethoxylated	29309050
n-Dodecyl mercaptans	29309050
4-Dodecylmorpholine	29349050
4-(Dodecyloxy)-2-hydroxybenzophenone	29145020
Dodecyloxypoly(ethyleneoxy)acetic acid, sodium salt	34021150
Dodecylpentadecyl methacrylate	29161400
p-Dodecylphenol	29071920
Dodecylphenol, ethoxylated	29095040
Dodecylphenol, ethoxylated and phosphated	29190050
Dodecylphenol, sulfurized, calcium salt	29071920
Dodecyl pyridinium chloride	29333947
1-Dodecylpyridinium chloride	29333950
Dodecyl sulfate, ammonium salt	29209050
Dodecyl sulfate, diethanolamine salt	29221200
Dodecyl sulfate, magnesium salt	29209050
Dodecyl sulfate, sodium salt	29209050
Dodecyl sulfate, triethanolamine salt	29221300
Dodecyl and tetradecyl alcohols, ethoxylated and sulfated, ammonium salt	34021150
Dodecyltrimethylammonium bromide	29239000
Dodecyltrimethylammonium chloride	29239000
Doxapram hydrochloride	29349047
Doxazosin mesylate	29349025
Doxepin hydrochloride	29329045
Doxylamine succinate	29333937
d(±)a-Phenylethylamine	29214550
Drug and cosmetic dyes, all other	32041950
Drug and Cosmetic Green 5	32041940
Drug and Cosmetic Orange 4	32041940
Drug and Cosmetic Orange 5	32041940
Drug and Cosmetic Red 6	32041940
Drug and Cosmetic Red 7	32041940
Drug and Cosmetic Red 17	32041940
Drug and Cosmetic Red 21	32041940
Drug and Cosmetic Red 22	32041940
Drug and Cosmetic Red 27	32041940
Drug and Cosmetic Red 30	32041940
Drug and Cosmetic Red 33	32041940
Drug and Cosmetic Red 34	32041940
Drug and Cosmetic Red 36	32041940
Drug And Cosmetic Red 57:1	32041940
Drug And Cosmetic Red 101	32041940

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Drug and Cosmetic Yellow 5	32041940
Drug and Cosmetic Yellow 6	32041940
Drug and Cosmetic Yellow 8	32041940
Drug and Cosmetic Yellow 10	32041940
All other dyes	32041940
Edrophonium chloride	29239000
Eicosyl alcohol (Arachidyl alcohol; i.e., 20-carbon)	29051900
Enalapril maleate	29339090
Enflurane	29091910
Epichlorohydrin	29103000
Epichlorohydrin bisphenol A, ethoxylated	29095040
Epichlorohydrin elastomers (CO, ECO) type	40029900
Epoxides, ethers, acetals, all other	29109050
Epoxidized esters, all other	29189050
Epoxidized linseed oils	15180020
Epoxidized oleic acid, ammonium salt	34021150
Epoxidized soya oils	15180040
Epoxidized tall oils	15180040
Epoxy resins, advanced	39073000
Epoxy resins, unmodified	39073000
Ergocalciferol (vitamin D ₂)	29362950
Erucamide	29241010
[Erucyl alkyl]amine	34021250
Erythromycin	29415000
Erythromycin estolate	29415000
Erythromycin stearate	29415000
Ester tin mercaptoesters	29310050
Estradiol cypionate	29379200
Estrogens, all other	29379200
Estrogens, conjugated	29379200
Estrogens, esterified	29379200
Ethacrynic acid	29189030
1,2-Ethanediamine, N-(2-aminoethyl)-, ethoxylated and propoxylated	34021250
1,2-Ethandiol phosphate	29190050
Ethanolamine condensates, amine/acid ratio = 1/1, all other	34021350
Ethanolamine condensates, amine/acid ratio = 2/1, all other	34021350
Ethanol diglycine, disodium salt	29225050
Ethanol, 2,2',2"-nitrotris-tris(dihydrogen phosphate)ester, disodium salt	29190050
2-Ethanolpyridine	29333950
5-Ethoxy-3-trichloromethyl-1,2,4-thiadiazole	29420020
Ethers and thioethers, all other	34021350
Ethisterone	29420020
Ethopabate	29163150
Ethosuximide	29339090
Ethotoin	29332100
6-Ethoxy-12-dihydro-2,2,4-trimethyl quinoline	29334010
2-Ethoxyethanol (Ethylene glycol monoethyl ether)	29094400
2-(2-Ethoxyethoxy)ethanol (Diethylene glycol monoethyl ether)	29094400
242-(2-Ethoxyethoxy)ethoxy]ethanol (Triethylene glycol monoethyl ether)	29094950
2-(2-Ethoxyethoxy)ethyl acetate	29153947
2-Ethoxyethyl acetate	29153500
Ethoxylated anhydrosorbitol esters, all other	34021350
Ethoxylated anhydrosorbitol monolaurate	29159010
Ethoxylated anhydrosorbitol mono-oleate	29161550
Ethoxylated anhydrosorbitol monopalmitate	29157000

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Ethoxylated anhydrosorbitol monostearate	29157000
Ethoxylated anhydrosorbitol triester of tall oil acids	34021320
Ethoxylated anhydrosorbitol trioleate	29161550
Ethoxylated anhydrosorbitol tristearate	29157000
ethoxylated 1,3-butylene glycol condensed with oil fatty aciEthoxylated 1,3-butylene glycol stearate	34021320
Ethoxylated glycerol and propylene glycol esters of coco fatty acids	34021320
Ethoxylated glycerol sesquiester of mixed fatty acids	34021320
Ethoxylated 1,2-propanediol monostearate	29157000
Ethoxylated sorbitol beeswax ester	34021320
Ethoxylated sorbitol hexaester of tall oil acids	34021320
Ethoxylated sorbitol hexaoleate	29161550
Ethoxylated sorbitol lanolin ester	34021320
Ethoxylated sorbitol mono-oleate	29161550
Ethoxylated sorbitol monopalmitate	29157000
Ethoxylated sorbitol monostearate	29157000
Ethoxylated sorbitol oleate, acetylated	29161550
Ethoxylated sorbitol tetraester of lauric and oleic acids	34021320
Ethoxylated sorbitol tetraester of tall oil acids	34021320
Ethoxylated sorbitol tetraoleate	29161550
Ethoxylated sorbitol tetrastearate	29157000
1-Ethoxy-3-methylbenzene	29093040
4-Ethoxy-2-methyl-N-phenylaniline	29222935
2-Ethoxynaphthalene	29093020
3-Ethoxypropionitrile	29269050
Ethyl acetate (100% basis)	29153100
Ethyl acetoacetate	29183050
Ethyl acrylate	29161250
Ethyl acrylate methacrylic acid copolymer	39069050
Ethyl alcohol, phosphated, amine salt	29211910
Ethyl alcohol, synthetic	22071060
Ethylaluminum dichloride	29310050
Ethylaluminum sesquichloride	29310050
Ethylamine, mono-	29211910
2-(Ethylamino)-4-(isopropylamino)-6-(methylthio)-s-triazine (Ametryne)	29336900
o-Ethylaniline	29214275
N-Ethylaniline, refined	29214275
[2-(N-Ethylanilino)ethyl]trimethylammonium chloride	29239000
a-(N-Ethylanilino)-m-toluenesulfonic acid	29221940
Ethyl anthranilate	29224930
Ethylbenzene	29026000
(Ethylbenzyl)dimethyl(mixed alkyl)ammonium chloride	34021210
N-Ethyl-N,N-bis(polyoxyethylene)tallow ammonium ethyl sulfate	34021250
Ethyl butyrate	29156050
Ethyl cellulose	39123900
Ethyl chloride (Chloroethane)	29031100
Ethyl chloroformate	29159050
Ethyl 2-(4-chloro-6-methoxypyrimidin-2-yl)amino carbonyl amino sulfonyl benzoate (Chlorimuron ethyl)	29335915
Ethyl cinnamate	29159020
Ethyl cyanoacetate	29269050
Ethyl-2-cyano-3,3-diphenylacrylate	29269044
Ethyl cyclohexylamine	29213020
S-Ethyl cyclohexylmethyl thiocarbamate	29302010
S-Ethyl diisobutylthiocarbamate (Butylate)	29302050
Ethyl 4-dimethylaminobenzoate	29224930
Ethyl dimethyl(mixed alkyl)ammonium ethyl sulfate	34021250

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
N-Ethyl-1,2-dimethylpropylamine	29211950
S-Ethyl dipropylthiocarbamate (EPTC)	29302050
Ethyl-3,3-di(t-amylperoxy)butyrate	29159050
Ethyl 3,3-di(t-butyl peroxy) butyrate	29189050
Ethylene	29012100
N,N'-Ethylenebis(5,6-dibromo-2,3-norbornenedicarboximide)	29251950
Ethylene bis(dithiocarbamic acid),disodium salt (Nabam)	29302050
Ethylene bis(dithiocarbamic acid), manganese salt with zinc ions	29302050
Ethylene bisisostearamide	29241050
N,N'-Ethylene-1,2-bis-5-norbornene-2,3-dicarboximide	29251950
N,N'-Ethylenebis-oleamide (Oleic acid-ethylenediamine condensate (Amine/acid ratio = 1/2))	29241010
N,N'-Ethylenebis(stearamide)	29241010
Other ethylene copolymer resins	39019050
Ethylenediamine	29212100
Ethylenediamine, alkoxyated	34021250
Ethylenediamine dihydriodide	29212100
Ethylene dibromide	29033020
(Ethylenedinitrilol)tetraacetic acid, calcium disodium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, diammonium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, disodium copper salt, dihydrate	29224950
(Ethylenedinitrilol)tetraacetic acid, disodium salt	29224950
(Ethylenedinitrilol)tetraacetic acid, disodium zinc salt, dihydrate	29224950
(Ethylenedinitrilol)tetraacetic acid (Ethylenediaminetetraacetic acid) (EDTA)	29224940
(Ethylenedinitrilo)tetraacetic acid, magnesium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, manganese salt	29224950
(Ethylenedinitrilol)tetraacetic acid, monosodium iron salt	29224950
(Ethylenedinitrilo)tetraacetic acid, tetraammonium salt	29224950
(Ethylenedinitrilol)tetraacetic acid, tetrapotassium salt	29224950
(Ethylenedinitrilol)tetraacetic acid, tetrasodium salt	29224950
(Ethylenedinitrilo)tetraacetic acid, trisodium salt	29224950
Ethylene glycol	29053100
Ethylene glycol adipate	29171220
Ethylene glycol diacetate	29153947
Ethylene glycol dimercaptoacetate	29420050
Ethylene glycol dimethacrylate	29161400
Ethylene glycol distearate	29157000
Ethylene glycol di-tributyl ether	29091950
Ethylene glycol di-triethyl ether	29091950
Ethylene glycol di-tri-propyl ether	29094950
Ethylene glycol esters, all other	34021350
Ethylene glycol monostearate	29157000
Ethylene glycol sesquistearate	29157000
Ethylene(12)hydroxystearamide	29241010
Ethylene oxide	29101000
Ethylene-propylene copolymer	39023000
Ethylene-propylene (EP) type	40027000
Ethylene-vinyl acetate (EVA) copolymer resins	39013000
Ethyl-a,ft-epoxyl-methylhydrocinnamate	29163920
Ethyl ether	29091100
Ethyl 3-ethoxy propionate	29155050
3-1N-Ethyl-4-formyl-m-toluidine)propionitrile	29269044
Ethyl furoate	29189035
1-Ethyl-2-(8-heptadeceny1)-1-(2-hydroxyethyl)-2-imidazolium ethyl sulfate	29239000
Ethyl heptanoate	29159050
N-Ethyl-N-hexadecylmorpholinium ethyl sulfate	29239000

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>NTS No.</i>
2-Ethylhexanal (a-Ethylcaproaldehyde)	29121950
2-Ethyl-1,3-hexanediol	29053950
Ethyl hexanoate	29159050
2-Ethylhexanoic acid (a-Ethylcaproic acid)	29159018
2-Ethylhexanoic acid salts, all other	29159050
2-Ethyl-1-hexanol	29051600
2-Ethylhexanol and ethoxylated nonylphenol, polyphosphated	34021150
2-Ethylhexanol and ethoxylated nonylphenol, polyphosphated, sodium salt	34021150
2-Ethylhexanol, ethoxylated and phosphated	29190050
2-Ethylhexanol, ethoxylated, phosphated, potassium salt	29190050
2-Ethylhexanoyl chloride	29159050
2-Ethyl-1-hexyl acetate	29153950
2-Ethyl-1-hexyl acrylate	29161250
(2-Ethylhexyl)amine, mono-	29211950
N-(2-Ethylhexyl)bicyclo(2.2.11-5-heptene-2,3-dicarboximide)	29251950
2-Ethylhexyl chloroformate	29159050
2-Ethylhexyl-2-cyano-3,3-diphenylacrylate	29269044
2-Ethylhexyl-1-p-dimethylaminobenzoate	29214950
2-Ethylhexyl epoxytallates	29189050
2-Ethyl-1-hexyl methacrylate	29161400
2-Ethylhexyl-p-methoxy cinnamate	29163920
2-Ethylhexyl nitrate	29209050
2-Ethylhexyl oleate	29161550
2-Ethylhexyl palmitate	29157000
2-Ethylhexyl phosphate	29190050
2-Ethylhexylphosphate, potassium salt	29190050
2-Ethylhexyl phosphate, sodium salt	29190050
2-Ethylhexyl polyphosphate, sodium salt	29190050
2-Ethylhexyl salicylate	29182350
2-Ethylhexyl stearate	29157000
2-Ethylhexyl sulfate, sodium salt	29209050
2-Ethyl-2-hydroxymethylhexanol	29053950
4-Ethyl-4-hydroxymethylloxazoline	29349050
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol (Trimethylolpropane)	29054100
Ethylidene norbornene	29021900
Ethyl isovalerate	29156050
Ethyl laurate	29159010
Ethyl maleate, mono	29171927
Ethyl mercaptan (Ethanethiol)	29309050
Ethyl methacrylate	29159050
6-Ethyl-2-methylaniline	29214275
Ethyl-2-methyl butyrate	29156050
2-[Ethyl(3-methylphenylamino)ethanol	29221930
N43-11 -Ethyl-1-methylpropyl-5-isoxazoly1]-2,6-dimethoxybenzamide (Flexidor)	29349014
0-Ethyl O[4-(methylthio)phenyl] S-propyl phosphorodithioate	29201020
7-Ethyl-2-methyl-4-undecyl sulfate, sodium salt	29209050
2-Ethylmexanol, phosphated, potassium salt	29190050
4-Ethylmorpholine	29225050
Ethyl myristate	29159050
o-Ethylphenol	29071920
Ethyl phenylacetate	29153920
N-Ethyl-N-phenylbenzylamine	29214420
1-Ethylpiperidine	29333947
Ethyl propionate	29155050
N-Ethyl-N-(soybean oil alkyl)morpholinium ethyl sulfate	34021210

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS¹ No.</i>
Ethyl sulfate (Diethyl sulfate)	29209050
N-Ethyl-p-toluenesulfonamide	29350070
N-Ethyl-m-toluidine	29214320
Ethyl trimethyl cyclopentanyl buterol	29052250
Ethyl 3,7, 11-trimethyldodeca-2,4-di enoate	29161950
Ethyl valerate	29156050
Ethyl vinyl ether	29091910
Etidronate, disodium	29349025
Expandable polystyrene beads	39031100
External Drug and Cosmetic Orange 3	32041940
Fats and oils, chemically modified, all other	15180040
Fatty acid, alkanolamine ester	29225050
Fatty acid esters, not included with plasticizers surface-active agents, all other	29157000
Fatty acid polyamine condensate	38239050
Fatty acid/polyamine condensates	29212900
Fatty acid residues	38239050
Fatty acids	15191940
Fatty acids, hydrogenated	15162090
Fatty acids, partially hydrogenated	15162090
Fatty amines	29224950
Fenoprofen	29159020
Fenoprofen calcium	29189030
Fentanyl citrate	29333937
Fish oil, C ₁₄ -C ₂₂ menhaden, lead salts	15180040
Flavoxate hydrochloride	29333937
Florfenicol	29242939
Flotation reagents, all other	29301000
Flourescent Brightener 315	32042050
Flourescent Brightener 339	32042050
Fluconazole	29339046
Flucytosine	29335936
Fludrocortisone acetate	29372100
Flumethasone	29372200
Fluorelastomers (CFM, FKM, FFKM) type	40029100
Fluorescent Brightener 9	32042050
Fluorescent Brightener 22	32042050
Fluorescent Brightener 24	32042050
Fluorescent Brightener 28	32042050
Fluorescent Brightener 49	32042050
Fluorescent Brightener 52	32042050
Fluorescent Brightener 61	32042050
Fluorescent Brightener 71	32042050
Fluorescent Brightener 102	32042050
Fluorescent Brightener 128	32042050
Fluorescent Brightener 130	32042050
Fluorescent Brightener 134	32042050
Fluorescent Brightener 205	32042050
fluorescent brightener 231	32042050
Fluorescent brightener 231	32042050
fluorescent brightener 290	32042050
Fluorescent brightener 290	32042050
Fluorescent brighteners, all other	32042050
Fluorinated (Including other fluorohalogenated) hydrocarbons, all other	29034000
p-Fluoroaniline	29214220
o-Fluorobenzoyl chloride	29163970

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
o-Fluorobenzyl chloride	29163150
Fluorocarbon resins,all other	39046950
Fluorometholone	29372100
p-Fluoronitrobenzene	29049050
Flu oxeti ne	29223025
Fluoxymesterone	29379980
Flurbiprofen	29163940
Food, Drug, and Cosmetic Blue 1	32041940
Food, Drug, and Cosmetic Blue 2	32041940
Food, Drug, and Cosmetic Green 3	32041940
Food, Drug, and Cosmetic Red 2	32041940
Food, Drug, and Cosmetic Red 3	32041940
Food, Drug, and Cosmetic Red 4	32041940
Food, Drug, and Cosmetic Red 40	32041940
Food, Drug, and Cosmetic Yellow 5	32041940
Food, Drug, and Cosmetic Yellow 6	32041940
Formaldehyde, dicyandiamide, ethylene sulfate polymers	34021310
Formaldehyde (37% HCHO by Weight)	29121100
Formaldehyde polymer with ethylenediamine and nonyl phenol derivatives	38239050
Formic acid, 90%	29151100
1-Formylpiperidine	29333947
Fuel additives, acyclic, all other	38119000
Fuel additives, cyclic, all other	38119000
Fumaric acid	29171915
2-Furaldehyde (Furfuryl)	29321200
Furan	29321950
Furanacrolein	29321950
Furan derivatives, all other	29321950
Furfuryl alcohol	29321300
Furfuryl alcohol, ethoxylated	29321910
Furfuryl amine	29321950
Furfuryl type resins	39119050
Furoic acid	29321950
D-Galactose	29400000
Galaxolide (1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethyl-cyclopenta-y-2-benzopyran)	29109020
Gallium nitrate	28342950
Ganciclovir	29339070
Gasoline additives, acyclic, all other	38111900
Gasoline additives, cyclic, all other	38111900
Gemfibrozil	29189030
Gentamycin	29419010
Geranyl acetate	29153945
Geranyl butyrate	29156050
Geranyl ethyl ether	29091910
Geranyl formate	29151350
Geranyl isobutyrate	29156050
Geranyl nitrile (Citralva)	29269050
Geranyl propionate	29155050
Gibberellic acid	29322910
Glipizide	29339080
Glucagon	29379980
Glucosylase	35079000
Glucosheptonic acid, /3-isomer, sodium salt	29171950
Glucosheptonic acid, sodium salt	29171950
a-Gluconamidopropyl dimethyl-2-hydroxyethyl ammonium chloride	29239000

