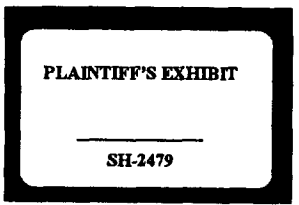


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13. A new § 172.102 in association with the Optional Hazardous Materials Table is added to read as follows:

§ 172.102 Purpose and use of the optional hazardous materials table.

(a) The Optional Hazardous Materials Table (Optional Table) set forth in this section provides description, classification, labeling and vessel stowage requirements which may be used as an alternative to the corresponding requirements in § 172.101 under conditions set forth in this section. The provisions of this section do not apply to materials designated as hazardous materials under this subchapter that are not subject to the requirements of the IMCO Code. This section does not designate materials as hazardous materials. Such designations are made only in § 172.101. A number of materials listed in the Optional Table may not be subject to the requirements of this subchapter, but they are subject to regulation under widely applied international standards and are listed in this section in the interest of providing consistency with those standards and to alert persons offering or accepting these materials for transportation that the materials may be subject to regulation in international transport.

(b) The requirements of § 172.101 notwithstanding, a hazardous material (other than Class A or B explosives and Radioactive materials) may be classed, labeled, or described in accordance with this section provided the material conforms to all additional defining or limiting conditions prescribed for the description in the appropriate schedule of the IMCO Code.

(c) When a material is transported by aircraft, motor vehicle, or rail transport vehicle under the description and IMCO class or division provided in the Optional Table, the shipping paper required by § 172.202(a) must include the class name from Part 173 of this subchapter which most closely corresponds to the IMCO class indicated for the material in the Optional Table. For example, the IMCO proper shipping name, class and identification number for Ethylene oxide are "Ethylene oxide, 2.1, UN1040". While Ethylene oxide would be classed as a Flammable liquid under § 172.101, the class in Part 173 of this subchapter that most closely corresponds to the IMCO class provided in the Optional Table is "Flammable gas". The proper shipping paper description would be "Ethylene oxide, 2.1, Flammable gas, UN 1040".

(d) When appropriate, the entries "IMCO" or "IMCO Class" may be entered immediately before or

immediately following the class entry in the basic description. For example: "Ethylene oxide, IMCO Class 2.1, Flammable gas, UN 1040."

(e) If a hazardous material that is a hazardous substance is offered, accepted or transported under an acceptable shipping name from the Optional Table that does not contain the name of the hazardous substance, the name of the hazardous substance shall be entered in association with the proper shipping name.

(f) Column 1 contains the letter "N" immediately adjacent to certain entries. The letter "N" means that the entry is not an acceptable alternative and the material must be transported under the appropriate entry in § 172.101.

(g) Column 2 lists the optional proper shipping names for hazardous materials. Proper shipping names are limited to those shown in Roman type (not italics). In the selection of a proper shipping name to describe a particular material, if the correct technical name is not shown, or is not appropriate, selection must be made from the general description or "n.o.s." entries corresponding to the specific hazard class of the material being shipped. The name that most appropriately describes the material must be used; e.g., an alcohol not listed by name in the Optional Table must be shipped as an "Alcohol n.o.s." rather than "Flammable liquid n.o.s." unless the technical name of the alcohol is listed, e.g., Methanol. Some mixtures may be more appropriately described by their application, such as "Paint" or "Cleaning compound".

(1) Shipping names may be entered in either upper or lower case letters.

(2) The words in italics are not part of the proper shipping name but may be used in addition to the proper shipping name. The word "or" in italics indicates that any terms in the sequence may be used as the proper shipping name, as appropriate.

(3) When one entry references another entry by use of a "see" and both names are in Roman type, either name may be used as a proper shipping name (e.g., Methyl alcohol. See Methanol).

(4) If not included in the proper shipping name in the Optional Table, the proper shipping name for a hazardous material that is a hazardous waste must include the word "Waste" preceding the name of the material. For example: Waste turpentine.

(h) Column 3 contains the hazard class or division designated for the material in the IMCO Code. In the case of explosives, a letter designating the "compatibility group" of the substance or article is also included immediately following the division. Detailed

definitions of the classes, divisions, and compatibility groups are provided in the IMCO Code. Basic definitions of the IMCO classes and divisions (with corresponding DOT classes shown in parentheses) are follows:

(1) Class 1—Explosives.

(i) Division 1.1—Substances and articles which have a mass explosion hazard. (*Explosive A*)

(ii) Division 1.2—Substances and articles which have a projection hazard but not a mass explosion hazard. (*Explosive A or B*)

(iii) Division 1.3—Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard. (*Explosive B*)

(iv) Division 1.4—Substances and articles which present no significant hazard. (*Explosive C*)

(v) Division 1.5—Very insensitive substances. (*Blasting Agent*)

(2) Class 2—Gases (compressed, liquefied or dissolved under pressure).

(i) Division 2.1—Flammable gases. (*Flammable gas*)

(ii) Division 2.2—Nonflammable gases. (*Nonflammable gas*)

(iii) Division 2.3—Poison gases. (*Poison A*)

(3) Class 3—Flammable liquids.

(i) Division 3.1—Low flash point group (liquids with flash points below 0°F.). (*Flammable liquid*)

(ii) Division 3.2—Intermediate flash point group (liquids with flash points of 0°F. or above but less than 73°F.). (*Flammable liquid*)

(iii) Division 3.3—High flash point group (liquids with flash points of 73°F. or above but less than 141°F.). (*Flammable liquid or Combustible liquid*)

(4) Class 4—Flammable solids or substances.

(i) Division 4.1—Flammable solids. (*Flammable solid*)

(ii) Division 4.2—Substances liable to spontaneous combustion. (*Flammable solid or, for pyroforic liquids, Flammable liquid*)

(iii) Division 4.3—Substances emitting flammable gases when wet. (*Flammable solid*)

(5) Class 5—Oxidizing substances.

(i) Division 5.1—Oxidizing substances or agents. (*Oxidizer*)

(ii) Division 5.2—Organic peroxides. (*Organic peroxide*)

(6) Class 6—Poisonous and infectious substances.

(i) Division 6.1—Poisonous substances. (*Poison B*)

(ii) Division 6.2—Infectious substances. (*Etiologic agent*)

(7) Class 7—Radioactive substances. (*Radioactive material*)

(8) Class 8—Corrosives. (*Corrosive material*)

(9) Class 9—Miscellaneous dangerous substances. (*Other regulated material*)

(i) Column 4 contains the United Nations number listed for the substance or article in the IMCO Code. A number of substances or articles have no UN number provided for them in the IMCO Code. For some of these entries, the UN number of the article or substance which most appropriately corresponds to that particular entry is shown in parentheses.

(j) Column 5 specifies the labels to be applied to each package. Specifications for labels for domestic and export shipments shall be either as provided in this subchapter or as provided in the IMCO Code, except that color shall be as prescribed in § 172.407(d). The label referred to as the "St. Andrews Cross" label is the "Harmful-Stow Away From Foodstuffs" label provided by IMCO for materials of Class 6.1 Packaging Group III.

(k) Column 6 provides the packaging group specified for the material in the IMCO Code.

(l) Column 7 specifies each of the authorized stowage locations on board cargo vessels and passenger vessels and certain additional requirements for shipments of listed hazardous materials. Section 176.63 of this subchapter sets forth the physical requirements for each of the authorized stowage locations listed in Column 7. The authorized stowage locations are defined as follows:

(1) "1" means the material must be stowed "on deck."

(2) "2" means the material must be stowed "under deck."

(3) "3" means the material must be stowed "under deck away from heat."

