

# Harmonized Tariff Schedule of the United States (2007) Prelim. – Eff. 1/1/07)

Annotated for Statistical Reporting Purposes

## CHAPTER 38

### MISCELLANEOUS CHEMICAL PRODUCTS

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#### Notes

1. This chapter does not cover:
  - (a) Separate chemically defined elements or compounds with the exception of the following:
    - (1) Artificial graphite (heading 3801);
    - (2) Insecticides, rodenticides, fungicides, herbicides, antisprouting products and plant-growth regulators, disinfectants and similar products put up as described in heading 3808;
    - (3) Products put up as charges for fire-extinguishers or put up in fire-extinguishing grenades (heading 3813);
    - (4) Certified reference materials specified in note 2 below;
    - (5) Products specified in note 3(a) or 3(c) below.
  - (b) Mixtures of chemicals with foodstuffs or other substances with nutritive value, of a kind used in the preparation of human foodstuffs (generally, heading 2106);
  - (c) Ash and residues (including sludges, other than sewage sludge), containing metals, arsenic or their mixtures and meeting the requirements of note 3(a) or 3(b) to chapter 26 (heading 2620);
  - (d) Medicaments (heading 3003 or 3004); or
  - (e) Spent catalysts of a kind used for the extraction of base metals or for the manufacture of chemical compounds of base metals (heading 2620), spent catalysts of a kind used principally for the recovery of precious metal (heading 7112) or catalysts consisting of metals or metal alloys in the form of, for example, finely divided powder or woven gauze (section XIV or XV).
2.
  - (a) For the purposes of heading 3822, the expression "certified reference materials" means reference materials which are accompanied by a certificate which indicates the values of the certified properties, the methods used to determine these values and the degree of certainty associated with each value and which are suitable for analytical, calibrating or referencing purposes.
  - (b) With the exception of the products of chapter 28 or 29, for the classification of certified reference materials, heading 3822 shall take precedence over any other heading in the tariff schedule.
3. Heading 3824 includes the following goods which are not to be classified in any other heading of the tariff schedule:
  - (a) Cultured crystals (other than optical elements) weighing not less than 2.5 g each, of magnesium oxide or of the halides of the alkali or alkaline-earth metals;
  - (b) Fusel oil; Dippel's oil;
  - (c) Ink removers put up in packings for retail sale;
  - (d) Stencil correctors and other correcting fluids put up in packings for retail sale; and
  - (e) Ceramic firing testers, fusible (for example, Seger cones).
4. Throughout the tariff schedule, "municipal waste" means waste of a kind collected from households, hotels, restaurants, hospitals, shops, offices, etc., road and pavement sweepings, as well as construction and demolition waste. Municipal waste generally contains a large variety of materials such as plastics, rubber, wood, paper, textiles, glass, metals, food materials, broken furniture and other damaged or discarded articles. The term "municipal waste," does not cover:
  - (a) Individual materials or articles segregated from the waste, such as wastes of plastics, rubber, wood, paper, textiles, glass or metals and spent batteries, which fall in their appropriate headings of the tariff schedule;
  - (b) Industrial waste:
  - (c) Waste pharmaceuticals, as defined in note 4(k) to chapter 30; or
  - (d) Clinical waste, as defined in note 6(a), below.

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5. For the purposes of heading 3825, “sewage sludge” means sludge arising from urban effluent treatment plants and includes pre-treatment waste, scourings and unstabilized sludge. Stabilized sludge, when suitable for use as fertilizer, is excluded (chapter 31).
6. For the purposes of heading 3825, the expression “other wastes” applies to:
  - (a) Clinical waste, that is, contaminated waste arising from medical research, diagnosis, treatment or other medical, surgical, dental or veterinary procedures, which often contain pathogens and pharmaceutical substances and require special disposal procedures (for example, soiled dressings, used gloves and used syringes);
  - (b) Waste organic solvents;
  - (c) Wastes of metal pickling liquors, hydraulic fluids, brake fluids and anti-freezing fluids; and
  - (d) Other wastes from chemical or allied industries.

The expression “other wastes” does not, however, cover wastes which contain mainly petroleum oils or oils obtained from bituminous materials (heading 2710).

