

CHAPTER 38  
MISCELLANEOUS CHEMICAL PRODUCTS

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) Products specified in note 2(a) or 2(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) Medicaments (heading 3003 or 3004).
2. Heading 3823 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).

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 1 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,E,IL) 2.9% (CA)	45%	
3801.10.50	00 2 Other.....	kg.....	Free		10%	
3801.20.00	00 1 Colloidal or semi-colloidal graphite.....	kg.....	Free		10%	
3801.30.00	00 9 Carbonaceous pastes for electrodes and similar pastes for furnace linings.....	kg.....	4.9%	Free (A,E,IL) 3.9% (CA)	30%	
3801.90.00	00 6 Other.....	kg.....	4.9%	Free (A,E,IL) 3.9% (CA)	45%	
3802	Activated carbon; activated natural mineral products; animal black, including spent animal black:					
3802.10.00	00 2 Activated carbon.....	kg.....	4.8%	Free (A,E,IL) 3.8% (CA)	45%	
3802.90	Other:					
3802.90.10	00 3 Bone black.....	kg.....	5.8%	Free (A,E,IL) 4.6% (CA)	20%	
3802.90.20	00 1 Activated clays and activated earths.....	kg.....	2.5%	Free (A,E,IL) 2% (CA)	0.6¢/kg + 30%	
3802.90.50	00 4 Other.....	kg.....	4.8%	Free (A,E,IL) 3.8% (CA)	45%	
3803.00.00	00 3 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 0 Lignin sulfonic acid and its salts.....	kg.....	Free		20%	
3804.00.50	00 1 Other.....	kg.....	3.7%	Free (E,IL) 2.9% (CA)	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 9 Gum, wood or sulfate turpentine oils.....	liters..	5%	Free (A,E,IL) 4% (CA)	5%	
3805.20.00	00 7 Pine oil.....	kg.....	Free		25%	
3805.90.00	00 2 Other.....	kg.....	3.7%	Free (E,IL) 2.9% (CA)	25%	
3806	Rosin and resin acids, and derivatives thereof; rosin spirit and rosin oils; run gums:					
3806.10.00	Rosin.....		5%	Free (A,E,IL) 4% (CA)	5%	
	10 6 Gum rosin.....	kg				
	50 7 Other.....	kg				
3806.20.00	00 6 Salts of rosin or of resin acids.....	kg.....	3.7%	Free (A,E,IL) 2.9% (CA)	25%	
3806.30.00	00 4 Ester gums.....	kg.....	2.2¢/kg + 7.7%	Free (A,E,IL) 1.7¢/kg + 6.1% (CA)	15.4¢/kg + 57%	
3806.90.00	00 1 Other.....	kg.....	4.2%	Free (E,IL) 3.3% (CA)	15.4¢/kg + 57%	
3807.00.00	00 9 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.....	0.9¢/kg	Free (A,E,IL) 0.7¢/kg (CA)	2.2¢/kg	