(4) "1,2" means the material may be stowed either "on deck" or "under deck"; however, "under deck" stowage should be used if available.

(5) "1,3" means the material may be stowed either "on deck" or "under deck away from heat"; however, "under deck away from heat" stowage should be used if it is available.

(6) "5" means the material is forbidden and may not be offered or accepted for transportation by vessel.

(7) "6" means the material is authorized to be transported in a magazine subject to the requirements of §§ 176.135 through 176.144 of this subchapter.

172.102 Optional Hazardous Materials Table

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a)	(b)	(c)
						Cargo vessel	Pass- enger vessel	Other requirements
	Acetal	3.1	UN 1088	Flammable Liquid	II	1.3	5	Keep cool
	Acetaldehyde	3.1	UN 1089	Flammable Liquid	I	1.3	5	Keep cool
	Acetaldehyde oxime	3.3	UN 2332	Flammable Liquid	II	1.2	1.2	
	Acetic acid, solution containing not less than 80% of acid	3.3	UN 1842	Flammable Liquid, Corrosive	II	1.2	1.2	
	Acetic anhydride	8	UN 1775	Corrosive	II	1.2	1.2	Stow 'separated longitudinally by an intervening complete compartment or hold from' explosives
	Acetone	3.1	UN 1090	Flammable Liquid	II	1.3	5	
	Acetone cyanohydrin, stabilized	6.1	UN 1541	Poison	I	1	5	Shade from radiant heat. Stow 'away from' acids and alkalis
	Acetone oils	3.2	UN 1091	Flammable Liquid	II	1.2	1	
	Acetonitrile. See Methyl cyanide							
	Acetyl acetone peroxide, maximum concentration 40% in solution	5.2	UN 2080	Organic Peroxide	II	1	5	
	Acetyl benzoyl peroxide, maximum concentration 45% in solution	5.2	UN 2081	Organic Peroxide	II	1	5	
	Acetyl bromide	8	UN 1716	Corrosive	I	1	1	Keep 'dry. Glass carboys prohibited on passenger vessels
	Acetyl chloride	8	UN 1717	Corrosive, Flammable Liquid	I	1	1	Keep 'dry. Shade from radiant heat. Stow 'separated longitudinally by an intervening complete compartment or hold from' explosives
	Acetyl cyclohexane sulphonyl peroxide, maximum concentration 82%, wetted with minimum 12% water	5.2	UN 2082	Organic Peroxide	I	1	5	Maximum transport temperature -10 degrees C
	Acetyl cyclohexane sulphonyl peroxide, maximum concentration 32% in solution	5.2	UN 2083	Organic Peroxide	II	1	5	Maximum transport temperature -10 degrees C
	Acetylene, dissolved	2.1	UN 1001	Flammable Gas	-	1	1	Shade from radiant heat. Stow 'separated from' chlorine
	Acetylene tetrabromide	6.1	UN 2304	St. Andrews Cross	III	1.2	1.2	
	Acetyl iodide	8	UN 1898	Corrosive	II	1	1	Keep 'dry. Glass carboys prohibited on passenger vessels
	Acetyl methyl carbinol	3.3	UN 2621	Flammable Liquid	III	1.2	1.2	
	Acetyl peroxide, maximum concentration 27% in solution	5.2	UN 2084	Organic Peroxide	II	1	5	
	Acid butyl phosphate	8	UN 1718	Corrosive	III	1.2	1.2	Glass carboys in hampers prohibited under deck
	Acid mixtures, hydrofluoric and sulphuric	8	UN 1786	Corrosive	I	1	5	Stow 'away from' fluorides
	Acid mixtures, nitric acid	8	UN 1796	Corrosive	I/II	1	5	Stow 'away from' fluorides
	Acid mixtures, spent	8	UN 1826	Corrosive	I/II	1	5	Stow 'away from' fluorides
	Acids, liquid, n.o.s. See Corrosive liquids, n.o.s.							
	Acrolein dimer, stabilized	3.3	UN 2607	Flammable Liquid	II	1.2	1.2	
	Acrolein, inhibited	3.1	UN 1092	Flammable Liquid, Poison	I	1.3	5	Keep cool
	Acrylamide	6.1	UN 2074	St. Andrews Cross	III	1.2	1.2	Keep cool. Shade from radiant heat
	Acrylonitrile	6.1	UN 2074	St. Andrews Cross	III	1.2	1.2	Shade from radiant heat. Keep cool
	Acrylic acid, inhibited	8	UN 2218	Corrosive	II	1	1	Shade from radiant heat. Keep cool. Glass carboys prohibited on passenger vessels
	Acrylonitrile, inhibited	3.1	UN 1093	Flammable Liquid, Poison	I	1.3	5	Keep cool
	Activated carbon. See Carbon, activated							
	Activated charcoal. See Carbon, activated							
	Adhesives, n.o.s. See Cement, adhesive, containing a flammable liquid							
	Adiponitrile	6.1	UN 2205	St. Andrews Cross	III	1.2	1.2	Shade from radiant heat
	Aerosol dispensers, with a capacity below 1400 cubic cm:							
	(1) more than 10% by weight of total contents consisting of flammable gas	2.1	UN 1930	Flammable Gas	-	1.3	1.3	
	(2) internal pressure greater than 160 psig at 130 deg F.	2.2	UN 1930	Nonflammable Gas	-	1.3	1.3	
	(3) more than 45% by weight of total contents consisting of flammable liquid. This limit is reduced to 35% if there is any flammable gas present.	3.1	UN 1980	Flammable Liquid	-	1.3	1.3	
	(4) more than 10% by weight of toxic substances in the liquid concentrate	3.2	UN 1930	Flammable Liquid	-	1.3	1.3	
	(5) more than 5% by weight of corrosive substances in the liquid concentrate	3.3	UN 1930	Flammable Liquid	-	1.3	1.3	
	(6) as specified under Group 2 on page 9011 of IMCO Code	6.1	UN 1930	Poison	I/II	1.3	1.3	
	(7) more than 5% by weight of corrosive substances in the liquid concentrate	8	UN 1930	Corrosive	III	1.3	1.3	
	(8) as specified under Group 2 on page 9011 of IMCO Code	9	UN 1930	None	-	-	-	
N	Aerosol dispensers, with a capacity of 1400 cubic cm. or more	2	UN 1930	None	-	-	-	
	Aerosols or aerosol product. See Aerosol dispensers							
	Agents, blasting, Type B. See Explosives, blasting, Type B							
	Agents, blasting, Type E. See Explosives, blasting, Type E							
	Air, compressed	2.2	UN 1002	Nonflammable Gas	-	1.2	1.2	