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS¹ No.</i>
Gluconic acid, potassium and sodium salts W/20% mix of sodium bisulfite-formaldehyde	29159050
Gluconic acid and salts, mixed	38239050
Gluconic acid, technical	29181610
D-Glucosamine hydrochloride	29400000
Glucose isomerase	35079000
Glucose oxidase	35079000
Glutamic acid hydrochloride	29224250
Glutaraldehyde	29121950
Glutaraldehyde bis(sodium bisulfite)	29130050
glutaric acid esters, all other	29171920
Glutethimide	29333930
Glycerides, mixed c ₁₄₋₁₈ and c ₁₆₋₁₉ , mono- and di-	29159050
Glycerides, mono, mixed	29159050
Glycerine, alkoxylated	34021320
Glycerol, alkoxylated, toluene diisocyanate copolymer	34021950
Glycerol diester of lard acids	34021320
Glycerol dilaurate	29159050
Glycerol ester of mixed decanoic and octanoic acids	34021320
Glycerol esters of chemically defined acids, all other	34021350
Glycerol esters of mixed acids, all other	34021350
Glycerol kinase	35079000
Glycerol monoallyl ether	29091950
Glycerol monocaprylate	29159050
Glycerol mono- and diesters of mixed (c ₁₈₋₁₈ unsaturated)acids	34021320
Glycerol mono- and diesters of mixed fatty acids	34021320
Glycerol monoester of C ₈ -C ₁₀ acids	34021320
Glycerol monoester of coconut oil acids, sulfated, sodium salt	34021150
Glycerol monoester of cottonseed oil acids	34021320
Glycerol monoester of hydrogenated cottonseed oil acids	34021320
Glycerol monoester of hydrogenated lard acids	34021320
Glycerol monoester of hydrogenated soybean oil acids	34021320
Glycerol monoester of lard acids	34021320
Glycerol monoester of mixed fatty acids, acetylated	34021320
Glycerol monoester of mixed fatty acids, succinylated	34021320
Glycerol monoester of mixed vegetable oil acid	34021320
Glycerol monoester of palm oil acids	34021320
Glycerol monoester of safflower oil acids	34021320
Glycerol monoester of tall oil acids	34021320
Glycerol monoester of tallow acids	34021320
Glycerol monolaurate	29159050
Glycerol mono-oleate	29161550
Glycerol mono-oleate, acetylated	29161550
Glycerol monoricinoleate	29161950
Glycerol monostearate	29157000
Glycerol sesquiester of hydrogenated tallow acids	34021320
Glycerol, synthetic only	15209000
Glycerol triester of mixed fatty acids	34021320
Glycerol trioleate	29161550
Glyceryl diacetate (Diacetin)	29153947
Glyceryl monoricinoleate	29181990
Glyceryl monothioglycolate	29309050
Glyceryl triacetate (Triacetin)	29153947
Glyceryl tri(acetylricinoleate)	29181990
Glyceryl triacetyl stearate	29157000
Glyceryl trioleate (Triolein)	29161550

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Glyceryl tripropionate	29155050
Glycidol (2,3-Epoxy-1-propanol)	29109050
α-Glycidoxypropyltrimethoxysilane	29310050
Glycidyl ethers, all other	29109050
Glycine (Aminoacetic acid), non-medical	29224940
Glycolic acid (Hydroxyacetic acid)	29189050
Glycolic acid, potassium salt	29181990
Glycolic acid, sodium salt	29181990
Glycol pelargonate	29159050
Glycol phthalate esters, all others	29173400
Glycol residues	38239050
Glycopyrrolate	29339070
Glyoxal	29121930
Glyoxal-formaldehyde resins	39072000
Gonadorelin, acetate	29379980
Grease, other than wool, sulfated, sodium salt	34021150
Guaiacwood acetate	29153910
Guaifenesin	29095050
Guanidines, cyclic, other	29252020
Guanine	29333947
Halcinonide	29372900
Heptachloro-tetrahydro-endo-methanoindene (Heptachlor)	29035910
2-(8-Heptadecenyloxy)-4-bis(hydroxymethyl)-2-oxazoline	29280050
2-Heptadecyl-1-(2-hydroxyethyl)-2-imidazoline	29280050
Heptaldehyde-aniline condensate	38121010
n-Heptane	29011040
Heptanoic acid	29159018
Heptanoic acid, potassium salt	29159050
3-Heptanone (Ethyl butyl ketone)	29141900
2-Heptanone (Methyl amyl ketone)	29141900
Heptenes, mixed	29012910
2-Heptylcyclopentanone	29142950
Herring oil, sulfated, sodium salt	34021150
Hetacillin	29419050
Hexabromocyclodecane	29035950
Hexabromocyclododecane	29035950
Hexachlorocyclopentadiene	29035930
1,4,5,6,7,7-Hexachloro-5-norbornene-2,3-dicarboxylic anhydride (Chlorendic anhydride)	29162000
Hexadecane	29011050
1-Hexadecanol (Cetyl alcohol)	29051700
Hexadecanolide	29045050
Hexadecene	29012950
n-Hexadecenylsuccinic anhydride	29171950
Hexadecyl alcohol, ethoxylated	29091910
Hexadecyl alcohol, propoxylated	29091910
Hexadecylamine	29211950
Hexadecyl chloride	29031950
N-Hexadecyl-N,N-dimethylamine	29211950
Hexadecyl hexadecanoate (Palmitic palmitate)	29157000
N-Hexadecylmorpholine	29225050
Hexadecyl nitrile	29269050
Hexadecyl stearate	29157000
Hexadecyl sulfate, sodium salt	29091920
Hexadecyltrimethylammonium bromide	29239000
Hexadecyltrimethylammonium chloride	29239000

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS ¹ No.
Hexafluoropropylene, monomer	29033020
Hexahydro-1-(12-aminophenylsulfonyl)-1h-azepine	29420010
Hexahydro-1,3-isobenzofurandione	29321910
Hexahydro-5-methyl-1,3-isobenzofurandione	29321910
Hexahydro-1-((2-nitrophenyl)sulfonyl)-1h-azepine	29420010
Hexahydrophthalic anhydride	29173950
Hexahydro-1,3,5-triethyl-s-triazine	29336900
Hexahydro-1,3,5-tris(2-hydroxyethyl)-5-triazine	29336900
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine	29336900
Hexamethyldisilazane	29310050
Hexamethyldisiloxane	29310050
Hexamethylenediamine adipate (Nylon salt)	29212205
Hexamethylenediaminetetra(methylenephosphonic acid), potassium salt	29310050
Hexamethylene-1,6-diisocyanate (HDI)	29291040
Hexamethyleneimine	29252050
Hexamethylenetetramine, tech.	29339087
N-hexanal	29121920
Hexane	29011040
Hexane-1,6-bis(tributylammonium bromide)	29239000
1,6-Hexanediamine (Hexamethylenediamine)	29212250
1,6-Hexanediol	29053950
n-Hexanoic acid	29159018
1-Hexene	29012910
Hexenes, mixed	38239045
cis-3-Hexen-1-yl acetate	29153945
cis-3-Hexenyl butyrate	29156050
cis-3-Hexenyl methyl carbonate	29209050
cis-3-Hexenyl salicylate	29182320
cis-3-Hexenyl tiglate	29161400
Hexyl acrylate	29161250
n-Hexyl alcohol	29051900
N-Hexyl alcohol, ethoxylated	29091910
Hexylalcohol, ethoxylated and phosphated	29190050
n-Hexylamine	29211950
α-Hexylcinnamaldehyde	29122950
Hexyl n-decyl phthalate	29173400
Hexylene glycol hydroperoxide	29096050
n-Hexyl mercaptan	29309050
Hexyl 2-methylbutyrate	29156050
Hexyl neopentanoate	29159050
Hexyl nitrate	29051900
2-12-(Hexyloxy)ethoxy]ethanol	29094400
Hexyloxypropyl amine	29211950
Hexyl phosphate	29190050
Hexyl phosphate, potassium salt	29190050
Hexyl sulfate, potassium salt	29209050
Hexyltrichlorosilane	29310050
Homomenthol salicylate	29163940
Other homopolymer resins of acrylic and/or methacrylic acid esters	39069020
Humatrope	29371000
Hydrabamine hydrobromide	29215150
Hydralazine hydrochloride	29339061
Hydratropaldehyde, dimethyl acetal	29110000
Hydrazine acetate	29152900
Hydrindantin	39094000

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>NTS No.</i>
Hydrocarbon amine, sulfonate acid	29224950
Hydrocarbon carboxylic acid derivatives (specify)	38239050
Hydrocarbon derivatives: all other hydrocarbon derivatives	29309050
Hydrocarbon phosphorous acid, barium salt	29190050
Hydrocarbon phosphoryl derivatives	29190050
Hydrocarbons, all other	29011050
Hydrocarbons, C ₄ , all other	38239045
Hydrocarbons, C ₅ , all other	38239045
Hydrocarbons, C ₅ , all other	38239045
Hydrocarbons, C ₇ , all other	38239045
Hydrocarbons, C ₈ , all other	38239045
Hydrocarbons, CB and above, all other, including mixtures	38239045
Hydrocarbons, C ₂ -C, mixtures	38239045
Hydrocarbons, C ₅ -C, mixtures	38239045
Hydrocarbons, C ₅ -C ₇ mixtures	38239045
Hydrocarbons, C ₄ fraction	38239045
Hydrocarbons, C₄ mixtures	38239045
Hydrocarbons, C ₅ mixtures	38239045
Hydrochlorothiazide	29350043
Hydrocodone bitartrate	29391020
Hydrocortisone	29372100
Hydrocortisone acetate	29372900
Hydrocoumarin	29322930
Hydrogenated castor oil, ethoxylated	34021350
Hydrogenated marine glycerides, sulfated, sodium salt	34021150
Hydrogenated menhaden fish oil	15161000
Hydrogenated nitrite (hnbr) type	40025900
Hydrogenated tallow acids, ethanolamine condensate (Ratio = 2/1)	34021350
(Hydrogenated tallow alkyl)amine	34021250
(Hydrogenated tallow alkyl)amine acetate	34021250
(Hydrogenated tallow alkyl)amine, ethoxylated	34021250
(Hydrogenated tallow alkyl)trimethylammonium chloride	34021250
Hydrogenated tallow amides, ethoxylated	34021350
1-(2-Hydrogenated tallow amidoethyl)-2-nor(hydrogenated tallow)-2-imidazoline	34021250
Hydrogenated tallow diethylenetriamine condensate	34021250
Hydrogenated tallow fatty acid aminoethylethanolamine condensation products	38099100
Hydrogenated tallow glycerides	15161000
Hydrogenated tallow glycerides diethylenediamine condensate	34021320
Hydrolytic enzyme mixtures	35079000
Other hydrolytic enzymes	35079000
Hydromorphone hydrochloride	29391020
Hydroquinone, di(fl-hydroxyethyl) ether	29094915
Hydroquinone (Hydroquinol)	29072210
Hydroquinone, tech.	29072250
Hydroxyacetic acid, potassium salt	29181750
2-Hydroxy-4-allyloxybenzophenone	29145020
p-Hydroxybenzenesulfonic acid	29082060
p-Hydroxybenzoic acid	29163150
p-Hydroxybenzoic acid, butyl ester	29182980
p-Hydroxybenzoic acid, ethyl ester (Ethyl paraben)	29182940
p-Hydroxybenzoic acid, methyl ester	29182980
p-Hydroxybenzoic acid, propyl ester	29182980
4-Hydroxy-2H-1,2-benzothiazine-3-carboxylic acid, methyl ester, 1,1-dioxide	29343050
Hydroxychloroquine sulfate	29334027
Hydroxycitronellal methyl anthranilate	29224930

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS I No.</i>
Hydroxycitronellol	29053950
2'-Hydroxy-5,9-dimethyl-6,7-benzomorphan	29420050
7-Hydroxy-3,7-dimethyl-1-octanal (Hydroxycitronellal)	29123020
Hydroxyethane-1-diphosphonic acid	29310050
2-Hydroxyethane.sulfonic acid,.sodium salt	29181990
4-Hydroxy-3-ethoxybenzaldehyde (Ethylvanillin)	29124200
Hydroxyethyl acrylate	29161250
Hydroxyethylcellulose	39123100
Nfi-Hyd roxyethyl-2, 4-d i hyd roxybenzamide	29242950
(2-Hydroxyethyl) dimethyl(3-stearamidopropyl)ammonium dihydrogen phosphate	29239000
(2-Hydroxyethyl) li methyl(3-stearamidopropyl)ammonium nitrate	29239000
N-(2-Hydroxyethyl)-1,2-diphenylethylenediamine	29215150
(N-Hydroxyethylethylenedinitrilo) triacetic acid	29225050
(N-Hydroxyethylethylenedinitrilo)triacetic acid, iron salt	29225050
(N-Hydroxyethylethylenedinitrilo)triacetic acid, magnesium salt	29225050
(N-Hydroxyethylethylenedinitrilo)triacetic acid, trisodium salt	29225050
1-Hydroxyethyl-1-(2-hydroxy-3-sodiumsulfonatopropyl)-2-nor-coconut oil fatty acids-2-imidazolium hydroxide	34021950
1-Hydroxyethyl-1-(2-hydroxy-3-sodiumsulfonatopropyl)-2-oley1-2-imidazolium hydroxide	29270050
N-(2-Hydroxyethyl)-12-hydroxystearamide	29241050
Hydroxyethylidene diphosphonic acid, potassium salt	29310050
Hydroxyethylidene diphosphonic acid, sodium salt	29310050
Hydroxyethyl methacrylate	29161300
Hydroxyethyl methacrylate	29161400
1-(2-Hydroxyethyl)-2-nonyl-2-imidazoline	29270050
1-(2-Hydroxyethyl)-2-nor(coconut oil alky1)-2-imidazoline	34021210
1-(2-Hydroxyethyl)-2-nor(tall oil alky1)-2-imidazoline	34021210
2-Hydroxyethyl n-octyl sulfide	29309040
3-Hydroxy-2-ethyl-4-pyrone (Ethylmaltol)	29329041
1-(2-Hydroxyethyl)-2-(tall oil alkyl)imidazoline, fatty acid salt	34021210
N-(2-Hydroxyethyl)-N,N',N'-tris(2-hydroxypropyl)-ethylenediamine	29212100
1-(2-Hydroxyethyl)-2-undecyl-3-carboxyethylimidazoline,sodium salt	29270050
Hydroxyethyl-2-undecyl-2,3-imidazoline	29270050
1-(2-Hydroxyethyl)-2-undecyl-2-imidazoline	29270050
4-Hydroxymetanilamide	29242950
4-Hydroxymetanilic acid	29222950
4-Hydroxy-3-methoxybenzaldehyde [Vanillin]	29124100
2-Hydroxy-4-methoxybenzophenone	29145020
2-Hydroxy-4-methoxybenzophenone	29145020
4(4-Hydroxy-3-methoxyphenyl)-2-butanone (Vanillylacetone)	29145020
2-[(Hydroxymethyl)amino]-2-methylpropanol	29221950
4-Hydroxy-2-methyl-2H-1,2-benzothiazine-3-carboxylic acid, methyl ester, 1,1-dioxide	29343050
Hydroxymethyl-bis-oxazoline	29349050
2-Hydroxymethylene-17a-ethinylandrosterone-17/1-01-4-en-3-one	29420020
2-(Hydroxymethyl)ethanol	29051900
Hydroxymethyl-5,5-hydantoin	29332100
Hydroxymethyl(methyl)dithiocarbamic acid, potassium salt	29302010
2-(Hydroxymethyl)-2-methyl-1,3-propanediol (Trimethylololthane)	29054920
2-(Hydroxymethyl)-2-nitro-1,3-propanediol (Tris-(hydroxymethyl)nitromethane)	29055050
4-Hydroxy-4-methyl-2-pentanone (Diacetone alcohol)	29144100
4-(4-Hydroxy-4-methyl pentyl)-3-cyclohexene-10-carboxaldehyde (Lyral)	29123050
3-Hydroxy-2-methyl-4-pyrone (Maltol)	29329041
3-Hydroxy-N-(3-N-morpholino-propyl)-2-naphthimide	29349040
6-Hydroxy-2-naphthalenesulfonic acid, sodium salt	29082020
1-Hydroxy-2-naphthoic acid	29182910
3-Hydroxy-2-naphthoic acid (B.O.N.)	29182980

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
1-Hydroxynaphthoic acid, methyl ester	29182980
4-Hydroxynonanonic acid, γ -lactone (γ -Nonalactone)	29322930
2-Hydroxy-4-octoxybenzophenone	29145020
2-Hydroxy-4-n-octoxybenzophenone	29145020
2-(1-Hydroxypentyl)-cyclopentanone	29322930
p-Hydroxy phenylbutanone	29147020
Hydroxyprogesterone	29379980
Hydroxypropyl acrylate	29161250
2-Hydroxypropyl cellulose	39123900
Hydroxypropyl guar gum	13023900
Hydroxypropyl methacrylate	29161400
N-2-hydroxy propyl-n-methyl-N,n-bis[alloy amide ethyl] ammonium ethyl sulfate	34021250
4-Hydroxyundecanoic acid, γ -lactone (γ -Undecalactone)	29322930
Hydroxyurea	29241050
Hydroxyzine pamoate	29335945
Hygromycin B	29420050
Ibuprofen	29163910
i-Butyraldehyde trimer	29124920
1H-Imidazole-1-ethanamine, 4,5-dihydro-, 2-nor(tall-oil alkyl derivatives, acetates	34021250
2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-	29332950
Imidazolidinedione, 1,3-bis(2-hydroxyethyl)-5,5-dimethyl-	29332950
2-Imidazoline-1-(2-aminoethyl)-2-(tall oil alkyl), ethoxylated	34021250
2,4-Imidazolidinedione, 5,5-dimethyl-formaldehyde polymer	29332950
Imidazoline from tall oil fatty acids and diethylenetriamine	38239050
Imidazolinium, 1-carboxymethyl)-4,5-dihydro-1-(hydroxyethyl)-2-nor(cocoalkyl), hydroxides, monosodium salts	34021250
Iminodiacetonitrile	29269050
N,N'-(Iminodi-2,1-ethanediy)Obis-tall oil fatty amides	34021250
Imipramine hydrochloride	29339057
1,2,3-Indantrione monohydrate (Ninhydrin)	29143000
Indomethacin	29339055
Insect attractants, all other	38089010
Insulin	29379100
Iodinated glycerol	29055050
Iodinated (Not otherwise halogenated) hydrocarbons, all other	29033020
o-Iodobenzoic acid	29163150
Iodobutane	29033020
Iodoethane (Ethyl iodide), non-medical	29033020
Iodoform	29031950
Iodomethane (Methyl iodide)	29033020
1-Iodoperfluorohexane	29034000
3-Iodo-2-propynyl butylcarbamate	29241010
p-Iodotoluene	29036960
Iohexol	29242939
a-Ionone	29142300
fl-Ionone	29142300
Ionone(a- and ft-)	29142300
Iothalamate, meglumine	29224925
Iron t-a-alkylcarboxylate	29159050
Iron dextran	30039000
Iron 2-ethylhexanoate	29159050
Iron naphthenate	38232000
Isoamyl phenylacetate	29163320
Isoascorbic acid (Erythorbic acid)	29322950
Isoascorbic acid, sodium salt (Sodium erythorbate)	29181990
Isobornyl acetate	29153945