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):				
3808.10	Insecticides:				
3808.10.10	00 4	Fly ribbons (ribbon fly catchers)..... X.....	2.8%	Free (A,E,IL) 2.2% (CA)	35%
3808.10.20	00 2	Other: Containing any aromatic or modified aromatic insecticide.....	kg..... 1.8¢/kg + 9.7%	Free (A,E,IL) 1.4¢/kg + 7.7% (CA)	15.4¢/kg + 31%
3808.10.30	00 0	Other: Containing an inorganic substance.....	kg..... 5%	Free (A,E,IL) 4% (CA)	25%
3808.10.50	00 5	Other.....	kg..... 5%	Free (E,IL) 4% (CA)	25%
3808.20	Fungicides:				
3808.20.10	00 2	Containing any aromatic or modified aromatic fungicide.....	kg..... 1.8¢/kg + 9.7% <u>1/</u>	Free (A,E,IL) 1.4¢/kg + 7.7% (CA)	15.4¢/kg + 31%
3808.20.20	00 0	Other: Containing any fungicide which is a thioamide, thiocarbamate, dithiocarbamate, thiuram or isothiocyanate.....	kg..... 3.7% <u>2/</u>	Free (E,IL) 2.9% (CA)	25%
3808.20.30	00 8	Other: Containing an inorganic substance.....	kg..... 5%	Free (A,E,IL) 4% (CA)	25%
3808.20.50	00 3	Other.....	kg..... 5%	Free (E,IL) 4% (CA)	25%
3808.30	Herbicides, antisprouting products and plant-growth regulators:				
3808.30.10	00 0	Containing any aromatic or modified aromatic herbicide, antisprouting agent or plant-growth regulator.....	kg..... 1.8¢/kg + 9.7% <u>3/</u>	Free (A,E,IL) 1.4¢/kg + 7.7% (CA) <u>4/</u>	15.4¢/kg + 31%
3808.30.20	00 8	Other: Containing an inorganic substance..	kg..... 5%	Free (A,E,IL) 4% (CA)	25%
3808.30.50	00 1	Other.....	kg..... 5%	Free (E,IL) 4% (CA)	25%
3808.40	Disinfectants:				
3808.40.10	00 8	Containing any aromatic or modified aromatic disinfectant.....	kg..... 1.8¢/kg + 9.7%	Free (A,E,IL) 1.4¢/kg + 7.7% (CA)	15.4¢/kg + 31%
3808.40.50	00 9	Other.....	kg..... 5%	Free (A,E,IL) 4% (CA)	25%

1/ Duty on dinocap, mixed with application adjuvants, temporarily suspended. See subheading 9902.38.06.  
2/ Duty on maneb, zineb, mancozeb and metiram temporarily suspended. See subheading 9902.38.08.  
3/ Duty on sethoxydim, mixed with application adjuvants, temporarily suspended. See subheading 9902.38.09.  
4/ Duty on fenridazon-potassium originating in the territory of Canada temporarily suspended. See subheading 9902.38.12.

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:			
3808.90.10 00 7	Containing any aromatic or modified aromatic pesticide.....	kg.....	1.8¢/kg + 9.7% <u>1</u> /	Free (A,E,IL) 1.4¢/kg + 7.7% (CA) 15.4¢/kg + 31%
3808.90.20 00 5	Other: Containing an inorganic substance..	kg.....	5% <u>2</u> /	Free (A,E,IL) 4% (CA) 25%
3808.90.50 00 8	Other.....	kg.....	5% <u>3</u> /	Free (E,IL) 4% (CA) 25%
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 5	With a basis of amylaceous substances.....	kg.....	4.4¢/kg + 6%	Free (A,E,IL) 3.5¢/kg + 4.8% (CA) 17.6¢/kg + 25%
3809.91.00 00 7	Other: Of a kind used in the textile industry...	kg.....	6%	Free (A,E,IL) 4.8% (CA) 25%
3809.92	Of a kind used in the paper industry:			
3809.92.10 00 4	Containing 5 percent or more by weight of one or more aromatic or modified aromatic substances.....	kg.....	12%	Free (E,IL) 9.6% (CA) 60%
3809.92.50 00 5	Other.....	kg.....	6%	Free (E,IL) 4.8% (CA) 25%
3809.99	Other:			
3809.99.10 00 7	Containing 5 percent or more by weight of one or more aromatic or modified aromatic substances.....	kg.....	12%	Free (E,IL) 9.6% (CA) 60%
3809.99.50 00 8	Other.....	kg.....	6%	Free (E,IL) 4.8% (CA) 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 2	Pickling preparations for metal surfaces; soldering, brazing or welding powders and pastes consisting of metal and other materials.....	kg.....	5%	Free (E,IL) 4% (CA) 25%
3810.90	Other:			
3810.90.10 00 3	Containing 5 percent or more by weight of one or more aromatic or modified aromatic substances.....	kg.....	3.7¢/kg + 13.6%	Free (E,IL) 2.9¢/kg + 10.8% (CA) 3.7¢/kg + 60%
3810.90.20 00 1	Consisting wholly of inorganic substances.....	kg.....	Free	25%
3810.90.50 00 4	Other.....	kg.....	5%	Free (E,IL) 4% (CA) 25%

1/ Duty on certain pesticides temporarily suspended. See subheadings 9902.38.07 and 9902.38.11.