	Air, liquid	2.2	UN 6003	Nonflammable Gas, Oxidizer	-	1.3	1.3	Stow 'separated from' acetylene. Do not overflow
	Alarm devices, explosive	1.4 S	UN 0091	None. Package to be marked '1.4 S'	-	1.3	1.3	
	Alcohol, denatured	3.2	UN 1095	Flammable Liquid	II	1.2	1	
	Alcohol, industrial	3.3	UN 1095	Flammable Liquid	II	1.2	1.2	
	Alcohol, industrial	3.3	UN 1096	Flammable Liquid	II	1.2	1	
	Alcohol, industrial	3.3	UN 1096	Flammable Liquid	II	1.2	1.2	
	Alcohols, (non-toxic), n.o.s.	3.2	UN 1987	Flammable Liquid	II	1.2	1	
	Alcohols, (non-toxic), n.o.s.	3.3	UN 1987	Flammable Liquid	II	1.2	1	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Alcohols, (toxic), n.o.s.	3.2	UN 1986	Flammable Liquid, Poison	II	1.2	1	
		3.3	UN 1986	Flammable Liquid, Poison	II	1.2	1	
	Aldehydes, (non-toxic), n.o.s.	3.2	UN 1989	Flammable Liquid	II	1.2	1	
		3.3	UN 1989	Flammable Liquid	II	1.2	1.2	
	Aldehydes, (toxic), n.o.s.	3.2	UN 1988	Flammable Liquid, Poison	II	1.2	1	
		3.3	UN 1988	Flammable Liquid, Poison	II	1.2	1.2	
	Aldrin and its mixtures	6.1	UN 1542	Poison	II/III	1.2	1.2	
	Alkali metal amalgams, n.o.s.	4.3	UN 1389	Dangerous When Wet	I	1.2	1.2	
	Alkali metal oxides, n.o.s.	4.3	UN 1390	Dangerous When Wet	II	1.2	5	
	Alkali metal dispersions, n.o.s.	4.3	UN 1391	Dangerous When Wet	I	1.2	5	
	Alkali metals, liquid alloys of	4.3	UN 1421	Dangerous When Wet	I	1.2	5	
	Alkaline caustic liquids, n.o.s. See Caustic alkali liquids, n.o.s.							
	Alkaline corrosive liquids, n.o.s.	8	UN 1760	Corrosive	II	1.2	1.2	
	Alkaline earth metal amalgams, n.o.s.	4.3	UN 1382	Dangerous When Wet	I	1.2	1.2	
	Alkaloids, (poisonous), and their salts, n.o.s.	6.1	UN 1544	Poison	I/II	1.2	1.2	
		6.1	UN 1544	St. Andrews Cross	III	1.2	1.2	
	Alkylamines and polyamines, flashpoint below 23 deg. C and boiling point above 35 deg. C but not more than 200 deg. C, n.o.s.	8	UN 1899	Corrosive	II	1.2	1	
		3.2	UN 2733	Flammable Liquid, Corrosive	II	1.2	1	
		3.3	UN 2733	Flammable Liquid, Corrosive	II	1.2	1.2	
	Alloys of alkaline earth metals, (non-pyrophoric), n.o.s.	4.3	UN 1393	Dangerous When Wet	II	1.2	5	
	Allyl acetate	3.2	UN 2333	Flammable Liquid, Poison	II	1.3	5	Keep cool
	Allyl alcohol	3.2	UN 1098	Flammable Liquid, Poison	I	1.2	1	
	Allylamine	3.1	UN 2334	Flammable Liquid, Poison	I	1.3	5	Keep cool
	Allyl bromide	3.2	UN 3099	Flammable Liquid	I	1.2	1	
	Allyl chloride	3.1	UN 1180	Flammable Liquid, Poison	I	1.3	5	Keep cool
	Allyl chlorocarbonate. See Allyl chloroformate							
	Allyl chloroformate	8	UN 1722	Corrosive	I	1	5	Keep dry. Stow 'separated longitudinally by an intervening complete compartment or hold from' explosives
	Allyl ethyl ether	3.2	UN 2335	Flammable Liquid, Poison	II	1.3	5	Keep cool
	Allyl formate	3.2	UN 2336	Flammable Liquid, Poison	I	1.3	5	Keep cool
	Allyl glycidyl ether	3.3	UN 2219	Flammable Liquid	III	1.2	1.2	
	Allyl iodide	8	UN 1723	Corrosive	I	1	5	Keep dry
	Allyl isothiocyanate, stabilized	6.1	UN 1545	Poison	II	1	5	Shade from radiant heat
	Allyl trichlorosilane, stabilized	8	UN 1724	Corrosive	II	1	1	Keep dry. Stow 'separated longitudinally by an intervening complete compartment or hold from' explosives
	Aluminum alkylchlorides	4.2	UN 2003	Spontaneously Combustible	I	1	1	
	Aluminum alkyl halides, in solution	4.2	UN 2220	Spontaneously Combustible	II	1	1	
	Aluminum alkyl halides, pure	4.2	UN 2221	Spontaneously Combustible	I	1	1	
	Aluminum alkyls	4.2	UN 2003	Spontaneously Combustible	I	1	1	
	Aluminum bromide, (anhydrous or solutions)	8	UN 1725	Corrosive	II	1.2	1.2	Keep dry
	Aluminum carbide	4.3	UN 1394	Dangerous When Wet	II	1.2	1.2	
	Aluminum chloride, (anhydrous or solutions)	8	UN 1726	Corrosive	II	1.2	1.2	Keep dry
	Aluminum ferrosilicon, powder	4.3	UN 1395	Dangerous When Wet	II	1.2	1.2	
	Aluminum hydride	4.2	UN 2463	Spontaneously Combustible	I	1.2	5	
	Aluminum nitrate	5.1	UN 1438	Oxidizer	III	1.2	1.2	
	Aluminum phosphide	6.1	UN 1397	Poison, Dangerous When Wet	I	1.2	1.2	Stow 'away from' acids and oxidizing substances
	Aluminums, powder, coated	4.1	UN 1309	Flammable Solid	III	1.2	1.2	Keep dry. Stow 'away from' nonflammable gases and poisons
	Aluminums, powder, pyrophoric. See Pyrophoric metals							
	Aluminums, powder, uncoated, non-pyrophoric	4.3	UN 1396	Dangerous When Wet	II	1.2	1.2	Keep dry. Stow 'away from' nonflammable gases and poisons
	Aluminum silica, powder, uncoated	4.3	UN 1398	Dangerous When Wet	III	1.2	1.2	
	Aluminum tributyl	4.2	UN 2003	Spontaneously Combustible	I	1	1	
	Aluminum triethyl	4.2	UN 1302	Spontaneously Combustible	I	1	1	
	Aluminum trimethyl	4.2	UN 1303	Spontaneously Combustible	I	1	1	
	Aminophenols (o-, m-, p-)	6.1	UN 2312	St. Andrews Cross	III	1.2	1.2	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Name	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Ammonia, anhydrous, liquefied, and ammonia solutions below S.G. 0.88 at 15 degrees C. ammonia liquid and ammonia solutions in water containing over 30% of ammonia.	2.3	UN 1005	Poison Gas	-	1.2	5	Stow 'separated from' chlorine
	Ammonia, solutions below S.G. 0.88 at 15 degrees C. containing more than 35% and not above 50% ammonia.	2.2	UN 3073	Nonflammable Gas	-	1.2	5	Stow 'separated from' chlorine