## Subheading Note

1. For the purposes of subheadings 3825.41 and 3825.49, “waste organic solvents” are wastes containing mainly organic solvents, not fit for further use as presented as primary products, whether or not intended for recovery of the solvents.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3801		Artificial graphite; colloidal or semi-colloidal graphite; preparations based on graphite or other carbon in the form of pastes, blocks, plates or other semimanufactures:				
3801.10		Artificial graphite:				
3801.10.10	00	Plates, rods, powder and other forms, wholly or partly manufactured, for manufacturing into brushes for electric generators, motors or other machines or appliances	kg	3.7%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	45%
3801.10.50	00	Other	kg	Free		10%
3801.20.00	00	Colloidal or semi-colloidal graphite	kg	Free		10%
3801.30.00	00	Carbonaceous pastes for electrodes and similar pastes for furnace linings	kg	4.9%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	30%
3801.90.00	00	Other	kg	4.9%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	45%
3802		Activated carbon; activated natural mineral products; animal black, including spent animal black:				
3802.10.00	00	Activated carbon	kg	4.8%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	45%
3802.90		Other:				
3802.90.10	00	Bone black	kg	5.8%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	20%
3802.90.20	00	Activated clays and activated earths	kg	2.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	0.6¢/kg + 30%
3802.90.50	00	Other	kg	4.8%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	45%
3803.00.00	00	Tall oil, whether or not refined	kg	Free		20%
3804.00		Residual lyes from the manufacture of wood pulp, whether or not concentrated, desugared or chemically treated, including lignin sulfonates, but excluding tall oil of heading 3803:				
3804.00.10	00	Lignin sulfonic acid and its salts	kg	Free		20%
3804.00.50	00	Other	kg	3.7%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
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 oil containing alpha-terpineol as the main constituent:				
3805.10.00	00	Gum, wood or sulfate turpentine oils	liters	5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	5%
3805.20.00	00	Pine oil	kg	Free		25%
3805.90.00	00	Other	kg	3.7%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3806		Rosin and resin acids, and derivatives thereof; rosin spirit and rosin oils; run gums:				
3806.10.00		Rosin and resin acids .....	kg	5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	5%
	10	Gum rosin .....	kg			
	50	Other .....	kg			
3806.20.00	00	Salts of rosin, of resin acids or of derivatives of rosin or resin acids, other than salts of rosin adducts .....	kg	3.7%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	25%
3806.30.00	00	Ester gums .....	kg	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	15.4¢/kg + 57%
3806.90.00	00	Other .....	kg	4.2%	Free (A,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	15.4¢/kg + 57%
3807.00.00	00	Wood tar; wood tar oils; wood creosote; wood naphtha; vegetable pitch; brewers' pitch and similar preparations based on rosin, resin acids or on vegetable pitch .....	kg	0.1%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	0.2%
3808		Insecticides, rodenticides, fungicides, herbicides, antisprouting products and plant-growth regulators, disinfectants and similar products, put up in forms or packings for retail sale or as preparations or articles (for example, sulfur-treated bands, wicks and candles, and flypapers):				
		Insecticides:				
3808.10		Fly ribbons (ribbon fly catchers) .....	kg	2.8%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	35%
3808.10.10	00					
		Other:				
		Containing any aromatic or modified aromatic insecticide:				
3808.10.15	00	Mixtures of <i>N</i> -[[[(4-chlorophenyl)amino]-carbonyl]-2,6-difluorobenzamide and inert substances .....	kg	Free		15.4¢/kg + 31%
3808.10.25	00	Other .....	kg	6.5% <sup>1/</sup>	Free (A,AU,BH,, CA,CL,E,IL,J,JO, MA,MX, P,SG)	15.4¢/kg + 31%
		Other:				
3808.10.30	00	Containing an inorganic substance .....	kg	5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	25%
3808.10.50	00	Other .....	kg	5% <sup>2/</sup>	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%

<sup>1/</sup> See headings 9902.01.46, 9902.01.49, 9902.01.52, 9902.01.72, 9902.02.09 and 9902.02.52.