2/ Duty on 2-n-octyl-4-isothiazolin-3-one, mixed with application adjuvants, and on mixtures of 5-chloro-2-methyl-4-isothiazolin-3-one, 2-methyl-4-isothiazolin-3-one, magnesium chloride and stabilizers, with or without application adjuvants, temporarily suspended. See subheadings 9902.29.76 and 9902.38.10, respectively.

3/ Duty on 2-n-octyl-4-isothiazolin-3-one, mixed with application adjuvants and on metaldehyde temporarily suspended. See subheadings 9902.29.76 and 9902.36.06, respectively.

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:				
	Antiknock preparations:				
3811.11	Based on lead compounds:				
3811.11.10	Based on tetraethyl lead or on a mixture of tetraethyl lead and tetramethyl lead.....	kg.....	7.2%	Free (A,E,IL) 5.7% (CA)	30%
3811.11.50	Other.....	kg.....	6%	Free (A,E,IL) 4.8% (CA)	25%
3811.19.00	Other.....	kg.....	3.7¢/kg + 13.6%	Free (E,IL) 2.9¢/kg + 10.8% (CA)	3.7¢/kg + 60%
	Additives for lubricating oils:				
3811.21.00	Containing petroleum oils or oils obtained from bituminous minerals.....	kg.....	12%	Free (E,IL) 9.6% (CA)	60%
3811.29.00	Other.....	kg.....	7%	Free (E,IL) 5.6% (CA)	25%
3811.90.00	Other.....	kg.....	3.7¢/kg + 13.6%	Free (E,IL) 2.9¢/kg + 10.8% (CA)	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:				
	Prepared rubber accelerators:				
3812.10	Containing any aromatic or modified aromatic rubber accelerator.....	kg.....	3.7¢/kg + 13.6%	Free (E,IL) 2.9¢/kg + 10.8% (CA)	3.7¢/kg + 60%
3812.10.50	Other.....	kg.....	5%	Free (E,IL) 4% (CA)	25%
	Compound plasticizers for rubber or plastics:				
3812.20	Containing any aromatic or modified aromatic plasticizer.....	kg.....	0.2¢/kg + 17.7%	Free (A,E,IL) 0.1¢/kg + 14.1% (CA)	15.4¢/kg + 57%
3812.20.50	Other.....	kg.....	5%	Free (E,IL) 4% (CA)	25%
	Antioxidizing preparations and other compound stabilizers for rubber or plastics:				
3812.30.10	Containing any aromatic or modified aromatic antioxidant or other stabilizer.....	kg.....	3.7¢/kg + 13.6%	Free (E,IL) 2.9¢/kg + 10.8% (CA)	3.7¢/kg + 60%
3812.30.50	Other.....	kg.....	5%	Free (E,IL) 4% (CA)	25%