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS¹ No.</i>
Isobornyl acrylate	29161300
Isobornyl methacrylate	29161400
Isobornyl methyl ether	29092000
Isobornyl propionate	29155050
Isobutane (2-Methylpropane)	29011040
Isobutanol, ethoxylated and sulfated, ammonium salt	29209050
Isobutyl acetate	29153945
Isobutyl acrylate	29161250
Isobutyl alcohol (Isopropylcarbinol)	29051400
Isobutylaluminum	29310050
Isobutylbenzene	29029030
Isobutylbiphenyl	29029090
Isobutyl chloroformate	29159050
Isobutylene (2-Methylpropene)	29012300
Isobutyl isobutyrate	29156050
Isobutyl methacrylate	29161400
Isobutyl oleate	29161550
Isobutylquinoline	29334045
Isobutyl stearate	29157000
Isobutyltrimethoxysilane	29310050
Isobutyraldehyde	29121940
Isobutyric acid	29156050
Isobutyric anhydride	29156050
Isobutyronitrile	29269050
Isocetyl stearate	29157000
Isocyanic acid derivatives, all other	29291060
Isodecyl acrylate	29161250
Isodecyl alcohol	29051900
Isodecyl alcohol, ethoxylated	29091910
Isodecyl alcohol, ethoxylated and propoxylated	29091910
Isodecyl diphenyl phosphate	29190050
Isodecyl mercaptoacetate	29309050
Isodecyl methacrylate	29161400
Isodecyl neopentanoate	29159050
Isodecyloxypropionitrile	29269050
Isodecyloxypropylamine	29221950
Isodecyloxypropylamine acetate	29221950
Isodecyloxypropylaminopropylamine	29221950
3-(3-Isodecyloxy)propylaminopropyl amine	29221950
Isodecyl pelargonate	29159050
Isoflupredone, acetate	29372200
Isoflurane	29091950
Isoheptanes	29011040
Isoheptyl alcohol	29051900
iso-Hexadecenyl succinic anhydride	29171950
Isohexadecyl alcohol(Isocetyl alcohol)	29051900
Isohexane	29011040
Isohexenyl tetrahydrobenzaldehyde (Myrac aldehyde)	29122950
Isolongifolene epoxide	29109050
Isomenthone	29142950
Isonanoic acid, mono- and triethanolamine salt	34021350
Isonicotinic acid	29333950
Isonicotinonitrile	29333950
Isononyl alcohol	29051900
Isooctadecanol	29051700

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Iso-octadecenylsuccinic anhydride	29171950
Iso-octadecyl alcohol	29051900
Isooctanoic acid, manganese salt	29159050
Iso-octyl alcohol	29051600
Iso-octyl alcohol, ethoxylated	29091910
Isooctyl-3,5-di-t-butyl-4-hydroxyhydrocinnamate	29181920
Iso-octyl mercaptoacetate	29309050
Iso-octyl-1-3-mercaptopropionate	29309050
Iso-octyl oleate	29161550
Iso-octylphenol, ethoxylated	29091910
Isooctyl phosphate	29190050
Isooctyl phosphate, potassium salt	29190050
Isopentane (2-Methylbutane)	29011030
Isopentyl acetate (Isoamyl acetate)	29153945
Isopentyl alcohol, ethoxylated and phosphated	29190050
Isopentyl benzoate	29163120
Isopentyl butyrate	29156050
Isopentyl formate	29151350
Isopentyl isovalerate	29156050
Isophorone diisocyanate	29329050
Isophorone (3,5,5-Trimethyl-2-cyclohexene-1-one)	29142910
Isophoronitrile	29269050
Isophthalic acid (Benzene-1,3-dicarboxylic acid)	29173915
Isophthalic acid, dimethyl ester	29173950
Isophthalonitrile	29269048
Isophthaloyl chloride	29173950
Isoprene (2-Methyl-1,3-butadiene)	29012420
Isopropanolamine condensates, all other	34021350
Isopropenylaluminum	29310050
Isopropyl acetate	29153950
Isopropyl alcohol	29051200
Isopropylamine, mono	29211910
2-Isopropylaminoethanol	29221950
Isopropylbiphenyl	29029090
Isopropyl borate	29310050
Isopropyl chloroformate	29159050
2-Isopropylcyclohexanol	29061900
6-Isopropyldecalone	29141900
Isopropyl ether	29091910
4,4'-Isopropylidenebis(2,6-dibromophenol), bis-2,3-dibromopropyl ether	29081035
4,4'-Isopropylidenediphenol (Bisphenol A)	29072300
4,4'-Isopropylidenediphenol, ethoxylated	29093050
4,4'-Isopropylidenediphenol, propoxylated	29093050
Isopropyl linoleate	29161550
Isopropyl mercaptan (2-Propanethiol)	29309050
Isopropyl-11-methoxy-3,7,11-trimethyldodeca-2,4-dienoate (Methoprene)	29189050
Isopropyl myristate	29159050
Isopropyl palmitate	29157000
o-Isopropylphenol	29071920
N-Isopropyl-N'-phenyl-p-phenylenediamine	29215150
isopropyl phosphate	29190050
Isopropyl stearate	29157000
Isopulegyl acetate	29153945
Isostearic acid, aminoethylethanolamide, acetate salt	29242950
Isostearic acid, mixed isopropanolamines salt	34021150

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
Isostearic acid, triethanolamine salt	29221300
Isostearic amphopropionate	29157000
Isostearyl alcohol, ethoxylated	29091910
Isostearyl isostearate	29159018
Isostearyl neopentanoate	29159050
Isovalerone (Diisobutyl ketone)	29141300
Itaconic acid (Methylenesuccinic acid)	29171950
Iyermectin	29110000
Kanamycin	29419050
Ketamine hydrochloride	29223035
Ketones, all other	29141300
Ketoprofen	29163970
Lactic acid, 100%	29181110
Lanolin, ethoxylated	34021320
Lard oil acids, diethanolamine condensate	34021350
Lard oil acids, diethanolamine condensate (Ratio = 1/1)	34021350
Lard, sulfated, sodium salt	34021150
Lasalocid, sodium	29349025
Latex type polyvinylidene chloride resins	39045000
3-Lauramido-N,N-dimethylpropylamine oxide	29225050
(3-Lauramidopropyl)trimethylammonium methyl sulfate	29239000
Lauric acid, alkanolamine condensate	34021350
Lauric acid, diethanolamine condensate (Ratio = 1/1)	34021350
Lauric acid, diethanolamine condensate (Ratio = 2/1)	34021350
Lauric acid esters, all other	29159050
Lauric acid, ethanolamine condensate (Ratio = 1/1)	34021350
Lauric acid salts, all other	29159050
Lauric acid, zinc salt	29159050
Lauric and myristic acid, diethanolamine condensate (Ratio = 1/1)	34021350
Lauric and myristic acids, alkanolamine condensate	34021350
Lauric and myristic acids, diethanolamine condensate (Ratio = 2/1)	34021350
Lauric and myristic acids, ethanolamine condensate (Ratio = 1/1)	34021350
Lauronitrile (Dodecyl nitrile)	29269050
Lauroyl chloride	29159050
Lauroyl lactylate, sodium salt	34021150
Lauroyl peroxide	29159050
N-Lauroylsarcosine, sodium salt	29224950
Lauryl acrylate	29161250
Lauryl alcohol, ethoxylated and phosphated	34021150
Lauryl alkyl dimethylamine acetate	38099910
Lauryl alkyl dimethylamine phosphate	38099910
Laurylamidopropyl betaine	29224950
Laurylamphoglycinate	29224950
Lauryl lactate	29181150
Lauryl methacrylate	29161400
Lauryl pyridinium chloride	29239000
Lead acetate	29152900
Lead t-a-alkylcarboxylate	29159050
Lead-cobalt neodecanoate	29159050
Lead 2-ethylhexanoate	29159050
Lead linoleate	29161550
Lead naphthenate	38232000
Lead neodecanoate	29159050
Lead stearate, dibasic	29157000
Leuco Sulfur Black 2	32041930

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Leuco Sulfur Black 11, 11:1	32041940
Leuco Sulfur Black 18	32041950
Leuco Sulfur Blue 7	32041940
Leuco Sulfur Blue 11	32041940
leuco sulfur blue 20	32041940
Leuco Sulfur Brown 1, 1:1	32041940
Leuco Sulfur Brown 3	32041940
Leuco Sulfur Brown 37	32041940
Leuco Sulfur Brown 52	32041940
Leuco Sulfur Brown 96	32041950
Leuco Sulfur Green 2	32041940
Leuco Sulfur Green 16	32041940
Leuco Sulfur Green 35	32041950
Leuco Sulfur Green 36	32041950
Leuco Sulfur Red 14	32041950
Leuco Sulfur Yellow 22	32041950
Leuprolide acetate	29420005
Levodopa	29224925
Levothyroxine, sodium	29379920
Lidocaine	29242935
Lidocaine hydrochloride	29242935
Light-oil distillates, all other	27079910
Lignin amine	34021250
Lignin, ethoxylated	29094950
Lignin, sodium salt	29209050
Ligninsulfates, all other	34021150
Ligninsulfonic acid, ammonium salt	29189045
Ligninsulfonic acid, calcium salt	29189045
Ligninsulfonic acid, chromium salt	29189045
Ligninsulfonic acid, iron salt	29189045
Ligninsulfonic acid, magnesium salt	29189045
Ligninsulfonic acid, manganese salt	29189045
Ligninsulfonic acid, mixed chromium and iron salts	29189045
Ligninsulfonic acid, mixed salt	29189045
Ligninsulfonic acid, sodium salt	29189045
Ligninsulfonic acid, zinc salt	29189045
I-Limonene	29029090
Linalyl anthranilate	29224930
Lincomycin (animal feed grade)	29419010
Lincomycin (medicinal grade)	29419010
Linear alcohols, sulfated, all other	34021150
Linoleic acid, diethanolamine condensate (Ratio = 1/1)	34021350
Linoleic acid, diethanolamine condensate (Ratio = 2/1)	34021350
Linoleic acid dimers, alkoxyated	34021350
Lisinopril	29337915
Lithium heparin	30019000
Lithium hydroxystearate	29310050
Lithium neodecanoate	29159050
Lithium ricinoleate	29181990
Lithium stearate	29157000
Lovastatin	29322920
Lubricating oil and grease additives, acyclic, all other	38112100
Lubricating oil and grease additives, cyclic, all other	38112100
2,6-Lutidine	29333910
Mafenide acetate	29350039

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Magnesium acetate	29152900
Magnesium methylate	29051900
Magnesium salicylate	29182110
Magnesium stearate	29157000
Maleic anhydride	29171410
Maleic anhydride, polypropylene glycol copolymer	34021250
Malic acid	29181930
D-Maltose	17029050
Manganese acetate	29152900
Manganese t-a-alkylcarboxylate	29159050
Manganese 2-ethylhexanoate	29159050
Manganese naphthenate	38232000
Manganese neodecanoate	29159050
Manganese stearate	29157000
Manganese tallate	29162000
Mannitol	29400000
Maprotiline hydrochloride	29214935
(m,p)-Cresol, from petroleum	27079930
Meclofenamate, sodium	29224925
Meclofenamic acid	29224925
Medicinal chemicals, all other	29420050
Medroxyprogesterone acetate	29379200
Medrysone	29372900
Mefenamic acid	29224925
Megestrol acetate	29379200
Melamine	29336100
Melamine formaldehyde methanol polymer	38099100
Melamine-formaldehyde resins	39092000
Melamine stearyl alcohol polymer	38099100
Melatonin	29339070
Melengestrol acetate	29379200
p-Mentha-1,4(8)-diene	29021900
dl-p-Mentha-1,8-diene (Limonene)	29021900
p-Mentha-1,8-diene (Limonene)	29029090
p-Mentha-1,3-diene (a-Terpinene)	29029090
p-Mentha-1,4-diene (γ-Terpinene)	29029090
p-Menthane	29021900
p-Menthane hydroperoxide	29096050
p-Menth-1-en-3-one (Piperitone)	29142950
p-Menth-4-(8)-en-3-one (Pulegone)	29142950
dl-Menthol, synthetic	29061100
l-Menthol, synthetic	29061100
Menthyl acetate	29153945
Meperidine hydrochloride	29399050
Mercaptoacetic acid (Thioglycolic acid)	29309050
2-Mercaptobenzothiazole	29342060
2-Mercaptobenzothiazole, copper salt	29342060
2-Mercaptobenzothiazole, sodium salt	29342020
2-Mercaptobenzothiazole, zinc salt	29342060
2-Mercaptoethanol	29309050
N-(Mercaptomethyl)phthalimide S-(0,0-dimethylphosphorodithioate)	29339020
3-Mercapto-1,2-propanediol (Thioglycerol)	29309050
3-Mercaptopropionic acid	29309050
Mercaptopropyltrimethoxysilane	29310050
Mercaptosuccinic acid (Thiomalic acid)	29309050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
2-Mercaptotoluimidazole, zinc salt	29342040
Mesalamine	29182110
Methacrylic acid	29161300
a-Methacryloxypropyltrimethoxysilane	29310050
Methadone hydrochloride	29225025
Methamphetamine	29214935
Methamphetamine hydrochloride	29214935
Methane	29011040
Methanearsonic acid, monosodium salt (MSMA)	29310050
Methane sulfonamide	29309050
Methanesulfonic acid	29041050
Methanesulfonic acid, zinc salt	29310050
Methanesulfonyl chloride	29041050
4,7-Methano-1 H-indene-2-methanol octahydro acetate	29153920
Methanol, synthetic	29051120
Metharbital	29335945
Methenamine	29339061
Methenamine mandelate	29339061
Methimazole	29349025
Methionine (animal feed grade)	29304000
Methocarbamol	29242939
Methotrexate	29339090
o-Methoxy benzaldehyde	29124920
4-Methoxybenzyl alcohol	29093050
p-Methoxybenzyl alcohol (Anisyl alcohol)	29094910
2-Methoxyethanol (Ethylene glycol monomethyl ether)	29094200
2-(2-Methoxyethoxy)ethanol (Diethylene glycol monomethyl ether)	29094200
2-12-12-Methoxyethoxy)ethoxyethanol (Triethylene glycol monomethyl ether)	29094950
2-(2-Methoxyethoxy)ethyl-2-methoxyethyl ether (Triethylene glycol dimethyl ether)	29094950
Methoxyethyl morpholine	29349050
Methoxymethyl morpholine	29349050
2-Methoxynaphthalene	29093020
d,1-2-(6'-Methoxy-2'-naphthyl)propionic acid	29189040
d,1-2-(6'-Methoxy-2'-naphthyl)propionic acid, N-n-octylglucamine salt	29221930
4-Methoxyphenol	29095050
3-14-Methoxyphenyl)-2-methyl propanal	29124920
1-p-Methoxyphenyl penten-1-one-3 (a-Methyl-anisalacetone)	29145020
3-(2-Methoxyphenyl)-2-propenal	29122950
Methoxypolyethylene glycol	29094950
2-Methoxy-4-propenylphenol, acetate	29153920
2-Methoxy-4-propenylphenol (Isoeugenol)	29094910
3-Methoxypropionitrile	29269050
1-Methoxy-2-propyl acetate	29153947
3-Methoxypropylamine	29221950
2-Methoxy-4-propylphenol	29094910
Methsuximide	29339061
Methylclothiazide	29349025
Methyl 3-	29302010
N-Methylacetamide	29241010
Methyl acetoacetate	29183050
Methyl acrylate, monomer	29161250
Methylamine, mono-	29211100
Methylaminoacetaldehyde dimethyl acetal (MAADMA)	29211950
2-Methylaminoethanol (N-Methylethanolamine)	29221950
3-Methyl-2-(and3)nonene nitrile	29269050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
5-Methyl-o-anisidine (NH ₂ =11	29222240
m-Methylanisole	29093040
Methyl anthranilate	29224910
2-Methylanthraquinone	29146950
PMethylbenzene propane'	29124920
Methyl benzoate	29163120
2-Methylbenzothiazole	29342060
4-Methylbenzotriazole	29270040
o-Methylbenzoyl chloride	29163940
a-Methylbenzyl acetate (Styralyl acetate)	29153920
N-Methylbenzylamine	29214950
2-Methyl-1,1-biphenyl(n-3-y1) methanol	29062950
N-Methylbis(coconut oil alkyl)amine	34021250
N-Methylbis(hydrogenated tallow alkyl)amine	34021250
Methyl bromide (Bromomethane)	29033020
2-Methyl-1-butanol	29051500
3-Methyl-1-butanol (Isoamyl alcohol)	29051500
3-Methyl-2-butenyl acetate	29153945
Methyl-1-(butylcarbamoyl)-2-benzimidazolecarbamate (Benomyl)	29339020
Methyl-t-butyl ether	29091910
2-Methylbutyl isovalerate	29156050
Methyl butyrate	29156050
Methylcellulose	39123900
Methyl chloroformate	29159050
2-Methyl-4-chlorophenoxy acid dimethylamine salt (MCPA DMA)	29189020
2-(2-Methyl-4-chlorophenoxy)propionic acid dimethylamine salt (MCPA DMA salt)	29189020
2-(2-Methyl-4-chlorophenoxy)propionic acid, iso-octyl ester	29189010
a-Methylcinnamaldehyde	29152950
Methyl cyanoacetate	29269050
2-Methyl-1,3-cyclohexadiene	29145050
Methylcyclohexane	29021900
2-Methylcyclohexylamine	29213020
3-1N-Methyl-N-cyclohexylamino)-6-methyl-7-anilino fluoran	29214945
1-(2-Methylcyclohexyl)-3-phenylurea (Siduron)	29242115
Methylcyclopentadiene	29021900
Methylcyclopentane	29021900
4-Methyl-2,6-di-tert-butylphenol	29071920
Methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate	29162000
Methyl didecylamine	29211950
Methyl dihydrogen phosphate	29190050
Methyl 2-(4,6-dimethoxy-pyrimidin-2-yl)amino carbonyl amino sulfonyl methyl benzoate (Bensulfuron) (Londax)	29335915
Methyl N',N'-dimethyl-N-Umethylcarbamoynoxy]-1-thiooxamidate	29309040
Methyl 24[U(4,6-dimethyl-2-pyrimidinylamino)1-carbonynamino]sulfonylbenzoate	29335910
N-Methyldioctadecylamine	29211950
Methyl-ditallowimidazolium methosulfate	34021250
N-Methyldithiocarbamic acid, potassium salt	29302010
N-Methyldithiocarbamic acid,sodium salt (Metham)	29302010
Methyldopa	29225016
N,N'-Methylenebis(acrylamide)	29241010
2,2'-Methylenebis(6-tert-butyl-p-cresol)	29071910
2,2'-Methylenebis(6-tert-butyl-4-ethylphenol)	29071920
4,4'-Methylenebis(2,6-di-tert-butylphenol)	29071920
2,2'-Methylenebis(4-methyl-6-tert-butylphenol)	29071920
Methylenebis(thiocyanate)	29309030
Methylene chloride (Dichloromethane)	29031200