<sup>2/</sup> See heading 9902.11.14.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3808 (con.)		Insecticides, rodenticides, fungicides, herbicides, antisprouting products and plant-growth regulators, disinfectants and similar products, put up in forms or packings for retail sale or as preparations or articles (for example, sulfur-treated bands, wicks and candles, and flypapers) (con.):				
3808.20		Fungicides: Containing any aromatic or modified aromatic fungicide:				
3808.20.05	00	Mixtures of dinocap and application adjuvants .....	kg .....	Free		15.4¢/kg + 31%
3808.20.15	00	Other .....	kg .....	6.5% <u>1/</u>	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	15.4¢/kg + 31%
		Other: Containing any fungicide which is a thioamide, thiocarbamate, dithiocarbamate, thiuram or isothiocyanate:				
3808.20.24	00	Maneb; Zineb; Mancozeb; and Metiram .....	kg .....	Free		25%
3808.20.28	00	Other .....	kg .....	3.7% <u>2/</u>	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	25%
3808.20.30	00	Other: Containing an inorganic substance .....	kg .....	5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	25%
3808.20.50	00	Other .....	kg .....	5% <u>3/</u>	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%

1/ See headings 9902.02.03, 9902.02.04, 9902.03.18, 9902.03.79, 9902.11.05, 9902.12.45, 9902.12.51, 9902.12.53, 9902.12.80, 9902.13.31 and 9902.38.09.

2/ See heading 9902.13.97.

3/ See heading 9902.01.59 and 9902.12.03.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3808 (con.)		Insecticides, rodenticides, fungicides, herbicides, antisprouting products and plant-growth regulators, disinfectants and similar products, put up in forms or packings for retail sale or as preparations or articles (for example, sulfur-treated bands, wicks and candles, and flypapers) (con.):				
3808.30		Herbicides, anti-sprouting products and plant-growth regulators:				
		Containing any aromatic or modified aromatic herbicide, anti-sprouting agent or plant-growth regulator:				
3808.30.05	00	Mixtures of 2,6-dichlorobenzonitrile and inerts; Mixtures of 3,5-dichloro-N-(1,1-dimethyl-2-propynyl) benzamide (Pronamide) and application adjuvants; Mixtures of 2-[(1-ethoxyimino)butyl]-5-[2-ethylthiopropyl]-3-hydroxy-2-cyclohexen-1-one (Sethoxydim) and application adjuvants; Mixtures of ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate (Fenoxaprop-ethyl) and isooctyl 2,4-dichlorophenoxyacetate; Mixtures of isooctyl 2-methyl-4-chlorophenoxyacetate and application adjuvants	kg	Free		15.4¢/kg + 31%
3808.30.15	00	Other	kg	6.5% <sup>1/</sup>	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	15.4¢/kg + 31%
3808.30.20	00	Other: Containing an inorganic substance	kg	5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	25%
3808.30.50	00	Other	kg	5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3808.40		Disinfectants:				
3808.40.10	00	Containing any aromatic or modified aromatic disinfectant	kg	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, K,MA,MX, P,SG)	15.4¢/kg + 31%
3808.40.50	00	Other	kg	5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, K,MA,MX, P,SG)	25%