3813.00	Preparations and charges for fire extinguishers; charged fire-extinguishing grenades:				
3813.00.10 00 9	Consisting wholly of inorganic substances.....	kg.....	Free		25%
3813.00.50 00 0	Other.....	kg.....	3.7%	Free (A,E,IL) 2.9% (CA)	20%
3814.00	Organic composite solvents and thinners, not else- where specified or included; prepared paint or varnish removers:				
3814.00.10 00 8	Containing 5 percent or more but not more than 25 percent by weight of one or more aromatic or modified aromatic substances.....	kg.....	3.7¢/kg + 13.6%	Free (E,IL) 2.9¢/kg + 10.8% (CA)	3.7¢/kg + 60%
3814.00.20 00 6	Containing more than 25 percent by weight of one or more aromatic or modified aromatic substances.....	kg.....	10%	Free (A,E,IL) 8% (CA)	15.4¢/kg + 43.5%
3814.00.50 00 9	Other.....	kg.....	6%	Free (E,IL) 4.8% (CA)	25%
3815	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere speci- fied or included:				
	Supported catalysts:				
3815.11.00 00 6	With nickel or nickel compounds as the active substance.....	kg.....	Free		25%
3815.12.00 00 5	With precious metal or precious metal compounds as the active substance.....	kg.....	Free		25%
3815.19.00 00 8	Other.....	kg.....	Free		25%
3815.90	Other: Consisting wholly of inorganic substances:				
3815.90.10 00 8	Of bismuth, of tungsten or of vanadium.....	kg.....	7.4%	Free (A,E,IL) 5.9% (CA)	40%
3815.90.20 00 6	Of mercury or of molybdenum.....	kg.....	2.8%	Free (A,E,IL) 2.2% (CA)	18%
3815.90.30 00 4	Other.....	kg.....	Free		25%
3815.90.50 00 9	Other.....	kg.....	5%	Free (E,IL) 4% (CA)	25%

3816.00.00	Refractory cements, mortars, concretes and similar compositions, other than products of heading 3801..	3%	Free (A,E,IL) 2.4% (CA)	30%
10 6	Clay.....	kg		
50 7	Other.....	kg		
3817	Mixed alkylbenzenes and mixed alkyl-naphthalenes, other than those of heading 2707 or 2902:			
3817.10.00 00 5	Mixed alkylbenzenes.....	kg.....	1.1¢/kg + 17.3%	Free (A,E,IL) 0.8¢/kg + 13.8% (CA) 15.4¢/kg + 55%
3817.20.00 00 3	Mixed alkyl-naphthalenes.....	kg.....	3.7¢/kg + 13.6%	Free (E,IL) 2.9¢/kg + 10.8% (CA) 3.7¢/kg + 60%
3818.00.00 00 6	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%
3819.00.00 00 5	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.....	kg.....	3.7¢/kg + 13.6%	Free (E,IL) 2.9¢/kg + 10.8% (CA) 3.7¢/kg + 60%
3820.00.00 00 2	Antifreezing preparations and prepared deicing fluids.....	kg.....	12%	Free (E,IL) 9.6% (CA) 63%
3821.00.00 00 1	Prepared culture media for development of micro-organisms.....	kg.....	5%	Free (E,IL) 4% (CA) 25%
3822.00	Composite diagnostic or laboratory reagents, other than those of heading 3002 or 3006:			
3822.00.10 00 8	Containing antigens or antisera.....	kg.....	Free	Free
3822.00.50 00 9	Other.....	kg.....	5%	Free (E,IL) 4% (CA) 25%

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:				
3823.10.00	00 7	Prepared binders for foundry molds or cores... kg.....	6%		Free (E,IL) 4.8% (CA)	25%
3823.20.00		Naphthenic acids, their water-insoluble salts and their esters.....	3.7%		Free (A,E,IL) 2.9% (CA)	25%
	10 3	Naphthenic acids..... kg				
	50 4	Other..... kg				
3823.30.00	00 3	Nonagglomerated metal carbides mixed together or with metallic binders..... kg.....	3.6%		Free (A,E,IL) 2.8% (CA)	25%
3823.40		Prepared additives for cements, mortars or concretes:				
3823.40.10	00 9	Containing 5 percent or more by weight of one or more aromatic or modified aromatic substances..... kg.....	3.7¢/kg + 13.6%		Free (E,IL) 2.9¢/kg + 10.8% (CA)	3.7¢/kg + 60%
3823.40.20	00 7	Consisting wholly of inorganic sub- stances..... kg.....	Free			25%
3823.40.50	00 0	Other..... kg.....	5%		Free (E,IL) 4% (CA)	25%
3823.50.00		Nonrefractory mortars and concretes.....	Free			20%
	10 6	Wet..... t				
	50 7	Other..... t				
3823.60.00	00 6	Sorbitol other than that of subheading 2905.44..... kg.....	5.8%		Free (A,E,IL) 4.6% (CA)	50%
3823.90		Other:				
		Cultured crystals (other than optical elements of chapter 90), weighing not less than 2.5 g each:				
3823.90.11	00 7	In the form of ingots..... kg.....	Free			25%
3823.90.19	00 9	Other..... kg.....	10%		Free (A,E,IL) 8% (CA)	50%
		Other:				
		Mixtures containing 5 percent or more by weight of one or more aromatic or modified aromatic substances:				
3823.90.21	00 5	Consisting wholly of sub- stances found naturally in coal tar, whether obtained from coal tar or other source.. kg.....	Free			Free
3823.90.22	00 4	Consisting of polymers of 1,2-dihydro-2,2,4-trimethyl- quinoline averaging less than 5 monomer units..... kg.....	3.7¢/kg + 16.2%		Free (A,E,IL) 2.9¢/kg + 12.9% (CA)	15.4¢/kg + 52%
3823.90.29	00 7	Other..... kg.....	3.7¢/kg + 13.6% <u>1</u> / <u>2</u>		Free (E,IL) <u>1</u> / 2.9¢/kg + 10.8% (CA) <u>1</u> / 	3.7¢/kg + 60% <u>1</u> / 