	Ammonia solutions having a density (specific gravity) between 0.880 and 0.957 at 15 deg C. in water, containing more than 10% and not more than 35% by weight ammonia.	8	UN 2672	Corrosive	III	1.2	1.2	Stow 'away from' living quarters
	Ammonium arsenate	6.1	UN 1546	Poison	II	1.2	1.2	Stow 'away from' alkalis
	Ammonium bifluoride. See Ammonium hydrogen fluoride							
	Ammonium dichromate	5.1	UN 1439	Oxidizer	II	1.2	1.2	Stow 'away from' foodstuffs
	Ammonium dinitro-o-cresolate	9	UN 1843	None	II	1.2	1.2	Stow 'away from' heavy metals, 'separated from' flammable substances and 'separated longitudinally by an intervening complete compartment or hold from' explosives
	Ammonium fluoride	6.1	UN 2505	St. Andrews Cross	III	1.2	1.2	Stow 'away from' acids
	Ammonium hydrogen fluoride	8	UN 1727	Corrosive	II	1.2	1.2	Keep dry
	Ammonium metavanadate	6.1	UN 2859	Poison	II	1.2	1.2	
	Ammonium nitrate, containing more than 0.2% by weight of combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	1.1 D	UN 0222	Explosive (1.1D)	-	1.2	1.2	
	Ammonium nitrate, containing not more than 0.2% of combustible material (including organic material calculated as carbon) and free from any other added matter	5.1	UN 1942	Oxidizer	III	1.2	1.2	
	Ammonium nitrate fertilizers, consisting ammonium nitrate, n.o.s.	5.1	UN 2072	Oxidizer	III	1.2	1.2	
	Ammonium nitrate fertilizers, of the same composition as defined in class 5.1 on pages 5015 and 5016 of the IMCO Code but containing greater amounts of organic and/or combustible material than specified in these entries	1.1 D	UN 0223	Explosive (1.1D)	-	1.2	1.2	
	Ammonium nitrate fertilizers, Type A							
	(1) Uniform non-segregating mixtures of ammonium nitrate with added matter which is inorganic and chemically inert towards ammonium nitrate, containing not less than 90% of ammonium nitrate and not more than 0.2% of combustible material (including organic material calculated as carbon), or containing less than 90% but more than 70% of ammonium nitrate and not more than 0.4% of total combustible material	5.1	UN 2067	Oxidizer	III	1.2	1.2	
	(2) Uniform non-segregating mixtures of ammonium nitrate with calcium carbonate and/or dolomite, containing more than 80% but less than 90% of ammonium nitrate and not more than 0.4% of total combustible material	5.1	UN 2068	Oxidizer	III	1.2	1.2	
	(3) Uniform non-segregating mixtures of ammonium nitrate/ammonium sulphate, containing more than 45% but not more than 70% of ammonium nitrate and containing not more than 0.4% of total combustible material	5.1	UN 2069	Oxidizer	III	1.2	1.2	
	(4) Uniform non-segregating mixtures of nitrogen/phosphate or nitrogen/potash types or complete fertilizers of nitrogen/phosphate/potash type, containing more than 70% but less than 90% of ammonium nitrate and not more than 0.4% of total combustible material	5.1	UN 2070	Oxidizer	III	1.2	1.2	
	Ammonium nitrate fertilizers, Type B. Uniform non-segregating mixtures of nitrogen/phosphate or nitrogen/potash types or complete fertilizers of nitrogen/phosphate/potash type, containing not more than 70% of ammonium nitrate and not more than 0.4% of total added combustible material or containing not more than 45% of ammonium nitrate with unrestricted combustible material	9	UN 2071	None	III	1.2	1.2	
	Ammonium perchlorate	5.1	UN 1442	Oxidizer	II	1.2	5	Stow 'away from' powdered metals
	Ammonium perchlorate	5.1	UN 1444	Oxidizer	III	1.2	1.2	
N	Ammonium picrate, dry or containing, by weight, less than 10% water	1.1D	UN 0004	Explosive (1.1D)	-	-	-	
	Ammonium picrate, wetted with not less than 10% water	4.1	UN 1310	Flammable Solid	I	1	5	Stow 'away from' heavy metals
	Ammonium picrate, wetted with not less than 33% of water	4.1	UN 1310	Flammable Solid	I	1.2	5	Stow 'away from' heavy metals
	Ammonium polyvanadate	6.1	UN 2861	Poison	II	1.2	1.2	
	Ammonition, flammating, with or without burner, expelling charge or propelling charge	1.4 G	UN 0297	Explosive (1.4G)	-	1.3	1.3	
N	Ammonition, flammating, with or without burner, expelling charge or propelling charge	1.3G	UN 0171	Explosive (1.3G)	-	-	-	
N	Ammonition, flammating, with or without burner, expelling charge or propelling charge	1.3G	UN 0254	Explosive (1.3G)	-	-	-	
N	Ammonition, incendiary, liquid or gel, with burner, expelling charge or propelling charge	1.3J	UN 0247	Explosive (1.3J)	-	-	-	
	Ammonition, incendiary (other than water-activated ammonition), without white phosphorus or phosphides, with or without burner, expelling charge or propelling charge	1.4 G	UN 0300	Explosive (1.4G)	-	1.3	1.3	
N	Ammonition, incendiary (other than water-activated ammonition), without white phosphorus or phosphides, with or without burner, expelling charge or propelling charge	1.2G	UN 0009	Explosive (1.2G)	-	-	-	
N	Ammonition, incendiary (other than water-activated ammonition), without white phosphorus or phosphides, with or without burner, expelling charge or propelling charge	1.3G	UN 0010	Explosive (1.3G)	-	-	-	
N	Ammonition, incendiary, white phosphorus, with burner, expelling charge or propelling charge	1.2H	UN 0343	Explosive (1.2H)	-	-	-	
N	Ammonition, incendiary, white phosphorus, with burner, expelling charge or propelling charge	1.3H	UN 0344	Explosive (1.3H)	-	-	-	
	Ammonition, practice	1.4G	UN 0362	Explosive (1.4G)	-	1.3	1.3	
	Ammonition, proof	1.4G	UN 0363	Explosive (1.4G)	-	1.3	1.3	