<sup>1/</sup> See headings 9902.01.28, 9902.01.29, 9902.01.30, 9902.01.31, 9902.01.32, 9902.01.50, 9902.01.53, 9902.01.84, 9902.02.01, 9902.02.87, 9902.02.88, 9902.03.29, 9902.03.43, 9902.05.01, 9902.05.19, 9902.05.24, 9902.10.37, 9902.10.55, 9902.10.57, 9902.10.81, 9902.11.44, 9902.11.48, 9902.11.49, 9902.11.64, 9902.12.52, 9902.12.55, 9902.12.61, 9902.13.26, 9902.13.27, 9902.13.43, 9902.13.76, 9902.13.77, 9902.30.16, 9902.38.04 and 9902.38.69.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3808 (con.)		Insecticides, rodenticides, fungicides, herbicides, antisprouting products and plant-growth regulators, disinfectants and similar products, put up in forms or packings for retail sale or as preparations or articles (for example, sulfur-treated bands, wicks and candles, and flypapers) (con.):				
3808.90		Other:				
		Containing any aromatic or modified aromatic pesticide:				
3808.90.04	00	Mixtures of 1,1-bis(4-chlorophenyl)-2,2,2-trichloroethanol (Dicofol) and application adjuvants . . . . .	kg . . . . .	Free		15.4¢/kg + 31%
3808.90.08	00	Other . . . . .	kg . . . . .	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	15.4¢/kg + 31%
3808.90.30	00	Other: Formulated biocides based on 2-methyl-4-isothiazolin-3-one, or 2- <i>n</i> -octyl-4-isothiazolin-3-one, or 4,5-dichloro-2- <i>n</i> -octyl-4-isothiazolin-3-one, or mixtures of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one; and Metaldehyde . . . . .	kg . . . . .	Free		25%
3808.90.70	00	Other: Containing an inorganic substance . . . . .	kg . . . . .	5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	25%
3808.90.95	00	Other . . . . .	kg . . . . .	5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
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:				
3809.10.00	00	With a basis of amylaceous substances . . . . .	kg . . . . .	2.2¢/kg + 3%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	17.6¢/kg + 25%
3809.91.00	00	Other: Of a kind used in the textile or like industries . . . . .	kg . . . . .	6%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	25%
3809.92		Of a kind used in the paper or like industries:				
3809.92.10	00	Containing 5 percent or more by weight of one or more aromatic or modified aromatic substances . . . . .	kg . . . . .	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	60%
3809.92.50	00	Other . . . . .	kg . . . . .	6%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3809.93		Of a kind used in the leather or like industries:				
3809.93.10	00	Containing 5 percent or more by weight of one or more aromatic or modified aromatic substances . . . . .	kg . . . . .	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	60%
3809.93.50	00	Other . . . . .	kg . . . . .	6%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3810		Pickling preparations for metal surfaces; fluxes and other auxiliary preparations for soldering, brazing or welding; soldering, brazing or welding powders and pastes consisting of metal and other materials; preparations of a kind used as cores or coatings for welding electrodes or rods:				
3810.10.00	00	Pickling preparations for metal surfaces; soldering, brazing or welding powders and pastes consisting of metal and other materials . . . . .	kg . . . . .	5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3810.90		Other:				
3810.90.10	00	Containing 5 percent or more by weight of one or more aromatic or modified aromatic substances . . . . .	kg . . . . .	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P)	3.7¢/kg + 60%
3810.90.20	00	Consisting wholly of inorganic substances . . . . .	kg . . . . .	Free	0.3¢/kg + 3.9% (SG)	25%
3810.90.50	00	Other . . . . .	kg . . . . .	5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%



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				1		2
				General	Special	
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:				
3811.11		Antiknock preparations:				
3811.11.10	00	Based on lead compounds:				
		Based on tetraethyl lead or on a mixture of tetraethyl lead and tetramethyl lead . . . . .	kg . . . . .	Free		30%
3811.11.50	00	Other . . . . .	kg . . . . .	Free		25%
3811.19.00	00	Other . . . . .	kg . . . . .	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX,P) 0.3¢/kg + 3.9% (SG)	3.7¢/kg + 60%
3811.21.00	00	Additives for lubricating oils: Containing petroleum oils or oils obtained from bituminous minerals . . . . .	kg . . . . .	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	60%
3811.29.00	00	Other . . . . .	kg . . . . .	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3811.90.00	00	Other . . . . .	kg . . . . .	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX,P) 0.3¢/kg + 3.9% (SG)	3.7¢/kg + 60%
3812		Prepared rubber accelerators; compound plasticizers for rubber or plastics, not elsewhere specified or included; antioxidizing preparations and other compound stabilizers for rubber or plastics:				
3812.10		Prepared rubber accelerators:				
3812.10.10	00	Containing any aromatic or modified aromatic rubber accelerator . . . . .	kg . . . . .	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P) 0.3¢/kg + 3.9% (SG)	3.7¢/kg + 60%
3812.10.50	00	Other . . . . .	kg . . . . .	5% <u>1/</u>	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3812.20		Compound plasticizers for rubber or plastics:				
3812.20.10	00	Containing any aromatic or modified aromatic plasticizer . . . . .	kg . . . . .	6.5% <u>2/</u>	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P) 4.3% (SG)	15.4¢/kg + 57%
3812.20.50	00	Other . . . . .	kg . . . . .	5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%

1/ See headings 9902.12.72, 9902.12.73, 9902.12.74, 9902.12.75, and 9902.12.76.