1/ Certain imports of mixtures containing ethyl alcohol are subject to additional duties. See subheading 9901.00.50.  
2/ Duty on certain mixtures containing derivatives of N-[4-(2-hydroxy-3-phenoxypropoxy)phenyl]acetamide temporarily suspended.  
See subheading 9902.38.23.

3823 (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; residual products of the chemical or allied industries, not elsewhere specified or included (con.):			
3823.90 (con.)	Other (con.):			
	Other (con.):			
	Mixtures of two or more inorganic compounds:			
3823.90.31 00 3	Of bismuth.....	kg..... 7%	Free (A,E,IL) 5.6% (CA)	35%
3823.90.32 00 2	Of hydrosulfite compounds, of sulfoxylate compounds, or of both.....	kg..... 17.5%	Free (A,E,IL) 14% (CA)	35%
3823.90.33 00 1	Of mercury.....	kg..... 13.2¢/kg + 4%	Free (A,E,IL) 10.5¢/kg + 3.2% (CA)	48.4¢/kg + 25%
3823.90.34 00 0	Of molybdenum.....	kg..... 2.8%	Free (A,E,IL) 2.2% (CA)	18%
3823.90.35 00 9	Of tungsten.....	kg..... 10%	Free (E,IL) 8% (CA)	45.5%
3823.90.36 00 8	Of vanadium.....	kg..... 7.4%	Free (A,E,IL) 5.9% (CA)	40%
3823.90.39 00 5	Other.....	kg..... Free		25%
3823.90.40 00 2	Fatty substances of animal or vegetable origin and mixtures thereof...	kg..... 4.6%	Free (A*,E,IL) 3.6% (CA)	16.5¢/kg + 30%
	Other:			
3823.90.45 00 7	Mixtures that are in whole or in part of hydrocarbons derived in whole or in part from petroleum, shale oil or natural gas.....	kg..... 7% <u>1</u> /	Free (E,IL) 5.6% (CA)	25%
	Mixtures of halogenated hydrocarbons:			
3823.90.46 00 6	Chlorinated but not otherwise halogenated.....	kg..... 18%	Free (A,E,IL) 14.4% (CA)	114.5%
3823.90.47 00 5	Other.....	kg..... 3.7%	Free (E,IL) 2.9% (CA)	25%
3823.90.50	Other.....	..... 5% <u>1</u> /	Free (E,IL) <u>1</u> / 4% (CA) <u>1</u> /	25% <u>1</u> /
	Mixtures of acyclic, monohydric, unsubstituted alcohols:			
10 7	Containing C <sub>11</sub> or lower alcohols only..	kg		
20 5	Containing C <sub>12</sub> or higher alcohols only.....	kg		
30 3	Other.....	kg		
50 8	Other.....	kg		

1/ Certain imports of mixtures containing ethyl alcohol are subject to additional duties. See subheading 9901.00.50.