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F72.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identi- fication Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
N	Ammonium, smoke (other than water-activated ammonium) with or without burner, expelling charge or propelling charge	1.2O	UN 0013	Explosive (1.2O), Corrosive	-	-	-	
N	Ammonium, smoke (other than water-activated ammonium) with or without burner, expelling charge or propelling charge	1.3O	UN 0016	Explosive (1.3O), Corrosive	-	-	-	
N	Ammonium, smoke (other than water-activated ammonium) with or without burner, expelling charge or propelling charge	1.4O	UN 0303	Explosive (1.4O), Corrosive	-	-	-	
N	Ammonium, smoke, white phosphorus (other than water-activated ammonium), with burner, expelling charge or propelling charge	1.2H	UN 0245	Explosive (1.2H)	-	-	-	
N	Ammonium, smoke, white phosphorus (other than water-activated ammonium), with burner, expelling charge or propelling charge	1.3H	UN 0246	Explosive (1.3H)	-	-	-	
	Ammonium, (tear producing), non-explosive, with neither burner nor expelling charge, non-fused	6.1	UN 2017	Poison	II	1.2	5	Keep dry
N	Ammonium, tear producing, with burner, expelling charge or propelling charge	1.2O	UN 0018	Explosive (1.2O), Poison, Corrosive	-	-	-	
N	Ammonium, tear producing, with burner, expelling charge or propelling charge	1.3O	UN 8019	Explosive (1.3O), Poison, Corrosive	-	-	-	
	Ammonium, tear-producing, with burner, expelling charge or propelling charge	1.4O	UN 4301	Explosive (1.4O), Poison, Corrosive	-	1.3	1.3	
	Ammonium, (toxic), non-explosive, with neither burner nor expelling charge, non-fused	6.1	UN 2016	Poison	II	1.2	5	Keep dry
N	Ammonium, toxic (other than water-activated ammonium) with burner, expelling charge or propelling charge	1.2K	UN 0020	Explosive (1.2K), Poison	-	-	-	
N	Ammonium, toxic (other than water-activated ammonium) with burner, expelling charge or propelling charge	1.3K	UN 0021	Explosive (1.3K), Poison	-	-	-	
	Ammonium	1.4B	UN 0022	Notes: Package to be marked 1.4 B	-	1.3	1.3	
	Amyl acetates	3.2	UN 1104	Flammable Liquid	II	1.2	1	
	Amyl alcohols	3.2	UN 1104	Flammable Liquid	II	1.2	1.2	
	Amyl amines	3.2	UN 1105	Flammable Liquid	II	1.2	1	
	Amyl chloride	3.2	UN 1105	Flammable Liquid	II	1.2	1.2	
	Amylamine	3.2	UN 1106	Flammable Liquid	II	1.2	1	
	Amyl chloride	3.2	UN 1107	Flammable Liquid	II	1.2	1	
	n-Amylone	3.1	UN 1108	Flammable Liquid	I	1.2	5	
	Amyl formates	3.3	UN 1109	Flammable Liquid	II	1.2	1.2	
	Amyl hydride. See Pentane							
	Amyl mercaptan	3.2	UN 1111	Flammable Liquid	II	1.2	1	
	Amyl methyl ketone	3.3	UN 1110	Flammable Liquid	III	1.2	1.2	
	Amyl nitrate	3.3	UN 1112	Flammable Liquid	II	1.3	5	
	Amyl nitrite	3.1	UN 1113	Flammable Liquid	II	1.2	5	Keep cool
	Amyl trichlorosilane	8	UN 1728	Corrosive	II	1	1	Keep dry. Stow separated longitudinally by an intervening complete compartment or hold from explosives
	Aniline	6.1	UN 1547	Poison	II	1.2	1.2	Stow away from acids and oxidizers
	Aniline hydrochloride	6.1	UN 1548	St. Andrews Cross	III	1.2	1.2	Stow away from alkalis
	Aniline oil. See Aniline							
	o-Anisidine	6.1	UN 2431	St. Andrews Cross	III	1.2	1.2	
	Anisole	3.3	UN 2222	Flammable Liquid	III	1.2	1.2	
	Anisoyl chloride	8	UN 1729	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on passenger vessels
	Anti-freeze. See Flammable liquid preparations, n.o.s.							
	Antimony chloride. See Antimony trichloride, liquid or solid							
	Antimony compounds, (inorganic), n.o.s.	6.1	UN 1549	Poison	I/II	1.2	1.2	
		6.1	UN 1549	St. Andrews Cross	III	1.2	1.2	
	Antimony lactate	6.1	UN 1550	St. Andrews Cross	III	1.2	1.2	
	Antimony pentachloride, liquid	8	UN 1730	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on passenger vessels
	Antimony pentachloride, solutions	8	UN 1731	Corrosive	II	1	1	Glass carboys prohibited on passenger vessels
	Antimony pentafluoride	8	UN 1732	Corrosive, Poison	II	1	5	Keep dry
	Antimony potassium tartrate	6.1	UN 1551	St. Andrews Cross	III	1.2	1.2	
	Antimony trichloride, liquid	8	UN 1733	Corrosive	II	1	1	Keep dry
	Antimony trichloride, solid	8	UN 1733	Corrosive	II	1.2	1.2	Keep dry
	Argon, compressed	2.2	UN 1006	Nonflammable Gas	-	1.3	1.3	
	Argon, liquid	2.2	UN 1951	Nonflammable Gas	-	1.3	1.3	
	Arsenic acid, liquid	6.1	UN 1553	Poison	I	1.2	1.2	
	Arsenic acid, solid	6.1	UN 1554	Poison	II	1.2	1.2	
	Arsenical dust	6.1	UN 1562	Poison	II	1.2	1.2	
	Arsenical flue dust. See Arsenical dust							
	Arsenic bromide	6.1	UN 1555	Poison	II	1.2	1.2	
	Arsenic chloride. See Arsenic trichloride							
	Arsenic compounds, (liquid), n.o.s.	6.1	UN 1556	Poison	I/II	1.2	1.2	
		6.1	UN 1556	St. Andrews Cross	III	1.2	1.2	
	Arsenic compounds, (solid), n.o.s.	6.1	UN 1557	Poison	I/II	1.2	1.2	Keep dry.
		6.1	UN 1557	St. Andrews Cross	III	1.2	1.2	Keep dry.
	Arsenic, metallic	6.1	UN 1558	Poison	II	1.2	1.2	
	Arsenic pentoxide	6.1	UN 1559	Poison	II	1.2	1.2	
	Arsenic sulphides, (solid), n.o.s. See Arsenic compounds, (solid), n.o.s.							
	Arsenic trichloride	6.1	UN 1560	Poison	I	1.2	1.2	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identi- fication Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a)	(b)	(c)