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
4,4'-Methylenedianiline	29215930
1,2-Methylenedioxybenzene	29093050
5,5'-Methylenedisalicylic acid	29182150
2-Methylene undecanal	29121950
Methyl esters of cottonseed oil	29161950
Methyl esters of lard oil	29159050
Methyl esters of tallow	29161950
Methyl ethyl ketone	29141200
Methyl ethyl sulfide	29309050
a-(1-methylethyl-x-4-trifluore-methoxy phenyl)-5-pyrimidinemethan of (Flurprimidol)	29335915
Methyl formcel	38239050
Methyl p-formylbenzoate	29163150
Methylglucoside laurate	29159050
1-Methyl-2-(8-heptadeceny1)-1-(9-octadeceny1)amido ethyl	34021250
N-(1-Methylheptyl)ethanolamine	29221950
N-(1-Methylhepty1)-N'-phenyl-p-phenylenediamine	29215150
5-Methyl-2-hexanone (Methyl isoamyl ketone)	29141900
Methyl hexyl ether	29091910
Methyl(hydrogenated tallow alkyl)diethylamine condensate, polyethoxylated, methyl sulfate	34021250
Methylhydroquinone	29072250
1-Methyl-(2-hydroxyethyl)piperidine	29333947
Methyl 12-hydroxystearate	29181990
2,2'-(Methyliminoldiethanol (Methyldiethanolamine))	29221950
3-Methylindole (Skatole)	29339080
γ-Methylionone	29142300
Methylionone(α- and β-)	29142300
6-Methyl-α-ionone	29142300
Methyl isobutyl ketone	29141300
Methylisopropyl ketone	29141900
2-Methylactonitrile (Acetone cyanohydrin)	29269050
Methyl-N-IL-caroyd(hydrobenzy1)-b-amino crotonate, sodium salt	29214945
Methyl mercaptan (Methanethiol)	29309050
Methyl methacrylate-butadiene styrene (MBS) resins	39039010
Methyl methacrylate, monomer	29161400
N-Methyl-methanamine with borane (1:1)	29221950
Methyl N-methylantranilate	29224930
Methyl-2-methyl butyrate	29159050
S-Methyl-N-[Imethylcarbamoyl]oxy]thioacetimidate (Methomy1)	29309030
6-Methyl-2-(2-methyl-6-quinoly1)-7-benzothiazolesulfonic acid	29342040
2-Methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxime (Aldicarb)	29309030
4-Methylmorpholine	29349050
Methylnaphthalene	29029020
Methylnaphthalenesulfonic acid, sodium salt	29041037
Methyl neodecanamide	29211950
N-Methyl-p-nitroaniline	29214230
4-Methyl-2-nitroanisole	29093040
1-(2-Methyl-4-nitrophenyl)pyrrolidine	29337950
2-Methyl-2-nitro-1-propanol	29055010
Methyl 2-1[RN-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)lthylaminoicarbonyllamino]sulfonyl]benzoate	29336900
2-Methyl-5-norbornene-2,3-dicarboxylic anhydride	29172000
1-methyl-2-nor-tallow-1-12-tallow amidoethylimidazoliummethyl sulfate	34021210
N-Methyl-N-octyl-1-decanamine	29211950
N-Methyl-N-octyl-1-octanamine	29211950
Methyl oleate	29161550
Methyl oleate, sulfated, sodium salt	29161550

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
N-Methyl-N-oleoyltaurine, sodium salt	29241050
Methyl-3-oxo-2-pentane acetate	29153945
Methyl pentachlorostearate	29159050
2-Methyl-2,4-pentanediol (1-lexylene glycol)	29053950
2-Methyl-1-pentanol	29051900
4-Methyl-2-pentanol (1-Methylisobutylcarbinol)	29051900
4-Methyl-3-penten-2-one (Mesityl oxide)	29141900
N-11-Methylpenty1)-N'-phenyl-p-phenylenediamine	29215150
Methylphenidate hydrochloride	29333930
Methyl phenylacetate	29163320
3-Methyl-5-phenyl-1-pentanol	29062920
1-Methyl-3-phenyl-5(3-(trifluoromethyl)phenyl)-4(1H)-pyridone (Fluridone)	29349014
Methyl/phthalic ester isomer mixture	29173930
1-Methylpiperidine	29333947
2-Methylpiperidine	29333947
3-(2-Methylpiperidino)propyl-3,4-dichlorobenzoate (Pipron)	29339020
Methyl pivalate	29159050
N-Methyl-N-polyoxyethylene-N,N-bis(hydrogenated tallow amidoethyl)ammonium	34021250
N-Methyl-N-polyoxyethylene-N,N-bis(tallow amidoethyl)	34021250
Methylprednisolone	29372100
2-Methyl-2-propanamine with borane(1:1)	29221950
Methylpropyl ketone	29141900
Methylpseudoionone	29141900
1-Methyl-2-pyrrolidone, monomer	29337920
2- and 5-Methyl resorcinol	29072960
Methyl ricinoleate	29181990
Methyl ricinoleate, methylated	29161950
Methyl salicylate	29182320
Methyl stearate	29157000
p-Methylstyrene	29029030
a-Methylstyrene	29029090
a-Methyl styrene polymers	39039050
ar-Methylstyrene (Vinyltoluene)	29029090
Methyl sulfate (Dimethyl sulfate)	29209050
Methyl sulfoxide (Dimethyl sulfoxide)	29309050
N-Methyl-N-(tall oil acyl)taurine, sodium salt	34021150
Methyl-1-tallowamidoethyl-2-tallowimidazolium-methyl sulfate	34021210
Methyltallowdiethylenetriamine condensate, polyethoxylated, methyl sulfate	34021250
Methyltallowdiethylenetriamine condensate, polypropoxylated, methyl sulfate	34021250
N-Methyl taurine, sodium salt (2-Methyl-2-aminoethanesulic acid, sodium salt)	29309050
Methyltestosterone	29379980
Methyl tetrahydrofuran	29321950
Methyltetrahydrophthalic anhydride	29173950
Methyl tri(C9-10)ammonium chloride	34021250
Methyltrimethoxysilane and polymethyltrisiloxane	29310050
Methyltrioctylammonium chloride	29239000
2-Methylundecanal	29121920
Methylvinyl cyclic siloxane	29310050
Methyl vinyl ether	29091910
Metoclopramide hydrochloride	29225025
Metronidazole	29339046
Metyrapone	29333937
Minoxidil	29333937
Miscellaneous acyclic chemicals, all other	29420050
Mitotane	29036960

See footnote at end of table.

Appendix B — Continued
 Alphabetical Chemical Index

Chemical Name	NTS No.
Mivacurium chloride	29334027
Mixed alcohol borates	38239050
Mixed alcohols, ethoxylated	34021320
Mixed alkane sulfonic acid, sodium salt	34021150
3-(Mixed alkoxy)propylamine, ethoxylated oxides	34021250
3-(3-Mixed alkoxy)propylaminopropyl amine	34021250
(Mixed alkyl)amine	34021250
(Mixed alkyl)amine, ethoxylated	34021250
(Mixed alkyl)amine phosphate	34021250
Mixed alkyl amphopropionate	34021150
Mixed alkyl benzoate	34021310
Mixed t-a-alkylcarboxylic acid salts	38239050
(Mixed alkyl)phenol alkylenediaminealkanolamine formaldehyde	34021310
(Mixed alkyl)phenol epichlorohydrin-formaldehyde, alkoxyated	34021310
(Mixed alkyl)phenol, ethoxylated	34021310
(Mixed alkyl)phenol-formaldehyde, alkoxyated	34021310
Mixed alkyl phenol sulfate, ethoxylated, triethanolamine salt	34021110
Mixed alkyl phoshate, sodium salt	34021150
Mixed alkyl phosphate	34021150
Mixed alkyl phosphate, alkylamine salt	34021150
Mixed alkyl phosphate, diethanolamine salt	34021150
Mixed alkyl phosphate, potassium salt	34021150
Mixed alkyl phosphate, triethanolamine salt	34021150
N-(Mixed alkyl)polyethylenepolyamine	34021250
Mixed alkyl stearate	34021320
(Mixed alkyl)sulfobetaine	34021950
N-(Mixed alkyl)sulfonyllycine, sodium salt	34021150
Mixed carboxylic acids, diethanolamine condensate	34021350
Mixed carboxylic acids, diethanolamine condensate	34021350
Mixed dialkyl hydrogen phosphates, amine salts	38239050
Mixed fatty acid amide with diethylene triamine/ethyl sulfate	34021250
Mixed fatty acids-alkylenediamine condensate, polyethoxylate	34021250
Mixed fatty acids, diethanolamine condensate	34021350
Mixed fatty acids, diethanolamine condensate (Ratio =1/1)	34021350
Mixed fatty acids-polyalkylenepolyamine condensate	34021250
Mixed fish oils, sulfated, ammonium salt	34021150
Mixed fish oils, sulfated, sodium salt	34021150
Mixed higher glycol amine (MHGA)	29221950
Mixed linear alcohols, alkoxyated	34021350
Mixed linear alcohols, alkoxyated, all other	34021350
Mixed linear alcohols, alkoxyated and phosphated, potassium salt	34021150
Mixed linear alcohols, ethoxylated	34021350
Mixed linear alcohols, ethoxylated, benzyl ether	34021310
Mixed linear alcohols, ethoxylated and phosphated	34021150
Mixed linear alcohols, ethoxylated and phosphated, sodium salt	34021150
Mixed linear alcohols, ethoxylated and propoxylated	34021350
Mixed linear alcohols, ethoxylated and sulfated, ammonium salt	34021150
Mixed linear alcohols, ethoxylated and sulfated, sodium salt	34021 150
Mixed linear alcohols, sulfated, ammonium salt	34021 150
Mixed linear alcohols, sulfated, diethanolamine salt	34021150
Mixed linear alcohols, sulfated, sodium salt	34021150
Mixed linear alcohols, sulfated, triethanolamine salt	34021150
Mixed linear olefin sulfonate	34021150
Mixed oleic, lauric, stearic, and palmitic hexaglycerol esters	34021320
Mixed(secondary linear alcohol)polyethylene propionic acid, sodium salt	34021 150

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Mixed tall oil and rosin acids, ethoxylated	34021320
Mixed vegetable fatty acids, potassium salt	34021150
Mixed vegetable oils, sulfated, ammonium salt	34021150
Mixtures not specifically itemized, all other	38239050
Mixtures of alcohols, C ₁₂ and higher, other	38239050
Modified rosin esters	38063000
Modified rosin (unesterified)	38061000
Molindone hydrochloride	29339061
Molybdenum 2-ethylhexanoate	29159050
Mometasone	29372900
Monesin	29322920
[Mono-(C ₁₀₋₁₈)alkyl derivatives]benzenesulfonic acid, ammonium salt	29041037
Monoethanolamine	29221100
Monoethanolamine borate	29310050
Monohydric alcohol esters, all other	29159050
Monoisopropanolamine	29221950
Mordant Brown 1	32041940
Mordant Brown 33	32041940
Mordant Brown 70	32041940
Mordant Orange 1	32041940
Mordant Orange 6	32041940
Mordant Orange 8	32041940
Mordant Yellow 20	32041940
Morphine sulfate	29391050
Morpholine	29349050
Morpholine salt of gluconic acid	29339095
Morpholine salt of p-toluene sulfonic acid	29163970
N-Morpholinyl-2-benzothiazolyl disulfide	29331940
p-Morpholinyl-2,5-dibutoxybenzene diazonium chloride	29349020
2,2'-(m-Tolylimino)diethanol	29252020
Mustard seed oil fatty acids diethylenetriamine, phosphate salt	34021250
Mustard seed oil, sulfated, sodium salt	34021150
Myrcene	29012950
Myrcenyl acetate	29153945
Myristic acid, diethanolamine condensate (Ratio = 1/1)	34021350
Myristic acid esters, all other	29159050
Myristyl alcohol, propoxylated	34021350
Myristyl lactate	29181150
Myristyl myristate	29159050
Myristyl stearate	29157000
Nadolol	29214940
Nafcillin, sodium	29420020
Naphazoline hydrochloride	29332920
Naphthalene	27074000
1-Naphthaleneacetamide	29242915
1-Naphthaleneacetic acid, ethyl ester	29163970
1-Naphthaleneacetic acid, sodium salt	29163970
Naphthalene, crude, solidifying at 76° C to less than 79° C	27074000
Naphthalene, crude, solidifying at less than 74° C.	27074000
Naphthalenesulfonates, all other	34021110
Naphthalenesulfonic acid, bis(1-methylethyl)-, compounded with cyclohexanamine (1:1)	29041037
1-Naphthalenesulfonic acid, formaldehyde condensate and salt	38099910
2-Naphthalenesulfonic acid, formaldehyde condensate and salt	38099910
Naphthalene sulfonic acid, polymer with formaldehyde and 4,4'-dihydroxydiphenyl sulfone	34021310
Naphthalene sulfonic acid, sodium salt, formaldehyde condensate	29041037

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Naphthalimide	29251920
Naphthenate driers, mixed salts	38232000
Naphthenic acid, acid number 150-199	38232000
Naphthenic acid, acid number 200-224	38232000
Naphthenic acid, acid number less than 150	38232000
Naphthenic acid,copper salt	29163970
Naphthenic acid, ethoxylated	34021150
Naphthenic acid/polyamine condensates	29215940
Naphthenic acids-polyalkylene polyamine condensate	34021210
Naphthenic acids-tall oil fatty acids-polyalkylene polyamine condensate	34021210
fi-Naphthol, ethoxylated	29095040
Naphthol reds, all other	32041750
p-(2-Naphthylamino)phenol (N-(p-Hydroxyphenyl)-2-naphthylamine)	29222950
1-Naphthyl N-methylcarbamate (Carbaryl)	29242919
Narasin	29412000
Natural fats and oils, ethoxylated, all other	34021320
(NBR) type	40025900
Neat's foot oil, sulfated, sodium salt	34021210
Neodecanoic acid	29159018
Neodecanoic acid, potassium salt	29159050
Neodecanoic acid salts, all other	29159050
Neodecanoyl chloride	29159050
Neoheptanoyl chloride	29159050
Neohexane (2,2-Dimethylbutane)	29011040
Neomycin (animal feed grade)	29419010
Neomycin (medicinal grade)	29419010
Neopentanoic/neoheptanoic acids	29159018
Neopentyl glycol glutarate	29171920
Neopentylglycol hydroxyphosphate	29159050
Neopentyl glycol oleate	29161550
Neopentyl glycol vegetable oil ester	29159050
Netilmicin	29389000
Niacinamide (medicinal grade)	29362915
Niacin (medicinal grade)	29361000
Nickel acetate	29152900
Nickel 2-ethylhexanoate	29159050
Nicotinyl tartrate	29399050
Nifedipine	29333937
Nitarsons	29310022
Nitriles, all other	29269050
Nitriloacetic acid, zinc salt	29224950
Nitrilotriacetic acid	29224940
Nitrilotriacetic acid, trisodium salt	29299050
Nitrilo-tris-methylene triphosphonic acid	29310050
Nitrilo-tris-methylene triphosphonic acid, sodium salt	29310050
o-Nitroaniline	29214275
p-Nitroaniline	29214275
-Nitrobenzamide	29242950
Nitrobenzene	29042035
m-Nitrobenzoic acid	29163970
o-Nitrobenzoic acid	29163970
p-Nitrobenzoic acid	29163970
m-Nitrobenzoic acid, sodium salt	29163970
p-Nitrobenzylacetoacetate	29163940
p-Nitrobenzylmalonate magnesium salt	29173950

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

Chemical Name	HTS ¹ No.
4-12-Nitrobutyl) morpholine	29349050
2-Nitro-p-cresol	29089050
5-Nitrodimethylisophthalate	29181930
Nitrodiphenylamine	29214410
Nitroethane	29042050
Nitrogenous compounds, acyclic, all other	29299050
5-Nitroisophthalic acid	29173950
Nitromethane	29042050
p-Nitrophenethyl alcohol	29062950
p-Nitrophenol	29089008
p-Nitrophenol, sodium salt	29089050
1-Nitropropane	29042050
2-Nitropropane	29042050
5-Nitrosalicylic acid	29182980
p-Nitrosophenol	29089050
4-Nitrosophenol, sodium salt	29089050
N-Nitrosophenylhydroxylamine, ethanolamine salt	29225030
m-Nitrotoluene	29042035
o-Nitrotoluene	29042035
p-Nitrotoluene	29042010
Nitrotoluene mixtures	29042045
Nizatidine	29349025
Nonanal	29121950
1,3-Nonanediol acetate	29153945
Nonene (Tripropylene)	29012910
Nonenylsuccinic anhydride	29171950
Nonionic surface-active agents, all other	34021350
Non-nylon type, polyamide resins	39089000
Nonyldiphenylamine mixture (Mono-, di-, and tri-)	29214420
tert-Nonyl mercaptan	29309050
Nonylphenol	29071300
Nonylphenol, barium salt	29071920
Nonylphenol, ethoxylated	29095040
Nonylphenol, ethoxylated and carbonated, sodium salt	34021150
Nonylphenol, ethoxylated, coconut oil esters	34021350
Nonylphenol, ethoxylated and phosphated	29190030
Nonylphenol, ethoxylated and phosphated, diethanolamine salt	29190050
Nonylphenol, ethoxylated and phosphated, sodium salt	29190050
Nonylphenol, ethoxylated and propoxylated	29095040
Nonylphenol, ethoxylated and sulfated, ammonium salt	29209020
Nonylphenol, ethoxylated and sulfated, sodium salt	29095040
Nonyl phenol, ethoxylated with mixed fatty acids	29095040
Nonyl phenol ethoxylate, oleate	34021310
Nonylphenol-formaldehyde, alkoxyated	34021310
Nonylphenol glycidyl ether	29109020
Nonylphenol poly(ethyleneoxy)acetic acid, sodium salt	29153930
Nonylphenol, propoxylated	29095030
nonylphenoxy ethoxycocoate	29095040
Nonylphenoxypoly(ethyleneoxy)ethyl iodide	29109020
Nonylphenyl phosphites, mixed	29190030
Nonyl acetate	29153945
5-Norbornene-2,3-dicarboxylic anhydride	29172000
2-Nor-tall oil alkyl-1-tall oil amido-ethyl imidazoline	34021250
Nortriptyline hydrochloride	29214935
Noscapine	29334027