2/ See heading 9902.38.14.

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				General	Special	
3812 (con.)		Prepared rubber accelerators; compound plasticizers for rubber or plastics, not elsewhere specified or included; antioxidantizing preparations and other compound stabilizers for rubber or plastics (con.):				
3812.30		Antioxidizing preparations and other compound stabilizers for rubber or plastics:				
		Containing any aromatic or modified aromatic antioxidant or other stabilizer:				
3812.30.20	00	Mixtures of N,N'-diaryl-p-phenylenediamines . . .	kg . . . . .	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	3.7¢/kg + 60%
3812.30.30	00	Master batches of poly[nitrilomethanetraaryl-nitrilo[2,4,6- tris(1-methylethyl)-1,3-phenylene]-2,6-bis(1-methylethyl)phenyl]-ω-[[[2,6-bis(1-methylethyl)phenyl]amino]-methylene]amino]carbodiimide or 2,4-diisocyanate-1,3,5-tris(1-methylethyl)-benzene homopolymer with polyethylene, polyethylene terephthalate, or thermoplastic polyurethanes;				
		Master batches of 3-(2H-benzotriazol-2-yl)-5-(tert-butyl)-4-hydroxybenzenepropanoic acid, C <sub>7</sub> -C <sub>9</sub> branched or linear alkyl esters; and Master batches of α-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl-ω-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl] poly(oxyethylene) . . . . .	kg . . . . .	Free		3.7¢/kg + 60%
3812.30.60	00	Other . . . . .	kg . . . . .	6.5% <u>1/</u>	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	3.7¢/kg + 60%
3812.30.70	00	Other: Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate . . . . .	kg . . . . .	Free		25%
3812.30.90	00	Other . . . . .	kg . . . . .	5% <u>2/</u>	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3813.00		Preparations and charges for fire extinguishers; charged fire-extinguishing grenades:				
3813.00.10	00	Consisting wholly of inorganic substances . . . . .	kg . . . . .	Free		25%
3813.00.50	00	Other . . . . .	kg . . . . .	3.7%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	20%

1/ See headings 9902.04.05 and 9902.04.07.

2/ See heading 9902.05.32.

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38-11

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3814.00		Organic composite solvents and thinners, not elsewhere specified or included; prepared paint or varnish removers:				
3814.00.10	00	Containing 5 percent or more but not more than 25 percent by weight of one or more aromatic or modified aromatic substances . . . . .	kg . . . . .	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX,P) 0.3¢/kg + 3.9% (SG)	3.7¢/kg + 60%
3814.00.20	00	Containing more than 25 percent by weight of one or more aromatic or modified aromatic substances . . . . .	kg . . . . .	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	15.4¢/kg + 43.5%
3814.00.50		Other . . . . .		6%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
	10	Containing methyl chloroform (1,1,1-trichloro- methane) or carbon tetrachloride . . . . .	kg			
	90	Other . . . . .	kg			
3815		Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included:				
		Supported catalysts:				
3815.11.00	00	With nickel or nickel compounds as the active substance . . . . .	kg . . . . .	Free		25%
3815.12.00	00	With precious metal or precious metal compounds as the active substance . . . . .	kg . . . . .	Free		25%
3815.19.00	00	Other . . . . .	kg . . . . .	Free		25%
3815.90		Other:				
		Consisting wholly of inorganic substances:				
3815.90.10	00	Of bismuth, of tungsten or of vanadium . . . . .	kg . . . . .	6.5%	Free (A*,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	40%
3815.90.20	00	Of mercury or of molybdenum . . . . .	kg . . . . .	2.8%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	18%
3815.90.30	00	Other . . . . .	kg . . . . .	Free		25%
3815.90.50	00	Other . . . . .	kg . . . . .	5% <sup>1/</sup>	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3816.00.00		Refractory cements, mortars, concretes and similar compositions, other than products of heading 3801 . . . . .		3%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	30%
	10	Clay . . . . .	kg			
	50	Other . . . . .	kg			