						Cargo vessel	Pass- enger vessel	Other requirements
	Arsenic trioxide	6.1	UN 1561	Poison	II	1,2	1,2	
	Arsine	2.3	UN 2188	Poison Gas, Flammable Gas	-	1	5	Stow 'away from' living quarters
	Articles, explosive, n.o.s.	1.4B	UN 0350	Explosive (1.4B)	-	1,3	1,3	
	Articles, explosive, n.o.s.	1.4C	UN 0351	Explosive (1.4C)	-	1,3	1,3	
	Articles, explosive, n.o.s.	1.4D	UN 0352	Explosive (1.4D)	-	1,3	1,3	
	Articles, explosive, n.o.s.	1.4G	UN 0353	Explosive (1.4G)	-	1,3	1,3	
	Articles, explosive, n.o.s.	1.4S	UN 0349	Nonm. Package to be marked "1.4S"	-	1,3	1,3	
N	Articles, explosive, n.o.s.	1.1L	UN 0354	Explosive (1.1L)	-	-	-	
N	Articles, explosive, n.o.s.	1.2L	UN 0355	Explosive (1.2L)	-	-	-	
N	Articles, explosive, n.o.s.	1.3L	UN 0356	Explosive (1.3L)	-	-	-	
N	Articles, pyrophoric	1.2L	UN 0380	Explosive (1.2L)	-	-	-	
	Asbestos, blue	9	UN 2212	None	II	1,2	1,2	
	Asbestos, white	9	UN 2590	None	III	1,2	1,2	
	Asphalt cut-backs. See Cut-backs, asphalt or bitumen							
	Bags, (empty and unwashed), having contained Potassium nitrate or sodium nitrate	4.1	UN 1359	Flammable Solid	III	1,2	5	
	Barium, alloys, non-pyrophoric	4.3	UN 1399	Dangerous When Wet	II	1,2	5	
	Barium alloys pyrophoric	4.2	UN 1854	Spontaneously Combustible	II	1	5	
	Barium azide, containing at least 50% water or alcohol	6.1	UN 1571	Poison	II	1,2	1,2	Stow 'away from' heavy metals
N	Barium azide, dry or containing, by weight, less than 50% water or alcohol	1.1A	UN 0224	Explosive (1.1A), Poison	-	-	-	
	Barium chlorate	5.1	UN 1445	Oxidizer, Poison	II	1,2	1,2	Stow 'away from' foodstuffs and powdered metals, 'separated from' Ammonium com- pounds
	Barium compounds, n.o.s.	6.1	UN 1564	Poison	I/II	1,2	1,2	
	Barium cyanide	6.1	UN 1565	Poison	III	1,2	1,2	Stow 'away from' acids
	Barium, metal, non-pyrophoric	4.3	UN 1400	Dangerous When Wet	II	1,2	5	
	Barium nitrate	5.1	UN 1446	Oxidizer, Poison	II	1,2	1,2	Stow 'away from' foodstuffs
	Barium oxide	6.1	UN 1884	Poison	III	1,2	1,2	
	Barium perchlorate	5.1	UN 1447	Oxidizer, Poison	II	1,2	1,2	Stow 'away from' powdered metals and foodstuffs
	Barium permanganate	5.1	UN 1448	Oxidizer, Poison	II	1,2	1,2	Stow 'away from' foodstuffs and 'separated from' ammonium compounds and hydro- gen peroxide
	Barium peroxide	5.1	UN 1449	Oxidizer, Poison	II	1,2	1,2	Keep dry. Stow 'away from' foodstuffs
	Batteries, electric, storage, wet or filled	8	UN 1734	Corrosive	III	1,2	1,2	
	Battery fluid, acid	8	UN 1735	Corrosive	II	1,2	1,2	Glass carboys in hampers prohibited under deck
	Battery fluid, alkaline corrosive	8	UN 1735	Corrosive	II	1,2	1,2	
	Battery fluid, alkaline corrosive, with storage battery	8	UN 1735	Corrosive	II	1,2	1,2	
	Benzaldehyde	3.3	UN 1990	Flammable Liquid	III	1,2	1,2	
	Benzene	3.2	UN 1114	Flammable Liquid	II	1,2	1	
	Benzene sulphonyl chloride	6.1	UN 2225	Poison	III	1,2	1,2	Stow 'away from' acids and alkalis
	Benzidine	6.1	UN 1885	Poison	II	1,2	1,2	
	Benzine	3.1	UN 1115	Flammable Liquid	II	1,2	5	
		3.2	UN 1115	Flammable Liquid	II	1,2	1	
		3.3	UN 1115	Flammable Liquid	II	1,2	1,2	
	Benzonitrile	6.1	UN 2224	Poison	II	1,2	1,2	Stow 'away from' acids
	Benzotrifluoride	8	UN 2226	Corrosive	II	1,2	1,2	Stow 'away from' living quarters
	Benzotrifluoride	3.2	UN 2338	Flammable Liquid	II	1,2	1	
	Benzoyl chloride	8	UN 1736	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on pas- senger vessels
	Benzoyl peroxide, in a concentration of more than 80% but less than 95% with water	5.2	UN 2088	Organic Peroxide	I	1	5	
	Benzoyl peroxide, in a concentration of more than 72% but less than 95% as a paste	5.2	UN 2086	Organic Peroxide	I	1	5	
	Benzoyl peroxide, in a concentration of not more than 72% as a paste	5.2	UN 2087	Organic Peroxide	II	1	5	
	Benzoyl peroxide, in a concentration of not more than 55% as a paste	5.2	UN 2087	Organic Peroxide	II	1	5	
	Benzoyl peroxide, in a concentration of not more than 80% with water	5.2	UN 2090	Organic Peroxide	II	1	5	
	Benzoyl peroxide, in concentrations from 30% to maximum 52% with inert solid	5.2	UN 2089	Organic Peroxide	II	1	5	
	Benzoyl peroxide, technical pure or in a concentration of more than 52% with inert solid	5.2	UN 2085	Organic Peroxide	I	1	5	
	Benzyl bromide	8	UN 1737	Corrosive	II	1	5	Keep dry
	Benzyl chloride	8	UN 1738	Corrosive	II	1	5	Keep dry. Stow 'separated longitudinally by an intervening complete compartment or hold from' explosives
	Benzyl chloroformate	8	UN 1739	Corrosive	I	1	5	Keep dry
	Benzyl cyanide, liquid	6.1	UN 2470	Poison	III	1,2	1,2	Stow 'away from' acids
	Benzyl dimethylamine	1.3	UN 2619	Flammable Liquid	III	1,2	1,2	
	Benzylidene chloride	6.1	UN 1886	Poison	II	1	5	
	Beryllium compounds	6.1	UN 1566	Poison	II	1,2	1,2	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Name	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Beryllium, metal powder	6.1	UN 1567	Poison, Flammable Solid	II	1.2	1.2	Segregation same as for flammable solids
	Beryllium nitrate	5.1	UN 2464	Oxidizer, Poison	II	1.2	1.2	Keep cool. If packaged in a barrel within a wooden barrel, steel drum or plywood drum or in plastic bag within a fiberboard box, stow 'away from' sources of heat