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Novobiocin, sodium	29420020
Nylon 6/6	39081000
Nylon 6 (Polymer for fiber, only)	39081000
Nylon type, polyamide resins	39081000
Nystatin (medicinal grade)	29412000
Ocimene	29012910
Ocimenyl acetate	29153945
Octabromodiphenyl oxide	29093040
Octachlorohexahydro-4,7-methanoindene (Chlordan)	29035910
Octadecane nitrile	29269050
Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt	29159050
1-Octadecanol (Stearyl alcohol)	29051700
Octadecenitrile (Oleonitrile)	29269050
cis-9-Octadecen-1-ol (Oleyl alcohol)	15193060
9-Octadecenyl alcohol, ethoxylated	29091910
9-Octadecenyl alcohol, ethoxylated and phosphated	29190050
9-Octadecenylamine	2921 1950
(9-Octadecenyl)amine, ethoxylated	29211950
Octadecenyl succinic anhydride	29171950
N-(9-Octadecenyl)trimethylenediamine	29212900
Octadecylamine, ethoxylated and phosphated, sodium salt	34021150
Octadecyl alcohol, ethoxylated	29095040
Octadecylamine	29211950
Octadecylamine acetate	29211950
Octadecylamine, ethoxylated	29211950
Octadecyl chloride	29031950
N-Octadecyl-N,N-di(2-hydroxyethyl)-N-methylammonium chloride	29239000
N-Octadecyl-N,N-dimethylamine	29211950
N-Octadecylsulfosuccinamic acid, disodium salt	29241050
Octahydro-5-methoxy-4,7-methano-11-1-indene, 2-carboxaldehyde	29124920
(-)Octamandelate	29181750
Octanal	29121920
n-Octane	29011040
n-Octanesulfonic acid, sodium salt	29159050
Octanoic acid (Caprylic acid)	29159018
Octanoic acid (Caprylic acid) salts, all other	29159050
Octanoic acid, 2-ethyl-2-oxo-1-methyl-1,3-propanediyl ester	29183050
1-Octanol	29051600
2-Octanol (sec-Capryl alcohol)	29051600
2-Octanone (Hexyl methyl ketone)	29141900
Octenes, mixed	38239045
Octenylsuccinic anhydride	29171950
N-Octyl acetate	29153945
tert-Octylamine	29211950
Octyl chloride	29031950
n-Octyldecyl mercaptan	29309050
Octyl/decyloxypropylamine	29221950
n-Octyl n-decyl phthalate	29173400
Octyldimethylamine oxide	29225050
Octyldiphenylamine	29214450
Octyldiphenylamine, alkylated	29214420
N-n-Octyl glucamine	29221950
2-n-Octyl-4-isothiazolin-3-one	29349012
Octyl isovalerate	29156050
n-Octyl mercaptan	29309050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
tert-Octyl mercaptan	29309050
N-(3-(Octyloxy)propyl)-1,3-propanedimine	34021250
Octylphenol	29071300
n-Octylphenol, ethoxylated	29095040
Octylphenol, ethoxylated and phosphated	29190030
Octylphenol, ethoxylated and sulfated, sodium salt	29209020
n-Octylphenol, ethoxylated and sulfonated, sodium salt	29089040
tert-Octylphenol-formaldehyde, ethoxylated	34021320
Octyl phosphate, alkylamine salt	34021150
Octyl polyphosphate	29190050
Octyl polyphosphate, potassium salt	29190050
Octyl sulfate, sodium salt	29209050
Octyltin vinyl additives	29310050
N-Octyltriethoxy silane	29310050
Oil-soluble petroleum sulfonate, all other	38239050
Oil-soluble petroleum sulfonate, barium salt	38239050
Oil-soluble petroleum sulfonate, calcium salt	38239050
Oil-soluble petroleum sulfonate, magnesium salt	38239050
Oil-soluble petroleum sulfonate, mixed salts	38239050
Oil-soluble petroleum sulfonate, sodium salt	38239050
Oleamide (Octadecene amide)	29241010
Oleamidopropyl betaine	38239050
Oleamidulosuccinamic acid, disodium salt	29041037
Oleic acid, diethanolamine condensate (Ratio = 1/1)	34021350
Oleic acid, diethanolamine condensate (Ratio = 2/1)	34021350
Oleic acid, diethanolamine salt	29221200
Oleic acid-N,N-dimethyltrimethylenediamine condensate	34021250
Oleic acid esters, all other	29161550
Oleic acid, isopropanolamine condensate	34021350
Oleic acid, mixed isopropanolamine salt	34021150
Oleic acid, potassium salt	29161550
Oleic acid, sodium salt	29161550
Oleic acid, sulfated	29161550
Oleic acid, sulfated, disodium salt	29161550
Oleic acid, triethanolamine salt	29221300
N-(Oleoyloxyisopropyl)sulfosuccinamic acid	29041037
Oleoylpalmitamide	29241010
Oleyl alcohol, ethoxylated	29091910
Oleyl betaine	29299050
Oleyl oleate	29161550
Oleyl sulfate, sodium salt	29209050
Olive oil acids, potassium salt	34021150
Organo-boron compounds, all other	29310050
Organo-nickel compounds	29310050
Organophosphorus insecticides, cyclic, all other	29310025'
Organo-silicone compounds, all other	29310050
Organo-tin compounds, all other	29310050
Organo-zinc compounds, all other	29310050
Ormetoprim	29335936
Orphenadrine citrate	29214940
7-Oxabicyclo-(2.2.1)-heptane-2,3-dicarboxylic acid, disodium salt (Endothall)	29329050
Oxacillin, sodium	29411030
Oxamide	29241010
4,4(5H)-Oxazole dimethanol, 2-(heptadecenyl)	29349050
Oxidized Fischer-Tropsch wax	29420050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Oxidized hydrocarbon mixture	38239050
Oxirane methanol carboxylates/methylenebis(benzeneamine)	29214230
Oxirane, methyl-, polymer with oxirane, didodecylbenzenesulfonate	29041037
Oxoalcohol bottoms, sulfated, sodium salt	34021150
Oxoaluminum benzoate/2-ethylhexanoate	29310050
Oxoaluminum isopropoxide	29310050
Oxoaluminum stearate	29157000
3-Oxo-1,2-benzisothiazoline-2-acetic acid, methyl ester, 1,1-dioxide	29342060
3-Oxo-2-pentylcyclopropane acetic acid	29153945
Oxo process bottoms	29420050
Oxtriphylline	29395000
Oxyaluminum benzoate	29163150
Oxyaluminum octanoate	29189050
p,p'-Oxybis(benzenesulfonylhydrazide)	29309028
Oxybutynin chloride	29224925
Oxycodone hydrochloride	29391020
Oxycodone terephthalate	29391020
4,4'-Oxydianiline	29221940
N-Oxydiethylene-2-benzothiazolesulfenamide	29309050
Oxygen-containing quaternary ammonium salts (Except those having amide linkages), all other	34021250
Oxyquinoline benzoate (benoxiquine)	29334027
Oxyquinoline citrate	29334027
Oxyquinoline sulfate	29334020
Oxytetracycline (animal feed grade)	29413000
Palmitic acid esters, all other	29157000
Palm kernel oil acids, diethanolamine condensate (Ratio =1/11	34021350
Palm kernel oil acids, potassium salt	34021150
Palm kernel oil acids, sodium salt	34021150
Palm oil acids, sodium salt	34021150
pI(p-Aminophenyl)azoThenzenesulfonic acid	29270050
2-(p-Aminophenyl)-6-methyl-7-benzothiazolesulfonic acid and salt	29342060
Panthenol	29362950
n-Paraffins, other	38239045
n-Paraffins, C,0-C14	38239045
n-Paraffins, C12- C18	38239045
n-Paraffins, Ce-Cle	38239045
n-Paraffins, C5-C,	38239045
n-Paraffins, C9-Cls	38239045
Paraformaldehyde	29126000
P-tert-Butylphenol-formaldehyde, alkoxyated	34021310
2-(p-tart-Butylphenoxy)cyclohexyl-2-propynyl sulfite	29093030
N-(3-(p-tert-butylphenyl)-2-methylpropylidene)-anthranlic acid, methyl ester	29122950
Pectinase	35079000
Pelargonic acid, calcium salt (Calcium nonoate)	29159050
Pelargonic acid esters, all other	29159050
Pelargonic acid-tetraethylenepentamine condensate	34021250
Pemoline	29349044
Penicillin G, benzathine	29411020
Penicillin G, procaine (medicinal grade)	29411020
Penicillin V, potassium	29411050
Pentabromodiphenyl oxide	29093050
Pentachloronitrobenzene (PCNB)	29049047
Pentaerythritol	29054200
Pentaerythritol, brominated	29055050
Pentaerythritol esters	38239050

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

Chemical Name	HTS ¹ No.
Pentaerythritol/fatty acid esters	29159050
Pentaerythritol stearate	29157000
Pentaerythritol tetrakis (3-Mercaptopropionate)	29309050
Pentaerythritol tetraoctanoate	29159050
Pentaerythritol tetraoleate	34021320
Pentaerythritol tetrapelargonate	29159050
Pentaerythritol tetrastearate	29159050
Pentaerythrenehexamine	29212900
N,N,N',N'-Pentamethyl-N-(tallow alkyl)trimethylene-bis[ammonium chloride]	34021350
Pentamidine	29221915
Pentamidine isethionate	29221915
n-Pentane	29011030
1,5-Pentanediol	29053950
2,4-Pentanedione (Acetylacetone)	29145050
1-Pentanol	29051500
3-Pentanone (Diethyl ketone)	29141900
Pentazocine	29270050
Pentazocine hydrochloride	29270050
1-Pentene	29012910
2-Pentene	29012910
Pentenes, mixed	38239045
Pentobarbital	29335945
Pentyl aminoethanol	29221950
a-Pentylcinnamaldehyde	29122950
2-Pentyl-cyclopenten-1-one	29322930
p-tert-Pentylphenol	29071920
o-Pentylphenol (o-Amylphenol)	29071920
Perchloroethylene (Tetrachloroethane)	29031910
Perfluoroalkyl polyether	39072000
Peroxyacetic acid (Peracetic acid)	29159050
3,4,9,10-Perylenetetracarboxylic-3,4:9,10-dianhydride	29173950
3,4,9,10-Perylenetetracarboxylic-3,4:9,10-diimide	29251910
Pesticides and related products, acyclic, all other	29349050
Pesticides and related products, cyclic, all other	29349018
Petroleum hydrocarbon resins	39111000
Petroleum sulfonic acid, water soluble (Acid layer), sodium salt	34021150
1,10-Phenanthroline	29339039
Phenethyl acetate	29153920
Phenethyl alcohol	29062910
2-Phenethylamine	29214950
Phenethyl formate	29151310
Phenethyl isobutyrate	29156010
Phenethyl isovalerate	29156010
2-Phenethyl phenylacetate	29163320
1-Phenethyl-2-picolinium bromide	29339095
Phenethyl propionate	29155020
p-Phenetidine	29222210
Phenindamine tartrate	29339026
Phenobarbital	29335160
Phenobarbital, sodium	29335160
Phenol, alkylated	38123040
Phenol, ethoxylated	34021350
Phenol, ethoxylated and phosphated	34021110
Phenol-formaldehyde resin (with lignite)	39094000
Phenol-formaldehyde resin (with lignosite)	39094000

See footnote at end of table.

Appendix B -- Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Phenol, hindered	38123040
Phenolic antioxidants, all other	38123040
Phenolic and other tar acid resins	39094000
Phenol, natural, from petroleum, all other	29071100
Phenol, natural, from petroleum, U.S.P.	29071100
Phenol salts, all other	29071100
Phenols, ethoxylated, all other	34021310
Phenol, styrenated	29071950
Phenol, styrenated, mixtures	38123040
Phenol-sulfonated formaldehyde rosin	29309028
Phenolsulfonic acid	29082060
1-Phenol-2-sulfonic acid, formaldehyde condensate (Phenol-formaldehyde, sulfonated)	38099910
Phenolsulfonic acid, lithium salt	29082060
Phenolsulfonic acid, sodium salt	29082060
Phenol, synthetic, all other	29071100
Phenol, synthetic, by caustic fusion, all other	29071100
Phenol, synthetic, from cumene by oxidation, U.S.P.	29071100
Phenothiazine derivatives, all other	29343030
Phenoxybenzamine	29225016
2-Phenoxyethanol (Ethylene glycol monophenyl ether)	29094915
Phenoxyethyl acrylate	29161210
2-Phenoxyethyl isobutyrate	29189035
3-(Phenoxyphenyl) methyl-cis, trans-3-(2,2 dichloroethenyl)-2,2-dimethyl cyclopropanecarboxylate	29162000
Phenoxy (R) resin (other than for coating and adhesives)	39072000
m-Phenoxytoluene	29095000
Phentermine	29214940
Phenylacetaldehyde	29122910
Phenylacetaldehyde, dimethyl acetal	29110000
Phenyl alanine	29224910
4-(Phenylazo)diphenylamine	29270050
4-Phenyl-1-butene	29029090
Phenyldiisodecyl phosphite	29190010
m-Phenylenebismaleimide	29251920
m-Phenylenebismaleimide	29251920
m-Phenylenediamine	29215110
o-Phenylenediamine	29215110
p-Phenylenediamine	29215110
p-Phenylenediamines, substituted, other	29215130
Phenylephrine bitartrate	29225025
Phenylephrine hydrochloride	29225013
Phenyl ether (Diphenyl oxide)	29093050
Phenylethyl benzoate	29163150
Phenylethyl 2-methyl butyrate	29156010
N-Phenylglycine	29224935
Phenylglycine, sodium salt	29224935
2,2'-[(Phenyl)imino]diethanol, diacetate ester	29252020
Phenyl-5-mercaptotetrazole	29339025
N-Phenyl-1-naphthylamine	29214530
o-Phenylphenol	29071950
p-Phenylphenol, alkoxylated	34021310
o-Phenylphenol, chlorinated	29071950
o-Phenylphenol, sodium salt	29071950
N-Phenyl-p-phenylenediamine	29215150
Phenylpropanolamine bitartrate	29225025
Phenylpropanolamine hydrochloride	29225025

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
3-Phenylpropyl acetate	29153920
4-Phenylpropylpyridine	29333920
Phenylstyrene, ethoxylated	34021310
5-Phenyltetrazole	29339039
Phenyltoloxamine citrate	29225025
N-Phenylurea	29242145
Phenytoin	29332100
Phenytoin, sodium	29332100
Phosgene (Carbonyl chloride)	29130050
Phosphated and polyphosphated alcohols, all other	34021150
Phosphonic acid, (1,2-ethanediyIbis(nitrilobis(methylene)ntetrakis-, ammonium salt	29190050
Phosphonic acid, (1-hydroxy ethylidene)bis compounded with 2-aminomethanol	29310050
Phosphonic acid, [nitrilotris(methylenen-tris-, ammonium salt	29190050
Phosphonic acid, nitrilotris(methylene1)-tris, sodium salt	29190050
2-Phosphonobutane-1,2,4-tricarboxylic acid, sodium salt	29310050
N-(Phosphonomethyl)glycine, isopropylamine salt	29310050
Phosphoric and polyphosphoric acid esters, all other	34021150
Phosphorodithioates used as lubricating oil and grease additives, all other	29201050
Phosphorus acid esters, all other	29190050
Photographic chemicals, all other	29349020
Phthalic acid	29173910
Phthalic acid, lead salt, (Dibasic)	29173950
Phthalic anhydride	29173500
Phthalic anhydride esters, all other	29173400
Phthalic anhydride type alkyd resins	39075000
Phthalimide	29251910
[Phthalocyaninato(2-)]copper	32041720
(Phthalocyaninetetramethanaminatolcopper	32041750
Phthalocyaninetetrasulfonyl chloride, copper derivative	32041750
Phthaloyl chloride (Phthalyl chloride)	29173950
Picoline (3,4-mixture)	29333910
2-Picoline (α-Picoline)	29333910
3-Picoline (ft-Picoline)	29333910
4-Picoline (γ-Picoline)	29333910
3-Picolylamine	29333950
Picric acid (Trinitrophenol)	29089008
Pigment Black 7	32041750
Pigment black toners, all other	32041750
Pigment Blue 19	32041730
Pigment Blue 25	32041730
Pigment Blue 61	32041730
Pigment Blue 62	32041730
Pigment Blue 15, (a form)	32041730
Pigment Blue 15:1, (a form)	32041730
Pigment Blue 15:2, (a form)	32041730
Pigment Blue 15:3, V? form)	32041730
Pigment Blue 15:4, (ft form)	32041730
Pigment Blue 1, (PMA)	32041730
Pigment Blue 2, (PMA)	32041730
Pigment Blue 14, (PMA)	32041730
Pigment blue toners, all other	32041750
Pigment Brown 5	32041730
Pigment Green 7	32041750
Pigment Green 8	32041710
Pigment Green 10	32041730

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Pigment Green 36	32041750
Pigment Green 1, (PMA)	32041730
Pigment Green 4, (PMA)	32041730
Pigment Green 2, (PTA)	32041730
Pigment green toners, all other	32041750
Pigment Orange 1	32041730
Pigment Orange 2	32041730
Pigment Orange 5	32041730
Pigment Orange 13	32041730
Pigment Orange 15	32041730
Pigment Orange 16	32041730
Pigment Orange 34	32041710
Pigment Orange 38	32041750
Pigment Orange 46	32041730
Pigment Orange 48	32041730
Pigment Orange 49	32041730
Pigment orange toners, all other	32041750
Pigment Red 2	32041730
Pigment Red 3	32041730
Pigment Red 4	32041730
Pigment Red 5	32041730
Pigment Red 13	32041730
Pigment Red 17	32041730
Pigment Red 21	32041730
Pigment Red 22	32041730
Pigment Red 23	32041730
Pigment Red 31	32041730
Pigment Red 38	32041730
Pigment Red 60:1	32041730
Pigment Red 63	32041730
Pigment Red 83	32041730
Pigment Red 112	32041710
Pigment Red 122	32041730
Pigment Red 123	32041730
Pigment Red 146	32041710
Pigment Red 147	32041730
Pigment Red 169	32041710
Pigment Red 170	32041710
Pigment Red 179	32041730
Pigment Red 190	32041730
Pigment Red 194	32041750
Pigment Red 200	32041730
Pigment Red 202	32041730
Pigment Red 206	32041730
Pigment Red 207	32041730
Pigment Red 209	32041730
Pigment Red 210	32041730
Pigment Red 210	32041730
Pigment Red 224	32041730
Pigment Red 238	32041750
Pigment Red 245	32041750
Pigment Red 48:1, (barium)	32041730
Pigment Red 49:1, (barium)	32041730
Pigment Red 53:1, (barium)	32041730
Pigment Red 63:1, calcium	32041750

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Pigment Red 48:2, (calcium)	32041730
Pigment Red 49:2, (calcium)	32041730
Pigment Red 52:1, (calcium)	32041730
Pigment Red 57:1, (calcium)	32041730
Pigment Red 1, (light)	32041730
Pigment Red 48:4, (manganese)	32041730
Pigment Red 52:2, (manganese)	32041730
Pigment Red 81, (PMA)	32041730
Pigment Red 81, (PTA)	32041730
Pigment Red 48:3, (strontium)	32041710
Pigment red toners, all other	32041750
Pigment Violet 19	32041730
Pigment Violet 23	32041730
Pigment Violet 29	32041750
Pigment Violet 1, (fugitive)	32041730
Pigment Violet 3, (fugitive)	32041730
Pigment Violet 1, (PMA)	32041730
Pigment Violet 3, (PMA)	32041730
Pigment Violet 1, (PTA)	32041730
Pigment Violet 3, (PTA)	32041730
Pigment violet toners, all other	32041750
Pigment Yellow 1	32041730
Pigment Yellow 3	32041730
Pigment Yellow 6	32041730
Pigment Yellow 12	32041730
Pigment Yellow 13	32041730
Pigment Yellow 14	32041730
Pigment Yellow 17	32041730
Pigment Yellow 60	32041730
Pigment Yellow 65	32041730
Pigment Yellow 73	32041730
Pigment Yellow 74	32041730
Pigment Yellow 75	32041730
Pigment Yellow 83	32041730
Pigment Yellow 97	32041710
Pigment Yellow 98	32041730
Pigment Yellow 119	32041750
Pigment Yellow 139	32041730
Pigment Yellow 176	32041750
Pigment yellow toners, all other	32041750
Pinane	29021900
Pinane hydroperoxide	29096050
3- and 4-Pinanols	29061400
Pi nanols/plinol mixtures	29061400
a-Pinene	29021900
fi-Pinene	29021900
a-Pinene oxide	29096050
a-Pinene oxide	29109050
Pinene, sulfate	29041050
Pinene, wood	29021900
Pine oil, natural, sulfate	38059000
Pine oil, synthetic	38239050
Pipecolic acid	29333950
Piperacillin	29411050
Piperazine	29335936