<sup>1/</sup> See headings 9902.03.34 and 9902.38.15.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3817		Mixed alkylbenzenes and mixed alkylnaphthalenes, other than those of heading 2707 or 2902:				
3817.00.10	00	Mixed alkylbenzenes: Mixed linear alkylbenzenes .....	kg .....	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX,P) 0.1¢/kg + 4.3% (SG)	15.4¢/kg + 55%
3817.00.15	00	Other .....	kg .....	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P) 0.1¢/kg + 4.3% (SG)	15.4¢/kg + 55%
3817.00.20	00	Mixed alkylnaphthalenes .....	kg .....	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX,P) 0.3¢/kg + 3.9% (SG)	3.7¢/kg + 60%
3818.00.00		Chemical elements doped for use in electronics, in the form of discs, wafers or similar forms; chemical compounds doped for use in electronics .....	kg .....	Free		25%
	10	Gallium arsenide wafers, doped .....	kg			
	90	Other .....	kg			
3819.00.00		Hydraulic brake fluids and other prepared liquids for hydraulic transmission, not containing or containing less than 70 percent by weight of petroleum oils or oils obtained from bituminous minerals .....		6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX,P) 0.3¢/kg + 3.9% (SG)	3.7¢/kg + 60%
	10	Hydraulic brake fluids .....	kg			
	90	Other .....	kg			
3820.00.00	00	Antifreezing preparations and prepared deicing fluids .....	kg .....	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	63%
3821.00.00	00	Prepared culture media for development of micro- organisms .....	kg .....	5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3822		Diagnostic or laboratory reagents on a backing and prepared diagnostic or laboratory reagents, whether or not on a backing, other than those of heading 3002 or 3006; certified reference materials:				
3822.00.10	10	Diagnostic or laboratory reagents on a backing, prepared diagnostic or laboratory reagents, whether or not on a backing, other than those of heading 3002 or 3006:				
		Containing antigens or antisera .....		Free		Free
		Containing methyl chloroform (1,1,1-trichloro- methane) or carbon tetrachloride .....	kg			
	90	Other .....	kg			
3822.00.50	10	Other .....		Free		25%
		Containing methyl chloroform (1,1,1-trichloro- methane) or carbon tetrachloride .....	kg			
	90	Other .....	kg			
3822.00.60	00	Certified reference materials .....	X	Free		25%
3823		Industrial monocarboxylic fatty acids; acid oils from refining; industrial fatty alcohols:				
		Industrial monocarboxylic fatty acids; acid oils from refining:				
3823.11.00	00	Stearic acid .....	kg	2.1¢/kg + 3.8%	Free (A,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG) 0.5¢/kg + 0.9% (AU)	6.6¢/kg + 25%
3823.12.00	00	Oleic acid .....	kg	2.1¢/kg + 3.2%	Free (A,BH, CA,CL,E,IL,J,JO, MA,MX, O,SG) 0.5¢/kg + 0.8% (AU)	6.6¢/kg + 20%
3823.13.00		Tall oil fatty acids .....		3.2%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	20%
	20	Containing less than two percent rosin .....	kg			
	40	Other .....	kg			
3823.19		Other:				
3823.19.20	00	Derived from coconut, palm-kernel or palm oil .....	kg	2.3% <sup>1/</sup>	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	20%
3823.19.40	00	Other .....	kg	3.2%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	20%

<sup>1/</sup> See heading 9902.11.32.