	Bismuth	4.1	UN 1227	Toxic	III	1.2	1.2	Stow 'away from' oxidant or vegetable oils
	Bisfluorides, n.o.s.	8	UN 1289	Corrosive	II	1.2	1.2	Keep dry
	Bis-(4-tert-butyl cyclohexyl) perdicarbonate, technical pure	5.2	UN 2236	Organic Peroxide	II	1	5	Maximum transport temperature 30 deg C
	2,2-Bis-(tert-butylperoxy) butane, maximum concentration 55% in solution	5.2	UN 2241	Organic Peroxide	II	1	5	
	1,1-Bis-(tert-butylperoxy) cyclohexane, maximum concentration 77% in solution	5.2	UN 2280	Organic Peroxide	II	1	5	
	1,2-Bis-(tert-butylperoxy) cyclohexane, maximum concentration 77% in solution	5.2	UN 2281	Organic Peroxide	II	1	5	
	1,1-Bis-(tert-butylperoxy) cyclohexane, technical pure	5.2	UN 2679	Organic Peroxide	II	1	5	
	1,4-Bis-(2-tert-butylperoxy isopropyl) benzene, or 1,3-bis-(2-tert-butylperoxy isopropyl) benzene, and mixtures thereof, (including technical pure or in a concentration of more than 40% with inert solid)	5.2	UN 2112	Organic Peroxide	II	1	5	
	1,1-Bis-(tert-butylperoxy)-3,3,5-trimethyl cyclohexane, technical pure	5.2	UN 2245	Organic Peroxide	II	1	5	
	1,1-Bis-(tert-butylperoxy)-3,3,5-trimethyl cyclohexane, maximum concentration 57% in solvent	5.2	UN 2246	Organic Peroxide	II	1	5	
	1,1-Bis-(tert-butylperoxy)-3,3,5-trimethyl cyclohexane, maximum concentration 58% with inert solid	5.2	UN 2247	Organic Peroxide	II	1	5	
	2,2-Bis-(4,4-di-tert-butylperoxy cyclohexyl) propane, maximum concentration 42% with inert solid	5.2	UN 2548	Organic Peroxide	II	1	5	
	Bis-(1-hydroxy cyclohexyl) peroxide, technical pure	5.2	UN 2148	Organic Peroxide	II	1	5	
	Bis-(2-methylbenzoyl)peroxide, with at least 15% water	5.2	UN 2293	Organic Peroxide	I	1	5	Maximum transport temperature 30 deg C
	Bis-(1,5,5-trimethyl-1,2-dioxolanyl-3)peroxide, as a paste with at least 50% polyglycol	5.2	UN 2297	Organic Peroxide	II	1	5	Maximum transport temperature 30 deg C
N	Black powder, compressed	1.1D	UN 0028	Explosive (1.1D)	-	-	-	
N	Black powder, granular or as meal	1.1D	UN 0027	Explosive (1.1D)	-	-	-	
	Blasting cap assemblies, non-electric	1.4B	UN 0261	Explosive (1.4B)	-	1.3	1.3	
N	Blasting cap assemblies, non-electric	1.1B	UN 0260	Explosive (1.1B)	-	-	-	
	Blasting caps, electric	1.4 B	UN 0253	Explosive (1.4B)	-	1.2	5	Portable magazine or metal locker. Do not handle blasting caps with any high explosive. Do not handle blasting caps at the same time high explosives are being loaded
N	Blasting caps, electric	1.1B	UN 0030	Explosive (1.1B)	-	-	-	
	Blasting caps, non-electric	1.4 B	UN 0267	Explosive (1.4B)	-	1.2	5	Portable magazine or metal locker. Do not handle blasting caps with any high explosive. Do not handle blasting caps at the same time high explosives are being loaded
N	Blasting caps, non-electric	1.1B	UN 0029	Explosive (1.1B)	-	-	-	
	Bleaching powder. See Calcium hypochlorite mixtures, dry, containing 39% or less, but more than 10% available chlorine							
	Blue asbestos. See Asbestos, blue							
N	Bombs, photo-flash	1.1D	UN 0098	Explosive (1.1D)	-	-	-	
N	Bombs, photo-flash	1.1F	UN 0037	Explosive (1.1F)	-	-	-	
N	Bombs, photo-flash	1.2C	UN 0039	Explosive (1.2C)	-	-	-	
N	Bombs, photo-flash	1.3G	UN 0099	Explosive (1.3G)	-	-	-	
	Bombs, smoke, containing a corrosive liquid, non-explosive, without initiating device	8	UN 2538	Corrosive	II	1.2	5	Keep dry. Stow 'away from' living quarters
N	Bombs, with bursting charge	1.1D	UN 0034	Explosive (1.1D)	-	-	-	
N	Bombs, with bursting charge	1.2D	UN 0035	Explosive (1.2D)	-	-	-	
N	Bombs, with bursting charge	1.1F	UN 0033	Explosive (1.1F)	-	-	-	
N	Bombs, with bursting charge	1.2F	UN 0291	Explosive (1.2F)	-	-	-	
N	Boosters, with detonator	1.1B	UN 0223	Explosive (1.1B)	-	-	-	
N	Boosters, with detonator	1.2B	UN 0248	Explosive (1.2B)	-	-	-	
N	Boosters, without detonator	1.1D	UN 0042	Explosive (1.1D)	-	-	-	
N	Boosters, without detonator	1.2D	UN 0283	Explosive (1.2D)	-	-	-	
	Borate and chlorate, mixtures	5.1	UN 1458	Oxidizer	II	1.2	5	Stow 'away from' powdered metals and 'separated from' ammonium compounds
	Borax arsenites, liquid	6.1	UN 2568	Poison	I	1.2	1.2	
	Borax arsenites, solid	6.1	UN 1568	Poison	II	1.2	1.2	
	Bornesol	4.1	UN 1312	Toxic. Package to be marked "Class 4.1"	III	1.2	1.2	
	Boron trichloride	2.3	UN 1741	Poison Gas, Corrosive	-	1	5	Shade from radiant heat. Stow 'away from' foodstuffs and living quarters
	Boron trifluoride	2.3	UN 1008	Poison Gas	-	1	5	Stow 'away from' foodstuffs and living quarters
	Boron trifluoride acetic acid complex	8	UN 1742	Corrosive	II	1.2	1.2	
	Boron trifluoride diethyl etherate	8	UN 2604	Corrosive	II	1.2	1	Segregation same as for flammable liquids
	Boron trifluoride propionic acid complex	8	UN 1743	Corrosive	II	1.2	1.2	
	Bos toe gum. See Nitrocellulose							
	Brake fluid, hydraulic	3.2	UN 1118	Flammable Liquid	II	1.2	1	
	Bromates, (inorganic), n.o.s.	5.1	UN 1450	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals and 'separated from' ammonium compounds
	Bromine, (and solutions)	8	UN 1744	Corrosive, Poison	I	1	5	Keep cool