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Piperazine dihydrochloride	29335936
Piperazine hexahydrate	29335936
Piperazine hydrochloride	29335936
Piperazine sulfate	29335936
Piperidine	29333950
Piperidinecarbodithioic acid, piperidinium potassium salts, mixed	38121010
Piperidinium pentamethylene dithiocarbamate	29302020
Piperylene (1,3-Pentadiene)	29012910
Piroxicam	29349025
Pitch of tar: hard (M.P. 161° F and Over)	27081000
Pitch of tar: medium (M.P. 110° To 160° F)	27081000
Pitch of tar: soft (M.P. 80° To 109° F.)	27081000
Pivaloyl chloride	29156050
2-Pivaloyl-1,3-indandione (Pindone)	29329020
Plant growth regulators, acyclic, all other	29310050
Plinol	29061900
Polyacrylamide	39069050
Polyacrylamide copolymers, all other	39069050
Polyacrylate methacrylate copolymers	39069050
Polyacrylate poly(hydroxypropylacrylate) copolymer	39069050
Polyacrylic acid	39069050
Poly(acrylic acid, ethyl ester)	39069050
Polyacrylic acid salts, all other	39069050
Polyacrylic (ACM) type elastomers	40029100
Polyacrylonitrile and acrylonitrile copolymers	39069050
Polyacrylonitrile, hydrolyzed	39069050
Polyacrylonitrile, starch hydrolized polymer	39069050
Polyalicyclic polyamines and salts and quats	34021250
Polyalkylene glycol oleate	34021320
Polyalkylene polyamine, ethoxylated	34021250
Polyamine polymethane phosphonic acid	39093000
Polyamines	38239050
Polyamine/tall oil imidazoline	34021250
Polybasic acid type alkyd resins	39075000
Polybutadiene acrylic acid acrylonitrile terpolymer (PBAN)	40029100
Polybutadiene, emulsion-polymerized	40022000
Polybutadiene resins	39029000
Polybutadiene, solution-polymerized	40022000
Polybutylene terephthalate(PBT)	39079900
Polybutylene type resins	39029000
Polycarbonate resins	39074000
Polycarboxylic acid, alkylate	34021320
Polycarboxylic acid, alkylphenoxyalkoxyate	34021310
Polychloroprene (Neoprene) (CR) type	40024100
Polydextrose	13023900
Poly(diallyldimethylammonium chloride)	39079110
Poly(dibromophenylene oxide)	39072000
Poly(epichlorhydrin)	34021350
Polyester resins, saturated, all other	39079900
Polyester resins, unsaturated	39079150
Polyether diols	34021320
Polyether and polyester polyols for urethanes	29053950
Polyether polyols based on propylene oxide, all other	29094950
Polyether triols	34021320
Polyethoxylated tallow amide	29241050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Polyethoxylate/polypropoxylate dibenzyl ether	29093050
Polyethoxy methylstearyl ammonium chloride	34021250
Polyethylbenzene (80 percent diethylbenzene)	29029030
Polyethylene glycol	29094950
Polyethylene glycol butyl ether, propoxylated	29094950
Polyethylene glycol dibenzoate	29163130
Polyethylene glycol diester of coconut oil acids	34021320
Polyethylene glycol diester of mixed liner acid/oleic acid	34021320
Polyethylene glycol diester of tall oil acids	34021320
Polyethylene glycol dilaurate	34021320
Polyethylene glycol dimethyl ether	29091950
Polyethylene glycol dioleate	34021320
Polyethylene glycol distearate	34021320
Polyethylene glycol ester of mixed fatty acids	34021320
Polyethylene glycol esters of chemically defined acids, all other	34021350
Polyethylene glycol esters of mixed acids, all other	34021350
Polyethylene glycol (mixed ester) of tall oil acids	34021320
Polyethylene glycol monoester of coconut oil acids	34021320
Polyethylene glycol monoester of soybean oil acids	34021320
Polyethylene glycol monoester of tall oil acids	34021320
Polyethylene glycol monolaurate	34021320
Polyethylene glycol mono(nonylphenol)ether ammonium sulfate	29239000
Polyethylene glycol mono-oleate	34021320
Polyethylene glycol mono-oleate, ethoxylated	34021320
Polyethylene glycol monopalmitate	34021320
Polyethylene glycol monopelargonate, methoxylated	34021320
Polyethylene glycol monopelargonate	34021350
Polyethylene glycol monoricinoleate	34021350
Polyethylene glycol monostearate	34021350
Polyethylene glycol monotallate	34021320
Polyethylene glycol, propoxylated	34021320
Polyethylene glycol sesquiester of coconut oil acids	34021320
Polyethylene glycol sesquiester of tall oil acids	34021320
Polyethylene glycol sesquiester of tallow acids	34021320
Polyethylene glycol sesquinoleate	34021312
Polyethylene glycol terephthalate	34021320
Polyethylenepolyamine polymer with 1,4-dihydroxy-2-butyne	39093000
Polyethylene terephthalate for fiber	39076000
Polyethylene terephthalate (PET)	39076000
Polyglycerol distearate	34021320
Polyglycerol esters, all other	34021350
Polyglycerol mono-oleate	34021320
Polyglycerol monostearate	34021320
Polyglycerol tetraoleate	34021320
Polyglycols, ethylene glycol and glycol ether, mixed	38140050
Polyglycols-toluene diisocyanate reaction product	29299020
Polyhexafluoropropylene oxide	39072000
Polyhydric alcohol esters, all other	29159050
Polyhydric alcohol ethers, all other,	29094950
Polyhydric alcohol, ethoxylated and phosphated	34021150
Polyhydric alcohols, all other	29054950
Polyimides and amide-imide polymers	39119020
Polyisobutenyl succinic anhydride	29171950
Polyisocyanate	39093000
Polyisoprene (IR) type	40026000

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Polymers for fibers, all other	39081000
Polymers, water soluble, all other	39069050
Polymethacrylic acid esters	29161400
Polymethacrylic acid, sodium salt	39069050
Polymethylene polyphenylisocyanate	29291060
Poly(1,1'-(methylimino)bis(3-chloro-2-propanol)tetramethylethylenediamine	39093000
Polymethyl methacrylate (PMMA)	39061000
Poly(mixed ethylene, propylene)glycol	34021320
Polymyxin B	29419010
Polyol aluminum chelate	29310050
Poly-a-olefins	34031900
Poly-a-olefins, sulfurized	34031900
Polyoxyalkene silicones	39100000
Polyoxyalkylated cyclic amines	38099950
Polyoxyalkylene glycol	29094950
Poly(oxyalkylene glycol)--polymer with polymethylene-polyphenylene isocyanate; urethane prepolymer	29054950
Poly(oxy-1,2-ethanediyl),w-(2-carboxy)-methyl-w-tridecyloxy, potassium salt	34021150
Poly(oxy-1,2-ethanediyl1), id-(2-carboxyethoxy)-a-hydroxy-a, a'-(iminodi-2, 1-ethanediyl) bis-,N-tallow alkyl derivs., potassium salt	34021150
Poly(oxy-1,2-ethanediyl)-a-carboxymethyl, tu-(tridecyloxy), potassium salt	29335945
Poly(oxyethanediyl), oxotetradecyl hydroxyalkyl ethers	39119050
Poly(oxy-1,2-ethanediyl1), -phenylmethyl-	34021350
Poly(oxyethanyl, 2-diy11-di[2-bis(2-aminoethyl)methylamiumethyl]-	34021250
Poly(oxyethylene decyl ether)phosphonate	34021150
Poly[oxyethylene(dimethylimino)ethylene(dimethylimino)ethylene dichloride]	38239045
Polyoxypropylene polyoxyethylene glycol, mixed	29094950
Polyoxypropylene triamine	39093000
Polyphenolic phosphites, polyalkylated	29209020
Polyphenolics (Including bisphenols), other	29072960
Poly-m-phenylene isophthalamide	39089000
Polyphenylene oxide type resins	39072000
Polyphenylene sulfide resins	39119020
Poly-p-phenylene terephthalamide	39089000
Polypropoxydiethylmethyl acetate	29153945
Polypropoxy diethylmethyl ammonium chloride	34021250
Polypropylene glycol	29094950
Polypropylene glycol, alkoxyated, polymer with maleic anhydride, acrylic acid, and alkylphenol-formaldehyde resin, alkoxyated	34021910
Polypropylene glycol butyl ether, ethoxylated (Polypropoxy butyl ether, ethoxylated)	29094950
Polypropylene glycol butyl ether (Polypropoxy butyl ether)	29094950
Polypropylene glycol, ethoxylated	34021320
Polypropylene glycol glycerol triether, copolymer with epichlorhydrin bisphenol epoxy resin	34021910
Polypropylene glycol glycerol triether (Polypropoxyglyceryl triether)	29094920
Polypropylene glycol, phosphated	34021150
Polypropylene resins	39021000
Polysulfide (T) type elastomers	40029100
Polyterpene resins	39119020
Polytetrafluoroethylene (PTFE)	39046100
Polytetramethylene glycol ether	29094950
Polyurethane elastomers	39095010
Polyurethane resins	39095050
Polyvinyl acetate resins	39051900
Polyvinyl alcohol resins	39052000
Polyvinyl butyral resins	39059010
Polyvinyl chloride copolymer resins, all other	39044000

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>I-TS No.</i>
Polyvinyl chloride homopolymer resins	39042100
Polyvinyl formal resin	39059010
Polyvinyl-0-sulfobenzal)	39059050
Potassium acetate	29152900
Potassium amyloxanthate	29301000
Potassium benzoate	29163110
Potassium citrate	29181550
Potassium 2-ethylhexanoate	29159050
Potassium glutamate	29224250
Potassium lactate	29181150
Potassium 2-methyl-2-butanol	29051900
Potassium 2-methyl-2-propanol	29310050
Potassium oxalate	29171100
Potassium salicylate	29182110
Potassium and sodium salts of fatty, rosin, and tall oil acids, all other	34021150
Potassium sodium tartrate	29181330
Potassium stearate	29157000
Potassium tallate	29162000
Potassium warfarin	29322920
Povidone - iodine	29420050
Pramoxine hydrochloride	29349025
Prazepam	29339065
Prazosin	29335955
Prednisolone	29372100
Prednisolone acetate	29372100
Prednisone	29372100
Prilocaine hydrochloride	29225016
Priming and refractory oil	27079950
Probenecid	29224925
Probucol	29309028
Procainamide hydrochloride	29242939
Prochlorperazine edisylate	29343030
Prochlorperazine maleate	29343004
All other products from petroleum and natural gas, cyclic	29029050
Progesterone	29379200
1-Propanamine, 3-(C ₁₂ -C ₁₅ alkoxy derivatives)	34021250
1-Propanaminium, N-ethyl-N,N-dimethyl-3l;(1-oxooctadecyl)aminol-, ethyl sulfate	29299050
1,2-Propanediol dioctanoate/decanoate	34021320
Propanediol esters, all other	34021350
1,3-Propanediol monoester of coconut oil acids	34021320
1,2-Propanediol monolaurate	29159050
1,2-Propanediol monostearate	29157000
3-Propanolpyridine	29333950
2-Propene-1-amine, N-methyl-N-2-propenyl	29211950
p-Propenylanisole (Anethole)	29095040
Propionaldehyde	29121950
Propionic acid	29155010
Propionic anhydride	29159050
Propionitrile	29269050
Propoxyethanol (Ethylene glycol monopropyl ether)	29094400
Propoxylated starches	38099100
Propoxyphene hydrochloride	29221912
Propoxyphene napsylate	29221912
Propranolol hydrochloride	29221915
Propyl acetate	29153945

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Propyl alcohol (Propanol)	29051200
Propylamine, mono-	29211910
n-Propylaminoethanol	29221950
p-Propylanisol (Dihydroanethole)	29095040
S-Propyl butylethylthiocarbamate (Pebulate)	29302050
S-Propyl dipropylthiocarbamate (Vernolate)	29302050
Propylene	29012200
Propylene carbonate	29209050
Propylene copolymers	39023000
Propylene glycol, alkoxylated	29091950
Propylene glycol t-butyl ether	29094950
Propylene glycol dibenzoate	29163150
Propylene glycol dicaprylatecaprate	29159050
Propylene glycol esters of hydrogenated palm oil	34021320
Propylene glycol ethers (and propylene glycols), all other	29094950
Propylene glycol glutarate	29171920
Propylene glycol, mixed ethers	38140050
Propylene glycol monobutyl ether	29094950
Propylene glycol monomethyl ether (1-Methoxy-2-propanol)	29094950
Propylene glycol monoricinoleate	29161950
Propylene glycol (1,2-Propanediol)	29053200
Propylene glycol sebacate	29171950
Propylene imine	29252050
Propylene oxide	29102000
Propyl gallate	29163970
n-Propyl mercaptan (1-Propanethiol)	29309050
n-Propyl oleate	29161550
Propyl oleate, sulfated, sodium salt	29209050
2-Propyn-1-ol (Propargyl alcohol)	29052900
2-propynyl 3,7, 11-trimethyl-(2e,4e)-dod ecadi enoate	29161950
Protease (bacterial)	35079000
Proteases, all other	35079000
Protein hydrosylates	29224950
Protirelin	29371000
Pseudoephedrine hydrochloride	29394010
Pseudoephedrine sulfate	29394010
Pseudoionone	29141900
Pseudo finely' acetate (Neobergamate)	33029010
p-(p-Toluenesulfonamido)diphenylamine	29350090
Pyridine hydrochloride	29333100
3-Pyridinemethanol	29333950
Pyridine, refined all other grades	29333100
2 Pyridinethio1-1-oxide, sodium salt	29333950
2 Pyridinethio1-1-oxide, zinc salt	29333950
Pyridostigmine bromide	29333937
Pyridoxine	29333937
Pyrilamine tannate	29333937
Pyromellitic dianhydride	29173950
2, 5-Pyrrolidinedione, 1-(2-hydroxy-1,1-bis(hydroxymethyl)ethyl), monopolybutenyl derivatives	39119050
2-Pyrrolidinone (2-Pyrrolidone)	29337920
4-N-(1-Pyrrolidy1)-m-toluenediazonium chloride	29215120
Quaternary ammonium salts having amide linkages, all other	34021250
Quaternary ammonium salts, not containing oxygen, acyclic, all other	34021250
Quaternary ammonium salts not containing oxygen, cyclic, all other	34021250
Quinaldine	29334070

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS I No.</i>
Quinone dioxime	29147020
Rapeseed acids, diethanolamine condensate (Ratio = 1/1)	34021350
Rare earths 2-ethylhexanoate	29159050
Rare earths naphthenate	38232000
Rare earths neodecanoate	29159050
Rare sugars, all other	29400000
Reactive Yellow 95	32041630
Reactive Black 5	32041630
Reactive Black 39	32041620
Reactive black dyes, all other	32041650
Reactive Blue 3	32041630
Reactive Blue 7	32041620
Reactive Blue 19	32041620
Reactive Blue 21	32041620
Reactive Blue 38	32041620
Reactive Blue 41	32041620
Reactive Blue 49	32041620
Reactive Blue 71	32041630
Reactive Blue 214	32041650
Reactive blue dyes, all other	32041650
Reactive Brown 1	32041630
Reactive Brown 17	32041630
Reactive Green 19	32041620
Reactive Orange 1	32041610
Reactive Orange 4	32041630
Reactive Orange 12	32041630
Reactive Orange 16	32041630
Reactive Orange 20	32041620
Reactive orange 72	32041620
Reactive Orange 84	32041620
Reactive Orange 86	32041650
Reactive orange dyes, all other	32041650
Reactive Red 2	32041610
Reactive Red 11	32041630
Reactive Red 21	32041620
Reactive Red 24	32041450
Reactive Red 31	32041630
Reactive Red 43	32041630
Reactive Red 49	32041620
Reactive Red 94	32041630
Reactive Red 120	32041650
Reactive Red 124	32041620
Reactive Red 141	32041620
Reactive Red 180	32041650
Reactive Red 218	32041650
Reactive red dyes, all other	32041650
Reactive violet dyes, all other	32041650
Reactive Yellow 15	32041620
Reactive Yellow 18	32041630
Reactive Yellow 37	32041620
Reactive Yellow 42	32041620
Reactive Yellow 86	32041630
Reactive Yellow 95	32041630
Reactive Yellow 135	32041620
Reactive Yellow 160	32041630

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Reactive Yellow 165	32041650
Reactive yellow dyes, all other	32041650
Rennin	35071000
Resorcinol	29072100
Resorcinol monobenzoate	29163150
Resorcinol, tech,	29072100
/3-Resorcylic acid	29182980
Rhodinol	29052250
Riboflavin (animal feed grade)	29362300
Riboflavin (medicinal grade)	29362300
Riboflavin-5-phosphate, sodium	29362300
Ricinoleic and acetylricinoleic acid esters, all other	29181990
Ricinoleic acid (1-hydroxyoleic acid)	29159010
Ricinoleic acid, magnesium salt	29181990
Rodenticides, acyclic, all other	29309040
Rose oxide	29329045
Rosin acid salts, all other	38062000
Rosin acids, potassium salt	34021150
Rosin acids, sodium salt	34021150
Rosin acids, triethanolamine salt	34021150
Rosin amine, ethoxylated	34021250
Rosin amines	38069000
Rosin esters, unmodified (Ester gums)	38063000
Rosin/fatty acid mixtures	29162000
Rosin/fatty acid/pitch mixtures	29162000
Roxarsone	29310022
Roxarsone, sodium	29310022
Rubber modified polystyrene	39031900
Rubber-processing chemicals, acyclic, all other	38123050
Rubber-processing chemicals, cyclic, all other	38123040
Rust preventing additives	38119000
Saccharin (1,2-Benzisothiazolin-3-one,-1,1-dioxide)	29251100
Saccharin,sodium salt	29251100
Salicylanilide	29242944
Salicylic acid	29182110
Salicylic acid magnesium salt	29182150
Salicylic acid, tech.	29182150
Salsalate	29189030
Sarcosine	29224950
Sebacic acid	29171300
Secobarbital, sodium	29335160
Secondary and tertiary monoamines, all other	34021250
Semisynthetic penicillins, all other	29411050
Sertraline	29214530
Silicohe fluids"	39100000
Silicone greases	39100000
Silicone(Q) type elastomers	40029100
Silicone resins	39100000
Simvastatin	29329041
Sisomycin	29419010
Sitosterols	29399050
Sodium acetate	29152200
Sodium ammonium polyacrylate and copolymers	39069050
Sodium ascorbate	29362700
Sodium benzoate	29163110