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38-14

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3823.70		Industrial fatty alcohols: Derived from fatty substances of animal or vegetable origin:				
3823.70.20	00	Oleyl .....	kg .....	5.1%	Free (A+,BH, CA,CL,D,E,IL,J, JO,MX, P,SG) 1.2% (AU) 3% (MA)	39.5%
3823.70.40	00	Other .....	kg .....	2%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3823.70.60	00	Other .....	kg .....	2.4%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3824		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:				
3824.10.00	00	Prepared binders for foundry molds or cores .....	kg .....	6%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3824.20.00		Naphthenic acids, their water-insoluble salts and their esters .....		3.7%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	25%
	10	Naphthenic acids .....	kg			
	50	Other .....	kg			
3824.30.00	00	Nonagglomerated metal carbides mixed together or with metallic binders .....	kg .....	3.6%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	25%
3824.40		Prepared additives for cements, mortars or concretes:				
3824.40.10	00	Containing 5 percent or more by weight of one or more aromatic or modified aromatic substances .....	kg .....	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX,P) 0.3¢/kg + 3.9% (SG)	3.7¢/kg + 60%
3824.40.20	00	Consisting wholly of inorganic substances .....	kg .....	Free		25%
3824.40.50	00	Other .....	kg .....	5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	25%
3824.50.00		Nonrefractory mortars and concretes .....		Free		20%
	10	Wet .....	t			
	50	Other .....	t			
3824.60.00	00	Sorbitol other than that of subheading 2905.44 .....	kg .....	4.9%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	50%

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3824 (con.)		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 (con.): Mixtures containing perhalogenated derivatives of acyclic hydrocarbons containing two or more different halogens:				
3824.71.00	00	Containing acyclic hydrocarbons perhalogenated only with fluorine and chlorine . . . . .	kg . . . . .	3.7%	Free (A+,AU,BH,CA,CL,D,E,IL,J,JO,MA,MX,P,SG)	25%
3824.79.00	00	Other . . . . .	kg . . . . .	3.7%	Free (A+,AU,BH,CA,CL,D,E,IL,J,JO,MA,MX,P,SG)	25%
3824.90		Other:				
3824.90.11	00	Cultured crystals (other than optical elements of chapter 90), weighing not less than 2.5 g each: In the form of ingots . . . . .	kg . . . . .	Free		25%
3824.90.19	00	Other . . . . .	kg . . . . .	6.5%	Free (A,AU,BH,CA,CL,E,IL,J,JO,MA,MX,P,SG)	50%
		Other:				
3824.90.21	00	Mixtures containing 5 percent or more by weight of one or more aromatic or modified aromatic substances: Consisting wholly of substances found naturally in coal tar, whether obtained from coal tar or other source . . . . .	kg . . . . .	Free		Free
3824.90.22	00	Consisting of polymers of 1,2-dihydro-2,2,4-trimethylquinoline averaging less than 5 monomer units . . . . .	kg . . . . .	6.5%	Free (A,AU,BH,CA,CL,E,IL,J,JO,K,MA,MX,P) 0.3¢/kg + 4.2% (SG)	15.4¢/kg + 52%
3824.90.25	00	Aqueous mixtures of triphenyl sulfonium chloride, diphenyl (4-phenylthio)phenyl sulfonium chloride and (thiodi-4,1-phenylene)bis(diphenyl sulfonium) dichloride . . . . .	kg . . . . .	6.5%	Free (A,AU,BH,CA,CL,E,IL,J,JO,K,MA,MX,P) 0.3¢/kg + 3.9% (SG)	3.7¢/kg + 60%
3824.90.26	00	Benzene, 2,4-diisocyanate-1,3,5-tris(1-methylethyl) homopolymer; 5-Fluoro-2-methyl-1-[4-(methylsulfinyl)phenyl]methylene]-1H-indene; Mixtures of dimethyl phthalate, t-butanol, hydrogen peroxide, and sodium salicylate; and Mixtures containing derivatives of N-[4-(2-hydroxy-3-phenoxypropoxy)phenyl]-acetamide . . . . .	kg . . . . .	Free		3.7¢/kg + 60%
3824.90.28	00	Other . . . . .	kg . . . . .	6.5% <sup>1/</sup>	Free (A,AU,BH,CA,CL,E,IL,J,JO,K,L,MA,MX,P) <sup>1/</sup> 0.3¢/kg + 3.9% (SG)	3.7¢/kg + 60% <sup>1/</sup>

<sup>1/</sup> See headings 9901.00.50, 9901.00.52, 9902.01.26, 9902.02.19, 9902.02.58, 9902.02.59, 9902.03.23, 9902.03.26, 9902.11.63, 9902.11.83, 9902.12.17 and 9902.38.31.