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS¹ No.</i>
Sodium bitartrate	29181350
Sodium caprylate	29159050
1-(Sodium carboxyethylene)-1-(sodium carboxymethyleneoxyethylene)-2-nor-(tall oil fatty acids)-2-imidazolinium hydroxide	34021150
Sodium carboxymethylcellulose (100%)	35051000
1-(Sodium carboxymethyl)-1-(sodium carboxymethyleneoxyethylene)-2-nor-(coconut oil fatty acids)-2-imidazolinium lauryl sulfate	34021150
Sodium carboxymethyl starch	35051000
Sodium citrate	29181510
Sodium diacetate	29152900
Sodium di-sec-butyl/diethyl phosphorodithioate	29201050
Sodium di-sec-butyl phosphorodithioate	29201050
Sodium diethyl phosphorodithioate	29201050
Sodium dihydro-bis(2-methoxyethoxy)aluminate	29209050
Sodium diisobutyl phosphorodithioate	29201050
Sodium diisopropyl phosphorodithioate	29201050
Sodium 2-ethylhexanoate	29159050
Sodium formate, technical	29151200
Sodium gluconate	29181650
Sodium heparin	30019000
Sodium lactate (Nalac)	29181 150
Sodium mercaptoacetate	29309050
Sodium methoxide (Sodium methylate)	29051900
Sodium nitroprusside	28372050
Sodium oleate	29161550
Sodium oxalate	29171100
Sodium polyacrylate	39069050
Sodium polyacrylate, grafted	39069050
Sodium propionate	29155050
Sodium salicylate	29182110
Sodium stearate	29157000
Sodium p-sulfophenylmethallyl ether	29309050
Sodium tetradecyl sulfate	29051900
Sodium trichlorobenzenesulfate	29041037
Soil fumigants, etc., all other	29201050
Solubilized Sulfur Black 1	32041919
Solubilized Sulfur Black 2	32041919
Solubilized Sulfur Green 11	32041950
Solvent Black 5	32041915
Solvent Black 7	32041915
Solvent Black 13	32041915
Solvent Black 26	32041915
Solvent Black 46	32041940
Solvent Black 47	32041950
Solvent Black 49	32041940
Solvent Blue 3	32041915
Solvent Blue 5	32041915
Solvent Blue 23	32041915
Solvent Blue 35	32041915
Solvent Blue 36	32041915
Solvent Blue 38	32041915
Solvent Blue 58	32041915
Solvent Blue 59	32041915
Solvent Blue 98	32041915
Solvent Blue 99	32041915
Solvent Blue 100	32041915

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Solvent Blue 101	32041915
Solvent Blue 102	32041940
Solvent Blue 128	32041940
Solvent Blue 129	32041940
Solvent blue dyes, all other	32041950
Solvent Brown 12	32041915
Solvent Brown 20	32041915
Solvent Brown 22	32041915
Solvent Brown 38	32041915
Solvent Green 3	32041915
Solvent Orange 3	32041915
Solvent Orange 7	32041915
Solvent Orange 20	32041915
Solvent Orange 23	32041915
Solvent Orange 60	32041915
Solvent Orange 77	32041940
Solvent Orange 97	32041940
Solvent orange dyes, all other	32041911
Solvent Red 1	32041915
Solvent Red 23	32041911
Solvent Red 24	32041915
Solvent Red 26	32041915
Solvent Red 27	32041911
Solvent Red 49	32041915
Solvent Red 68	32041915
Solvent Red 80	32041915
Solvent Red 111	32041915
Solvent Red 135	32041915
Solvent Red 164	32041915
Solvent Red 166	32041915
Solvent Red 168	32041915
Solvent Red 169	32041940
Solvent Red 175	32041940
solvent red 179	32041940
Solvent Red 207	32041940
Solvent Red 208	32041940
Solvent Violet 8	32041915
Solvent Violet 9	32041915
Solvent violet 11	32041915
Solvent Violet 13	32041915
Solvent Violet 14	32041915
Solvent Violet 38	32041940
Solvent Yellow 3	32041915
Solvent Yellow 13	32041915
Solvent Yellow 14	32041915
Solvent Yellow 16	32041915
Solvent Yellow 18	32041915
Solvent Yellow 33	32041915
Solvent Yellow 40	32041915
Solvent Yellow 42	32041915
Solvent Yellow 56	32041915
Solvent Yellow 72	32041915
Solvent Yellow 93	32041940
Solvent Yellow 94	32041940
Solvent Yellow 96	32041919

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
Solvent Yellow 135	32041940
Solvent Yellow 143	32041940
Solvent Yellow 160	32041911
Solvent Yellow 161	32041940
Solvent Yellow 163	32041940
Solvent yellow dyes, all other	32041950
Sorbitan monoisostearate	34021320
Sorbitol, alkoxylated	29091950
Sorbitol, crystalline	29054400
Sorbitol glycidyl ether	29109050
Sorbitol monostearate	29157000
Sorbitol (70% by Weight)	29054400
Soya amide, N,N-bis(hydroxyethyl)	29241050
Soya nitrile	29269050
Soybean oil acids, diethanolamine condensate (Ratio = 1/1)	34021350
Soybean oil acids, potassium salt	34021150
(Soybean oil alkyl)amine	34021250
(Soybean oil alkyl)amine, ethoxylated	34021250
N-(Soybean oil alkyl)trimethylenediamine	34021250
Soybean oil, sulfated, sodium salt	34021150
Specific gravity 0.940 and below	39011000
Specific gravity 0.940 and below, linear	39011000
Specific gravity over 0.940	39012000
All other (specify)	29251950
Spectinomycin (animal feed grade)	29412000
Spectinomycin (medicinal grade)	29412000
Spirolactone	29322920
Stannous dioctyl tallate	38062000
Starch, hydrolyzed and hydrogenated	29054950
Stearamide (Octadecane amide)	29241010
Stearamidoethyldiethylamine	29241050
Stearamidoethylethanolamine acetate	29241050
Stearamidoethyl-2-heptadecyl imidazoline	29251950
Stearamidopropyldimethylcetylammonium tosylate and propylene glycol	34021250
Stearic acid aminoethanolamine (amine acid ratio = 1.0/1.65)	34021350
Stearic acid-N-aminoethyl ethanolamine condensate	34021350
Stearic acid, ammonium salt	29157000
Stearic acid, diethanolamine condensate, methyl sulfate	34021250
Stearic acid, diethanolamine condensate (Ratio = 1/1)	34021350
Stearic acid, diethanolamine condensate (Ratio = 2/1)	34021350
Stearic acid-diethylenetriamine condensate	34021250
Stearic acid-diethylenetriamine condensate, ethyl sulfate	34021250
Stearic acid esters, all other	29157000
Stearic acid, ethanolamine condensate (Ratio = 1/1)	34021350
Stearic acid - ethylenediamine condensate	34021250
Stearic acid-ethylenediamine condensate amine/acid ratio =1/2	34021350
Stearic acid-ethylenediamine condensate, monoethoxylated	34021250
Stearic acid mixed amine condensate	34021250
Stearic acid monoethanolamine condensate	34021350
Stearic acid (Octadecanoic acid)	29157000
Stearic acid, potassium salt	29157000
Stearic acid salts, all other	29157000
Stearic acid, sodium salt	29157000
Stearic acid-tetraethylenepentamine condensate	34021250
Stearic acid,N,N,N',N'-tetrakis(2-hydroxyethyl)-ethylenediamine salt	29212100

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Stearic acid, triethanolamine salt	29221300
N-Stearoyl-p-aminophenol	29222950
Stearoyl iso-lactylate	34021150
Stearoyl iso-lactylate, sodium salt	34021150
Stearoyl-2 lactylate, calcium salt	34021150
Stearoyl lactylate, mixed sodium and calcium salt	34021150
Stearoyl lactylate, sodium salt	34021150
Stearyl acid phosphate	29190050
Stearyl alcohol, propoxylated	34021320
Stearylamidopropyl dimethyl amine	34021250
3-Stearylamidopropyl dimethylammonium lactate	29299050
Stearylamidopropyl dimethyl myristyl acetate ammonium chloride	29239000
Stearyl erucamide	29241010
Stearyl methacrylate	29161400
Stearyl pyridium chloride	29239000
Stearyl stearamide	29241050
Stearyl stearate	29157000
Straight polystyrene	39031900
Streptomycin	29412000
Streptozocin	29412000
Strontium stearate	29157000
Styrenated-alkyds, or copolymer alkyds	39075000
Styrenated phenol, ethoxylated	34021310
Styrene-acrylonitrile copolymer resins (SAN)	39032000
Styrene block copolymers	39039050
Styrene-butadiene, dry type	40021900
Styrene-butadiene latexes	39039050
Styrene-butadiene, latex type	40021100
Styrene-butadiene type elastomers, other	40029100
Styrene-butadiene-vinylpyridine	40029100
Styrene copolymers, all other	39039050
Styrene-divinylbenzene copolymer resins	39140000
Styrene latexes, all other	39039050
Styrene-maleic anhydride copolymer resins	39039050
Styrene-methyl methacrylate copolymer resins	39039050
Styrene type plastics materials, all other	39039050
Styrene (Vinylbenzene)	29025000
Succinic anhydride	29171950
All other succinic anhydride derivatives	29171950
Succinylcholine chloride	29225016
Succinyl peroxide	29096020
Sucrose acetate isobutyrate	29156050
Sucrose benzoate	29163150
Sucrose octa-acetate	29153947
Sulfacetamide, sodium	29350031
Sulfadiazine, silver	29350035
Sulfadimethoxine	29350039
Sulfamethoxazole	29350031
Sulfanilic acid (p-Aminobenzenesulfonic acid) and salt	29224930
Sulfapyridine	29350033
Sulfasalazine	29350035
Sulfated animal fats and oils, all other	34021150
Sulfated cyclic ethers, all other	34021150
Sulfated ethers, all other	34021150
Sulfated fish and marine fat oils, all other	34021150

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
Sulfentanil citrate	29333937
Sulfisoxazole	29350031
Sulfisoxazole, acetyl	29350031
m-Sulfobenzoic acid, monosodium salt	29163130
5-Sulfoisophthalic acid, 1,3-dimethyl ester, sodium salt	29173950
5-Sulfoisophthalic acid, sodium salt	29173930
Sulfonic acids, all other	34021150
Sulfonic acids having amide linkages, all other	34021150
Sulfonic acids with ether linkages, all other	34021150
Sulfosuccinic acid, bis(diisobutyl)ester, amidodisodium salt	29171950
Sulfosuccinic acid, bis(2,6-dimethyl-4-heptyl)ester, sodium salt	29171950
Sulfosuccinic acid, bis(2-ethylhexyl)ester, sodium salt	29171950
Sulfosuccinic acid, (coconut oil alkyl)iminoisopropanol half-ester, sodium salt	34021150
Sulfosuccinic acid, dihexyl ester, sodium salt	29171950
Sulfosuccinic acid, diisodecyl ester, sodium salt	29171950
Sulfosuccinic acid, diisooctyl ester, sodium salt	29171950
Sulfosuccinic acid, dioctyl ester, sodium salt	29171950
Sulfosuccinic acid, dipentyl ester, sodium salt	29171950
Sulfosuccinic acid, ditridecyl ester, sodium salt	29171950
Sulfosuccinic acid esters, all other	34021150
Sulfosuccinic acid, lauramidomonoethanolamine, disodium salt	29221100
Sulfosuccinic acid, (lauryl polyethylene glycol ether) ester, disodium salt	29171950
Sulfosuccinic acid, monolaureth ester, disodium salt	29171950
Sulfosuccinic acid myristyl ester disodium monoethanolamine salt	34021150
Sulfosuccinic acid, nonoxynyl-10 ester, disodium salt	34021150
Sulfosuccinic acid, oleamidopolyethyleneglycol, disodium salt	29171950
Sulfosuccinic acid, ricinoleamide monoethanolamine, disodium salt	29221100
Sulfur Black 1	32041911
Sulfur Black 2	32041911
Sulfur Black 11, 11:1	32041940
Sulfur Blue 7	32041940
Sulfur Brown 37	32041940
Sulfur Brown 96	32041950
Sulfur compounds, all other	29310050
Sulfur green dyes, all other	32041950
Sulfuric acid esters, all other	34021150
Sulfurized lard oil	15180040
Sulfur orange dyes, all other	32041950
Sulfur Red 10	32041940
Sulfur yellow dyes, all other	32041950
Sulindac	29163970
Synthetic sweetener material,all other	33021010
Tall Oil Acids	34021150
Tall oil acids, diethanolamine condensate	34021350
Tall oil acids, diethanolamine condensate (Ratio = 2/1)	34021350
Tall oil acids, diethanolamine salt (Condensate)	34021150
Tall oil acids-diethylenetriamine condensate	34021250
Tall oil acids-dimethylamine condensate (Amine acid ratio = 1/1)	34021350
Tall oil acids, ethoxylated	34021320
Tall oil acids, ethoxylated and propoxylated	34021320
Tall oil acids-polyalkylenepolyamine condensate	34021250
Tall oil acids-polyalkylene polyamine condensate, salts, with dodecylbenzene sulfonic acid and/or tall oil fatty acids	34021210
Tall oil acids, potassium salt	34021150
Tall oil acids, sodium salt	34021150
Tall oil acids, sulfated, sodium salt	34021150

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>NTS No.</i>
(Tall oil alkyl)amine	34021250
Tall oil, chemically modified	29162000
Tall oil, diethanolamine salt	29221200
Tall oil fatty acids, compound with polyethylenepolamine-tall oil fatty acid reaction products	34021250
Tall oil fatty acids, ethanolamine condensate (Ratio = 1/2)	34021350
Tall oil fatty acids, ethanolamine condensate (Ratio = 1.5/1)	34021350
Tall oil fatty acids, ethanolamine condensate (Ratio = 2.7/1)	34021350
Tall oil fatty acids, polymerized	29162000
Tall oil fatty acids, reaction products with diethylenetriamine acetates	34021250
Tall oil fatty acids-triethanolamine condensate	34021350
(Tall oil.fatty acids), triethanolamine salt	34021150
Tall oil monohydric esters	22916200
Tall oil monomer	29162000
Tall oil: Neopentyl glycol tallate	29162000
Tall oil: Pentaerythritol tallate	29162000
Tall oil, refined, ethoxylated	34021320
Tall oil salts, all other (Linoleic-rosin acid salts)	29162000
Tall oil,sulfated, ammonia salt	34021150
Tall oil, sulfated, sodium salt	34021150
Tallow acids, diethanolamine condensate	34021350
Tallow acids, diethanolamine condensate (Ratio = 2/1)	34021350
Tallow acids, diethanolamine salt	34021250
Tallow acids, ethanolamine condensate (Ratio =1.00/1.65)	34021350
Tallow acids, potassium salt	34021150
Tallow acids, sodium salt	34021150
Tallow acids, triethanolamine salt	34021150
Tallow alcohol, ethoxylated	34021320
(Tallow alkyl)amine	34021150
(Tallow alkyl)amine acetate	34021250
(Tallow alkyl)amine, ethoxylated	34021250
(Tallow alkyl)amine, propoxylated	34021250
(Tallow alkyl)amine, quaternized, ethoxylated	34021250
N-(Tallow alkyl)dipropylenetriamine	34021250
Tallow alkyl)ethoxylated, ethyl sulfate	34021250
N-(Tallow alkyl)-3-iminodipropionic acid, disodium salt	34021950
N-(Tallow alkyl)trimethylenediamine	34021250
N-(Tallow alkyl)trimethylenediamine acetate	34021250
N-(Tallow alkyl)trimethylenediamine, ethoxylated	34021250
N-(Tallow alkyl)trimethylenediamine oleate	34021250
N-Tallow alkyltripropylenetetra-amine	34021250
Tallow amide	29241010
Tallow amide, hydrogenated	29241010
Tallow amine, ethoxylated, quarternary ammonium salt	34021250
Tallow, n-3-(dimethylamino)propyl" (amine/acid ratio =1/3)	34021350
[Tallow ethyl alkyl)amine, ethoxylated, sulfate	34021250
Tallow fatty acids-aminoethylethanolamine condensates	34021250
Tallow nitrile	29269050
Tallow nitrile, hydrogenated	29269050
Tallow, partially hydrogenated	15161000
Tallow, sulfated, sodium salt	34021150
Tallow triglyceride, hydrogenated	15161000
Tannic acid, N.F.	32021010
Tanning materials, synthetic, all other	38099910
Tar bases: crude bases (Dry basis)	27060000
Tar bases: semirefined or denaturing grade	27060000

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
Tar distillates, all other	27060000
Tar for other uses: crude	27060000
Tar for other uses: refined	27060000
Tar, road	27060000
Tartaric acid salts, all other	29181350
Taurine derivatives, all other	34021150
Tepyl acetate	29153945
Terbutaline sulfate	29225013
Terephthalic acid	29173600
Terephthalic acid, calcium salt	29173600
Terephthalic acid, dimethyl ester	29173930
Terephthaloyl chloride	29173930
Terfenadine	29333937
Terpene hydrocarbons, monocyclic (Solvenol)	29021900
All other terpenoid, heterocyclic, or alicyclic flavor and perfume chemicals	33021020
Terphenyl (Phenylbiphenyl) (m-, o-, and p-isomers)	29029090
Terpinene-ol	29061400
a-Terpineol	29061400
a-Terpinyl acetate	29153945
a-Terpinyl propionate	29155050
4-(tert-Butylamino)-2-chloro-6-ethylamino-s-triazine	29336900
2-(tert-Butylamino)-4-ethylamino-6-(methylthio)-s-triazine	29336900
Tertiary amyl per-2-ethylhexanoate	29159050
Testosterone	29379980
Testosterone cypionate	29379980
Testosterone propionate	29379980
Tetrabenzylthiuram disulfide	29303000
1,2,4,5-Tetrabromo-3,6-bis(pentabromophenoxy)benzene	29093050
Tetrabromobisphenol A	29081050
Tetrabromophthalic anhydride	29173930
Tetrabromophthalic anhydride, diester	29173930
Tetrabromophthalic anhydride, diol	29181930
Tetrabutyl ammonium bromide	29239000
N,N,N',N'-Tetrabutylhexanediamine	29212250
Tetrabutyl titanate	29209050
Tetracaine hydrochloride	29224925
2,4,5,6-Tetrachloroisophthalonitrile	29269021
Tetrachlorophthalic anhydride	29173930
1-Tetradecanol (Myristyl alcohol)	29051900
Tetradecyl bromide	29031950
n-Tetradecyl chloride	29031950
N-Tetradecyl-N,N-dimethylamine	29211950
1-Tetradecylpropionate	29159050
Tetraethylene glycol	29094950
Tetraethylene glycol di(2-ethylhexanoate)	29159050
Tetraethylenepentamine	29212900
Tetraethyl lead	29310050
0,0,0',0'-Tetraethyl S,S'-methylene bisphosphorodithioate (Ethion)	29201050
Tetraethyl orthosilicate (Tetraethyl silicate)	29209050
1,2,2,2-Tetrafluoroethane (F-134a)	29033020
Tetrafluoroethylene (F-1114)	29033020
Tetrafluoromethane (F-14)	29033020
Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione (DMTT)	29349012
Tetrahydrofuran	29321100
Tetrahydrofurfuryl alcohol	29321300

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	NTS No.
Tetrahydrofurfuryl oleate	29161550
Tetrahydrolinalyl acetate	29153945
Tetrahydromyrcenol	29051900
1,2,3,4-Tetrahydronaphthalene (Tetralin)	29029090
Tetrahydropyrimidine from tall oil fatty acids and propylenediamine	38239050
Tetrahydrothiophene-1,1-dioxide (Sulfolane)	29349050
2,2',4,4'-Tetrahydroxybenzophenone	38099100
Tetraisopropyl titanate	29209050
Tetrakis(2-chloroethyl)ethylene diphosphate	29190050
Tetrakis(2-ethylhexyl)titanate	29209050
N,N,N',N'-Tetrakis(2-Hydroxyethyl)ethylenediamine, propoxylated	34021250
N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine, propoxylated and ethoxylated	29212100
1,1,3,3-Tetramethoxypropane	29110000
1,2,4,5-Tetramethylbenzene (Durene)	29029030
N,N,N',N'-Tetramethyl-1,3-butanediamine	38159050
Tetramethyldisiloxane	29310050
Tetramethylethylenediamine	29212900
2,4,6,8-Tetramethylnonan-1-y1 acetate	29153945
Tetramethyl, octahydro acetophenone	29143000
Tetramethyl octahydro acetyl naphthalene	29153945
Tetra/penta glycols, mixed	29094950
Textile chemicals, other than surface active agents, all other	38099100
Thebaine	29391050
Theophylline	29395000
Theophylline sodium glycinat	29395000
Thermoplastic olefin elastomers	39019010
Thermoplastic polyurethane elastomers	39095010
Thermoplastic resins, benzenoid, all other	39119020
Thermoplastic resins,nonbenzenoid,all other	39119050
Thermosetting acrylate resins	39069020
Thermosetting resins, benzenoid, all other	39119030
Thiabendazole	29349025
1,3,4-Thiadiazole, 2,5-bis(dialkyldithio) derivatives	28339050
Thiamine mononitrate	29362200
Thiazole derivatives, cyclic, other	29342040
4,4'-Thiobis(6-t-butyl-m-cresol)	29309028
4,4'-Thio-bis(6-t-butyl-o-cresol)	29309028
N,N'-thiobis-ImethyliminoIcarbonyloxy bis ethanimidothiate	29309030
Thiocarbanilide (Diphenylthiourea)	29309028
2-(Thiocyanomethylthio)benzothiazole	29342035
2,2'-Thiodiethanol (Thiodiglycol)	29309050
Thiodiglycol ethoxylated	29094950
Thiodiphenol	29041032
0,0'-(Thiodi-4,1-phenylene)bis(o,o-dimethyl phosphorothioate (Temphos)	29310025
3,3'-Thiodipropionic acid	29309050
Thiodisuccinic acid	29309050
Thiopental, sodium	29335955
Thiophane (Tetrahydrothiophene)	29309050
Thiophene	29349050
Thiothixene hydrochloride	29350045
Thyroid	30011000
Ticarcillin, disodium	29411050
Tilidine hydrochloride	29211950
Timolol maleate	29349025
Titanic acid esters, all other	29209050

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
Titanium acetylacetonate	29310050
Tobramyctn	29412000
N-2(C-5 to C-17)alkylamido-N-carboxyethyl,N-2-hydroxyethyl, 3-amino-2-hydroxypropyl phosphate, disodium salt	34021150
dl-a Tocopherol	29362800
d-a Tocopherol	29362800
d-a Tocopheryl acetate	29362800
dl-a Tocopheryl acetate (animal feed grade)	29362800
dl-a Tocopheryl acetate (medicinal grade)	29362800
d-a Tocopheryl acid succinate	29362800
Tolbutamide	29350043
Toluene Other	29023000
Toluene-2,3-(and 3,4)-diamine (35/65 Mixture)	29215130
Toluene-3,4-diamine	29215130
Toluene-2,4-diamine (4-m-Tolylendiamine)	29215110
Toluene 2,4-and 2,6-diisocyanate (80/20 Mixture)	29291015
Toluene High purity (98-100%)	29023000
p-Toluenesulfonic acid	29041032
p-Toluenesulfonic acid, aniline salt	29041032
p-Toluenesulfonic acid, copper salt	29041032
p-Toluenesulfonic acid monohydrate	29041032
Toluenesulfonic acid, potassium salt	29042040
Toluenesulfonic acid, sodium salt	29041037
Toluenesulfonic acid, sodium salt	29042040
p-Toluenesulfonylhydrazide	29280020
p-Toluenesulfonyl isocyanate	29291090
p-Toluenesulfonylsemicarbazide	29280020
Toluene xylene sulfonic acid	29041037
m-Toluic acid	29163940
p-Toluic acid, methyl ester	29163940
m-Toluidine	29214320
o-Toluidine	29214320
p-Toluidine	29214320
m-Toluidine, ethoxylated	29214360
p-Tolyl acetate	29153920
p-Tolyl octanoate	29159020
Tolyltriazole	29336900
Tolyltriazole, potassium salt	29270040
TPSA/polyamine condensates	39093000
Trancylpramine sulfate	29214935
Trialkyl thiophosphite	29201050
Triallylamine	29211950
Triallyl trimellitate	29173950
Triamcinolone	29372200
Triamcinolone acetonide	29372200
Triamcinolone diacetate	29372200
Triamcinolone hexacetonide	29379280
Triamterene	29349025
Triaryl phosphites	29310030
Triazine	29299050
Tri(behenoyloxymethyl)trimethoxymethylmelamine	38099100
2,4,6-Tribromophenol	29081035
2,4,6-Tribromophenyl allyl ether	29093040
Tri(2-butoxyethyl) phosphate	29190050
Tributyl acetyl citrate	29181550
Tri-n-butylaluminum	29310050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS No.</i>
Tri-n-butylamine	29211910
Tributyl citrate	29181550
Tributyl phosphate	29190050
Trichloroacetonitrile	29269050
1,2,4-Trichlorobenzene	29036200
1,2,3(and 1,2,4)-Trichlorobenzene	29036200
1,1,1-Trichloro-2,2-bis(p-methoxyphenyl)ethane (Methoxychlor)	29036930
3,4,4'-Trichlorocarbonyl chloride	29242950
1,1,1-Trichloroethane (Methyl chloroform)	29031950
1,1,2-Trichloroethane (Vinyl trichloride)	29031950
Trichloroethylene	29032200
Trichlorofluoromethane (F-113)	29034000
Trichloromelamine	29336900
a-(Trichloromethyl)benzyl acetate (Rosetone)	29153920
Trichloromethylsilane	29310050
3-Trichloromethyl-1,2,4-thiadiazole	29349040
N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide (Captan)	29309040
N-Trichloromethylthiophthalimide (Folpet)	29309010
Trichloronitromethane (Chloropicrin)	29031950
Trichlorophenylsilane	29049040
1,2,3-Trichloropropane	29032900
Trichloropropylsilane	29310050
3,5,6-Trichloro-2-pyridinyloxyacetic acid	29333925
a,a,a-Trichlorotoluene (Benzotrachloride)	29035915
2,4,6-Trichloro-s-triazine (Cyanuric chloride)	29336900
1,3,5-Trichloro-s-triazine-2,4,6-(1H,3H,5H)trione (Trichloroisocyanuric acid)	29336900
Trichlorotrifluoroethane (F-113)	29034000
Trichlorovinylsilane	29310050
Tricresyl phosphate	29190050
1-Tridecanol	29051900
Tridecyl alcohol, ethoxylated	29094950
Tridecyl alcohol, ethoxylated and carbonated, sodium salt	29159050
Tridecyl alcohol, ethoxylated and phosphated	29190050
Tridecyl alcohol ethoxylated and phosphated, potassium salt	29190050
Tridecyl alcohol, ethoxylated and sulfated, sodium salt	29209050
Tridecyl alcohol, propoxylated and ethoxylated	29094950
Tridecylbenzenesulfonic acid	29041037
Tridecylbenzenesulfonic acid, sodium salt	29041037
Tridecyloxy poly(ethyleneoxy)acetic acid, sodium salt	29153950
Tridecyloxy poly(ethyleneoxy)propionic acid, potassium salt	29189050
3-(3-Tridecyloxy)propylaminopropyl amine	29211950
Tridecylphenol, ethoxylated	29095040
Tridecylphenol, ethoxylated and phosphated	29190030
Tridecyl phosphate	29190050
Tridecyl stearate	29157000
Tridecyl sulfate, sodium salt	29209050
Tri(dimethylaminomethyl)phenol	29222950
Triethanolamine	29221300
Triethanolamine, ethoxylated	29221300
Triethanolamine phosphate ester	29221300
Triethanolamine, sulfuric & phosphoric acid salts	29221300
Triethanolamine titanate	29221300
Triethyl acetylcitrate	29181550
Triethylaluminum	38159050
Triethylamine	29211910

See footnote at end of table.

Appendix B – Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS I No.</i>
Triethylamine, nitric acid salt	29211910
Triethylborane	29310050
Triethyl citrate	29181550
Triethylenediamine	29212900
Triethylene glycol	29094950
Triethylene glycol di(caprylate-caprate)	29159050
Triethylene glycol di(2-ethylbutyrate)	29159050
Triethylene glycol di(2-ethylhexanoate)	29159050
Triethylenetetramine	29212900
Triethylenetetramine, propoxylated	29225050
Tri(2-ethylhexyl) trimellitate	29173920
Triethyl orthoacetate	29110000
Triethyl orthoformate	29110000
Triethyl orthopropionate	29110000
Triethyl phosphate	29190050
Triethyl phosphite	29209050
Triethyl phosphonacetate	29201950
Trifluoroacetic acid	29159018
Trifluoroacetic anhydride	29159050
Trifluoroacetyl chloride	29159050
a, a, a-Trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (Trifluralin)	29214320
a,a,a-Trifluoro-2,6-dinitro-N-ethyl-N-(2-methyl-2-propeny1)-p-toluidine (Ethylfluralin)	29214320
Trifluoroethanol	29055010
Trifluoropropene	29033020
Triglycerides, ethoxylated	34021320
Tri-n-hexyl aluminum	38159050
Tri-n-hexyltrimellitate	29173920
Trihydrogenated tallow ammonium chloride	34021250
Triisobutylaluminum	38159050
Triisodecylamine	29211950
Triisodecylphosphite	29209050
Triisodecyl trimellitate	29173920
Triisononyl trimellitate	29173920
Triisooctyl phosphite	29209050
Triiso-octyl trimellitate	29173920
Triisopropanolamine	29211910
Trilaurylamine	29211950
all other Trimellitic acid esters	29173920
Trimellitic anhydride, acid chloride	29173950
Trimellitic trichloride	29173950
Trimer dibasic acids	29171950
Trimethoprim	29335931
Trimethoxyboroxine	38130050
Trimethylalumi num	29310050
Trimethyl amine	29211100
Trimethylamine hydrochloride	29211100
1,3,5-Trimethylbenzene (Mesitylene)	29029030
1,2,4-Trimethylbenzene (Pseudocumene)	29029030
Trimethyl benzyl dioxane	29110000
Trimethyl borate	29310050
Trimethyl-cyclododeca-trienyl ethanone	29141900
3,3,5-Trimethyl cyclohexanol (m-Homomenthol)	29061900
3,3,5-Trimethylcyclohexanol (m-homomenthol)	29061900
Trimethyl cyclohexenyl butenone	29142950
1-12,6,6-Trimethyl-2-cyclohexen-1-y1 1,6-heptadien-3-one (Allyl-a-ionone)	29142300

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

Chemical Name	HTS No.
Trimethylcyclohexyl salicylate	29182320
2,2,5-Trimethyl-3-(dichloroacetyl)-1,3-oxazolidine	29225050
Trimethylheptanol, ethoxylated	29094950
3,5,5-Trimethyl hexanal	29121920
1,1,3-Tri(2-methyl-4-hydroxy-5-tert-butylphenyl)butane	29071950
1,3,3-Trimethyl-d ² , α-indolineacetaldehyde	29339080
N,N,N-Trimethyl methanaminium octahydrotriborate	29211100
Trimethyl(mixed alkyl)ammonium chloride	34021250
2,6,8-Trimethyl-4-nonanone (Isobutyl heptyl ketone)	29141900
Trimethylnonyl alcohol, ethoxylated	29094950
Trimethyl norbornane methanol	29061900
Trimethyloctadecylammonium chloride	29239000
Trimethylolpropane, alkoxylated	29094950
Trimethylol propane ester	38239050
Trimethylolpropane tallowate (TMP tallowate)	29161950
Trimethylolpropane triacrylate	29161250
Trimethylolpropane trimethacrylate	29161400
Trimethylolpropane trioleate (TMP trioleate)	29161550
Trimethylolpropane tris-3-mercaptopropionate	29309050
Trimethyl orthoacetate	29110000
Trimethyl orthoformate	29110000
2,2,4-Trimethyl-1,3-pentanediol	29053950
Trimethylpentanediol dibenzoate	29163150
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	29156050
2,2,3-Trimethyl-1,3-pentanediol monoisobutyrate	29156050
2,2,4-Trimethylpentane (Iso-octane)	29011040
Trimethyl phosphite	29209050
Trimethyl(soybean oil alkyl) ammonium chloride	34021250
Trimethyl(tallow alkyl) ammonium chloride	34021250
trimethyl trimellitate	29173920
1,3,5-Trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl)benzene	29062950
5-(2,2,3-Trimethyl(cyclopent-3-en-1-yl)-3-methylpentan-2-ol	29052900
Tri(mixed alkyl)amine	34021250
Trinitrophenyl methyl nitramine (Nitramine)	29214950
Tri-n-octylaluminum	29310050
Trioctylamine	29211950
Trioctyl phosphate	29190050
Trioctyl trimellitate	29173920
Trioxane	29329050
Trioxsalen	29322950
Tripelennamine	29333937
Tripelennamine hydrochloride	29333937
Triphenyl phosphate	29190010
Triphenyl phosphine	29209020
Triphenyl phosphite	29209020
Triprolidine hydrochloride	29339026
Triprolidine oxalate	29333937
Tri-n-propylaluminum	29310050
Tripropylamine	29211910
Tripropylene glycol	29094950
Tripropylene glycol diacrylate	29161250
Tripropylene glycol monomethyl ether (3-(3-(13-Methoxypropoxy)propoxy)propanol)	29094950
Tris-2-chloropropyl phosphate	29190050
α,α',α''-Tris(dimethylamino)mesitol	29221940
Tris(2-methoxyethoxy)vinyl silane	29310050

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>NTS No.</i>
Tris(2-methyl-1-aziridinylphosphine oxide	29420020
Tris(pentamethyldisiloxanyl)-3-methacrylatopropylsilane	29310050
1, 1, 1-Tris(p- hydroxyphenyl)ethane	29072960
Tri- and tetraacrylate monomers	29161250
Tubocurarine	29420050
Tylosin	29412000
Undecanal	29121920
Undecanol (Linear C ₁₁ alcohol)	29051900
2-Undecanone	29141900
Urea-formaldehyde resins	39091000
Urea in feed compounds (100% Basis)	31021000
Urea in liquid fertilizer (100% Basis)	31021000
Urea in plastics (100% Basis)	31021000
Urea in solid fertilizer (100% Basis)	31021000
Urea, polymers with ethanedial	39091000
Urea polymers with formaldehyde and methanol	38099100
Urea, primary solution (Report on 100% urea-content basis)	31021000
Urease	35079000
7,7'-Ureylenebis[4-hydroxy-2-naphthalenesulfonic acid] (J-Acid urea)	29041032
Uricase	35079000
Valeraldehyde (Pentanal)	29121920
Valeric acid	29159018
Valproic acid	29159014
Vanadium oxalate	29171100
Vancomycin	29412000
Vat Black 22, 19%	32041540
Vat Black 25, 12-1/2%	32041540
Vat Blue 1, 20%	32041510
Vat Blue 6, 8-1/3%	32041540
Vat Blue 16, 16%	32041530
Vat Blue 43	32041540
Vat Blue 66	32041530
Vat blue dyes, all other	32041550
Vat brown dyes, all other	32041550
Vat Green 1, 6%	32041540
Vat Green 3, 10%	32041540
Vat Green 7	32041550
Vat green dyes, all other	32041550
Vat Orange 1, 20%	32041540
Vat Orange 2, 12%	32041520
Vat Orange 7, 11%	32041520
Vat Orange 9, 12%	32041540
Vat Red 10, 18%	32041530
Vat Red 14, 10%	32041540
Vat Red 15, 10%	32041530
Vat red dyes, all other	32041550
Vat Violet 13, 6-1/4%	32041520
Vegetable glycerides, hydrogenated	15162090
Vegetable oils, sulfated, all other	34021150
Veratraldehyde (3,4-Dimethoxybenzaldehyde)	29124920
Very high molecular weight (>1000) hydrocarbons	38239050
Vetivenyl acetate	29153945
Vinyl acetate-acrylate copolymers	39059010
Vinyl acetate, monomer	29153200
Vinyl bromide (Bromoethylene)	29033015

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS I No.</i>
Vinyl chloride, monomer (Chloroethylene)	29032100
Vinyl fluoride, monomer	29033020
Vinylidene chloride, monomer (1,1-Dichloroethylene)	29032900
Vinylidene fluoride, monomer	29033020
Vinylmethylchlorosilane	29310050
5-Vinyl-2-picoline (MVP)	29333927
2-Vinylpyridine	29333927
4-Vinylpyridine	29333927
Vinyl/pyrrole-types, other	29339095
1-Vinyl-2-pyrrolidinone--other copolymers	39059050
1-Vinyl-2-pyrrolidinone, copolymers with vinyl acetate	39059050
1-Vinyl-2-pyrrolidinone, monomer	29339046
1-Vinyl-2-pyrrolidinone, polymers	39059050
1-Vinyl-2-pyrrolidinone--vinyl acetate copolymer	39059010
Vinyl resins, all other	39059050
Vinyl toluene alkyds	39075000
Vinyltriethoxysilane	29310050
Vinyl trimethoxy silane	29310050
Violet 5:1	32041730
Violet 27	32041730
Vitamin A alcohol	29362100
Vitamin A palmitate (medicinal grade)	29362100
Vitamin B-complex, all other	29362300
Vitamin C, all other	29362700
Waxes and paraffinic products	38123040
Xanthan gum	13023900
Xanthates and sulfides, acyclic, other	29309050
Xylene Other	29024400
Xylene High purity (98-100%)	29024400
m-Xylene (90-100% of m-xylene isomer)	29024200
o-Xylene (90-100% of o-xylene isomer)	29024100
p-Xylene (90-100% Of p-xylene isomer)	29024300
2,4-Xylenesulfonic acid	29041037
Xylenesulfonic acid, ammonium salt	29041037
Xylenesulfonic acid, ammonium salt	29042045
Xylenesulfonic acid, mixed isomers	29041037
Xylenesulfonic acid, sodium salt	29041037
Xylenesulfonic acid, sodium salt	29042045
2, 6-Xylenol	29071400
Xylenol crystals	27079950
Xylenol, medium boiling point	27079950
Xylenols, not classified as to boiling point	27079950
2,4-Xylidine (m-4-Xylidine)	29214910
Xylidine, original mixture	29214945
Zeranol	29379980
Zinc acetate	29152900
Zinc t-a-alkylcarboxylate	29159050
Zinc dialkyldithiophosphate	29201050
Zinc dialkylphenol dithiophosphate	29201020
Zinc dibutyl phosphorodithioate	29201050
Zinc 2-ethylhexanoate	38159050
Zinc gluceptate	29181990
Zinc hydrocarbon dithiophosphate	29201050
Zinc isopropyl xanthate	29301000
Zinc laurate (Activator, physical property improver, and processing auxiliary)	29155901

See footnote at end of table.

Appendix B — Continued
Alphabetical Chemical Index

<i>Chemical Name</i>	<i>HTS / No.</i>
Zinc naphthenate	38232000
Zinc neodecanoate	29159050
Zinc phenolsulfonate	29082060
Zinc resinate	38062000
Zinc stearate	29157000
Zinc tallate	29162000
Zinc undecylenate	29161950
Zircoaluminate compounds	29310050
Zirconium acetate	29152900
Zirconium t-aa-alkylcarboxylate	29159050
Zirconium 2-ethylhexanoate	29159050
Zirconium neodecanoate	29159050

† The HTS classifications presented in this report are not intended to be, and will not be, binding upon the U.S. Customs Service and should not be considered as formal or informal rulings or advice.

Source: CompNed from data received in response to questionnaires of the U.S. International Trade Commission.