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38-16

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3824 (con.)		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 (con.):				
3824.90 (con.)		Other (con.):				
		Other (con.):				
		Mixtures of two or more inorganic compounds:				
3824.90.31	00	Of bismuth .....	kg .....	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	35%
3824.90.32	00	Of hydrosulfite compounds, of sulfoxylate compounds, or of both .....	kg .....	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P) 4.3% (SG)	35%
3824.90.33	00	Of mercury .....	kg .....	4.2%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	26.3%
3824.90.34	00	Of molybdenum .....	kg .....	2.8%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX,P,SG)	18%
3824.90.35	00	Of tungsten .....	kg .....	6.5%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,MA,MX, P,SG)	45.5%
3824.90.36	00	Of vanadium .....	kg .....	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, MA,MX, P,SG)	40%
3824.90.39	00	Other .....	kg .....	Free		25%
3824.90.40		Fatty substances of animal or vegetable origin and mixtures thereof .....		4.6% <u>1/</u>	Free (A,AU,BH, CA,CL,E,IL,J,JO, K,MA,MX, P,SG)	16.5¢/kg + 30%
	20	Mixtures of fatty acid esters .....	kg			
	90	Other .....	kg			

1/ See headings 9902.03.21 and 9902.04.15.



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38-17

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3824 (con.)		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 (con.):				
3824.90 (con.)		Other (con.):				
		Other (con.):				
		Other:				
3824.90.45	00	Mixtures that are in whole or in part of hydrocarbons derived in whole or in part from petroleum, shale oil or natural gas . . . . .	kg . . . . .	6.5% <u>1/</u>	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,K,MA,MX, P,SG) <u>1/</u>	25% <u>1/</u>
3824.90.46	00	Mixtures of halogenated hydrocarbons: Chlorinated but not otherwise halogenated . . . . .	kg . . . . .	6.5%	Free (A,AU,BH, CA,CL,E,IL,J,JO, K,MA,MX,P) 4.4% (SG)	114.5%
3824.90.47	00	Other . . . . .	kg . . . . .	3.7%	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,K,MA,MX, P,SG)	25%
3824.90.70	00	Other: Mixtures of dibromo neopentyl glycol; Polydibromophenylene oxide; Tetrabromobisphenol-A-carbonate oligomers; and Electroplating chemical and electroless plating solutions and other materials for printed circuit boards, plastics and metal finishings . . . . .	kg . . . . .	Free		25%
3824.90.91		Other . . . . .		5% <u>2/</u>	Free (A+,AU,BH, CA,CL,D,E,IL,J, JO,K,MA,MX, P,SG) <u>1/</u>	25% <u>1/</u>
	10	Mixtures of acyclic, monohydric, unsubstituted alcohols: Containing C <sub>11</sub> or lower alcohols only . . . . .	kg			
	20	Containing C <sub>12</sub> or higher alcohols only . . . . .	kg			
	30	Other . . . . .	kg			
	61	Mixtures consisting mainly of chemicals containing a phosphorus atom to which is bonded one methyl, ethyl, <i>n</i> -propyl or isopropyl group, but no other carbon atoms . . . . .	kg			
	90	Other . . . . .	kg			

1/ See headings 9901.00.50 and 9901.00.52.

2/ See headings 9901.00.50, 9901.00.52, 9902.03.24, 9902.11.04, 9902.12.56, 9902.29.83 and 9902.38.10.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
3825		Residual products of the chemical or allied industries, not elsewhere specified or included; municipal waste; sewage sludge; other wastes specified in note 6 to this chapter:				
3825.10.00	00	Municipal waste .....	X .....	Free		Free
3825.20.00	00	Sewage sludge .....	X .....	Free		Free
3825.30.00	00	Clinical waste .....	X .....	Free		Free
		Waste organic solvents:				
3825.41.00	00	Halogenated .....	X .....	Free		Free
3825.49.00	00	Other .....	X .....	Free		Free
3825.50.00	00	Wastes of metal-pickling liquors, hydraulic fluids, brake fluids and anti-freeze fluids .....	X .....	Free		Free
		Other wastes from the chemical or allied industries:				
3825.61.00	00	Mainly containing organic constituents .....	X .....	Free		Free
3825.69.00	00	Other .....	X .....	Free		Free
3825.90.00	00	Other .....	X .....	Free		Free