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identi- fication Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a)	(b)	(c)
						Cargo vessel	Pass- enger vessel	Other requirements
	Bromine pentafluoride	8	UN 1745	Corrosive, Poison, Oxidizer	I	1	5	Shade from radiant heat. Stow 'away from' all other corrosives
	Bromine trifluoride	8	UN 1746	Corrosive, Poison	I	1	5	Shade from radiant heat
	Bromoacetic acid, <i>solid</i>	8	UN 1938	Corrosive	II	1.2	1.2	Keep dry
	Bromoacetic acid, <i>solution</i>	8	UN 1938	Corrosive	II	1.2	1.2	Glass carboys in hampers not permitted under deck
	Bromoacetone	6.1	UN 1569	Poison	II	1	5	Segregation same as for flammable liquids
	Bromoacetyl bromide	6	UN 2513	Corrosive	II	1	1	Glass carboys prohibited on passenger vessels
	Bromobenzene	2.3	UN 2514	Flammable Liquid	III	1.2	1.2	
	Bromobenzyl cyanide	6.1	UN 1694	Poison	I	1	5	Keep cool
	2-Bromobutane	3.2	UN 2339	Flammable Liquid	II	1.2	1.2	
	Bromochloromethane	9	UN 1847	None	III	1.2	1.2	Stow 'away from' foodstuffs
	1-Bromo-2,3-epoxypropane	6.1	UN 2538	Poison	I	1	5	
	2-Bromoethyl ethyl ether	3.2	UN 2340	Flammable Liquid	II	1.2	1	
	Bromoform	6.1	UN 2543	St. Andrews Cross	III	1.2	1.2	
	1-Bromo-3-ethylbutane	3.2	UN 2341	Flammable Liquid	II	1.2	1	
	Bromomethylpropanes	3.2	UN 2342	Flammable Liquid	II	1.2	1	
	Bromomethylpropanes	3.3	UN 2342	Flammable Liquid	II	1.2	1.2	
	2-Bromopentane	3.2	UN 2343	Flammable Liquid	II	1.2	1	
	Bromopropanes	3.2	UN 2344	Flammable Liquid	II	1.2	1	
	Bromopropanes	3.3	UN 2344	Flammable Liquid	II	1.2	1.2	
	3-Bromopropyne	3.2	UN 2345	Flammable Liquid	II	1.2	1	
	Bromotrifluoromethane	2.2	UN 1009	Nonflammable Gas	-	1.2	1.2	
	Brucine	6.1	UN 1570	Poison	II	1.2	1.2	
N	Burners, explosive	1.1D	UN 0043	Explosive (1.1D)	-	-	-	
	Butadiene, <i>inhibited</i>	2.1	UN 1010	Flammable Gas	-	1.2	1	Stow 'away from' living quarters
	Butanedione	3.2	UN 2346	Flammable Liquid	II	1.2	1	
	Butane or butane mixtures	2.1	UN 1011	Flammable Gas	-	1.2	1	Stow 'away from' living quarters
	Butane-1-thiol	3.2	UN 2347	Flammable Liquid	II	1.2	1	
	sec-Butanol	3.3	UN 1121	Flammable Liquid	II	1.2	1.2	
	tert-Butanol	3.2	UN 1122	Flammable Liquid	II	1.2	1	
	Butanol	3.3	UN 1120	Flammable Liquid	II	1.2	1.2	
	Butoxyl	3.3	UN 2708	Flammable Liquid	III	1.2	1.2	
	sec-Butyl acetate	3.2	UN 1124	Flammable Liquid	II	1.2	1	
	n-Butyl acetate	3.2	UN 1123	Flammable Liquid	II	1.2	1	
	Butylacrylate, <i>inhibited</i>	3.3	UN 2348	Flammable Liquid	II	1.2	1.2	
	Butyl alcohol. See Butanol							
	sec-Butyl alcohol. See sec-Butanol							
	tert-Butyl alcohol. See tert-Butanol							
	n-Butylamine	3.2	UN 1125	Flammable Liquid	II	1.2	1	
	Butyl benzenes	3.3	UN 2709	Flammable Liquid	III	1.2	1.2	
	n-Butyl 4,4-bis-(tert-butyl-peroxy) valerate, maximum concentration 52% with inert solid	5.2	UN 2444	Organic Peroxide	II	1	5	
	n-Butyl 4,4-bis-(tert-butyl-peroxy) valerate, technical pure	5.2	UN 2140	Organic Peroxide	II	1	5	
	n-Butyl bromide	3.3	UN 1126	Flammable Liquid	II	1.2	1.2	
	n-Butyl chloride	3.3	UN 1127	Flammable Liquid	II	1.2	1	
	tert-Butyl cumene peroxide. See tert-Butyl cumyl peroxide							
	tert-Butyl cumyl peroxide, technical pure	5.2	UN 2091	Organic Peroxide	II	1	5	
	tert-Butyl diperoxyphthalate. See tert-Butyl diperphthalate							
	tert-Butyl diperphthalate, maximum concentration 55% as a paste	5.2	UN 2108	Organic Peroxide	II	1	5	
	tert-Butyl diperphthalate, maximum concentration 55% in solution	5.2	UN 2109	Organic Peroxide	II	1	5	
	tert-Butyl diperphthalate, technical pure	5.2	UN 2106	Organic Peroxide	II	1	5	
	Butylene	2.1	UN 1012	Flammable Gas	-	1.2	1	Stow 'away from' living quarters
	Butyl ether. See Dibutyl ethers							
	n-Butyl formate	3.2	UN 1128	Flammable Liquid	II	1.2	1	
	tert-Butyl hydroperoxide, in a concentration over 72% to maximum 90% with water	5.2	UN 2094	Organic Peroxide	I	1	5	
	tert-Butyl hydroperoxide, maximum concentration 90% in di-tert- butyl peroxide and/or solvent	5.2	UN 2092	Organic Peroxide, Flammable Liquid (only if flashpoint of solvent is 23 deg C. or below)	I	1	5	
	tert-Butyl hydroperoxide, maximum concentration 72% with water	5.2	UN 2093	Organic Peroxide	II	1	5	
	tert-Butyl isocyanate	3.2	UN 2484	Flammable Liquid, Poison	I	1	5	Keep cool. Stow 'away from' living quarters and sources of heat
	n-Butyl isocyanate	3.2	UN 2485	Flammable Liquid, Poison	II	1	5	Keep cool. Stow 'away from' living quarters and sources of heat
	n-Butyl methacrylate	3.3	UN 2227	Flammable Liquid	III	1.2	1.2	
	Butyl methyl ether	3.2	UN 2350	Flammable Liquid	II	1.2	1	
	tert-Butyl monoperoxyphthalate. See tert-Butyl monoperoxophthalate							
	tert-Butyl monoperoxophthalate, technical pure	5.2	UN 2085	Organic Peroxide	II	1	5	
	Butyl nitrate	3.2	UN 2091	Flammable Liquid	II	1.2	1	
	tert-Butyl peracetate, in a concentration of more than 52% to a maximum concentration of 76% in solution	5.2	UN 2095	Organic Peroxide	II	1	5	
	tert-Butyl peracetate, maximum concentration 52% in solution	5.2	UN 2096	Organic Peroxide	II	1	5	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identi- fication Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	tert-Butyl perbenzoate, maximum concentration 73% in solution	5.2	UN 2098	Organic Peroxide	II	1	5	
	tert-Butyl perbenzoate, technical pure or in a concentration of more than 73% in solution	5.2	UN 2097	Organic Peroxide	II	1	5	
	tert-Butyl percrotonate, maximum concentration 76% in solution	5.2	UN 2183	Organic Peroxide	II	1	5	
	n-Butyl perdicarbonate, in a concentration of more than 27% to a maximum concentration of 52% in solution	5.2	UN 2169	Organic Peroxide	II	1	5	Maximum transport temperature -10 deg C
	n-Butyl perdicarbonate, maximum concentration 27% in solution	5.2	UN 2170	Organic Peroxide	II	1	5	Maximum transport temperature 0 deg C
	tert-Butyl perdiethylacetate, (in a maximum concentration of 33%), with tert-butyl perbenzoate, (in a maximum concentration of 33%), and solvent	5.2	UN 2551	Organic Peroxide	II	1	5	
	tert-Butyl perdiethylacetate, technical pure	5.2	UN 2144	Organic Peroxide	II	1	5	
	tert-Butyl per-(2-ethyl) hexanoate, technical pure	5.2	UN 2143	Organic Peroxide	II	1	5	Maximum transport temperature 20 deg C
	tert-Butyl perisobutyrate, in a concentration of more than 52% to a maximum concentration of 77% in solution	5.2	UN 2142	Organic Peroxide	II	1	5	Maximum transport temperature 15 deg C
	tert-Butyl perisobutyrate, maximum concentration 52% in solution	5.2	UN 2562	Organic Peroxide	II	1	5	Maximum transport temperature 15 deg C
	tert-Butyl permaleate, maximum concentration 55% as a paste	5.2	UN 2101	Organic Peroxide	II	1	5	
	tert-Butyl permaleate, maximum concentration 55% in solution	5.2	UN 2100	Organic Peroxide	II	1	5	
	tert-Butyl permaleate, technical pure	5.2	UN 2099	Organic Peroxide	II	1	5	
	tert-Butyl per-neodecanoate, maximum concentration 77% in solution	5.2	UN 2177	Organic Peroxide	II	1	5	Maximum transport temperature 5 deg C
	tert-Butyl perneodecanoate, technical pure	5.2	UN 2594	Organic Peroxide	II	1	5	Maximum transport temperature -5 deg C
	tert-Butyl peroxide, technical pure	5.2	UN 2102	Organic Peroxide, Flammable Liquid	II	1	5	
	tert-Butyl peroxyacetate. See tert-Butyl peracetate							
	tert-Butyl peroxybenzoate. See tert-Butyl perbenzoate							
	tert-Butyl peroxycrotonate. See tert-Butyl percrotonate							
	n-Butyl peroxydicarbonate. See n-Butyl perdicarbonate							
	tert-Butyl peroxydiethylacetate. See tert-Butyl perdiethylacetate							
	tert-Butyl peroxydiethylacetate with tert-butyl peroxybenzoate. See tert-Butyl perdiethylacetate with tert-butyl perbenzoate							
	tert-Butyl peroxy-(2-ethyl) hexanoate. See tert-Butyl per-(2-ethyl) hexanoate							
	tert-Butyl peroxyisobutyrate. See tert-Butyl perisobutyrate							
	tert-Butyl peroxy isopropyl carbonate, technical pure	5.2	UN 2103	Organic Peroxide	II	1	5	
	tert-Butyl peroxyneodecanoate. See tert-Butyl per-neodecanoate							
	3-tert-Butylperoxy-3-phenyl phthalide, technical pure	5.2	UN 2596	Organic Peroxide	II	1	5	
	tert-Butyl peroxyvalerate. See tert-Butyl perpivalate							
	tert-Butyl peroxy-3,5,5-trimethyl hexanoate, technical pure	5.2	UN 2104	Organic Peroxide	II	1	5	
	tert-Butyl perpivalate, maximum concentration 77% in solution	5.2	UN 2110	Organic Peroxide	II	1	5	Maximum transport temperature 0 deg C
	Butylphenols, liquid	6.1	UN 2228	St. Andrews Cross	III	1.2	1.2	
	Butylphenols, solid	6.1	UN 2229	St. Andrews Cross	III	1.2	1.2	
	Butyl phosphoric acid. See Acid butyl phosphate							
	Butyl propionate	3.3	UN 1914	Flammable Liquid	II	1.2	1.2	
	Butyl trichloroacetate	8	UN 1747	Corrosive	II	1	1	Keep dry. Stow 'separated longitudinally by an intervening complete compartment or hold from' explosives
	Butyl vinyl ether	3.2	UN 2352	Flammable Liquid	II	1.2	1	
	Butyraldehyde	3.2	UN 1129	Flammable Liquid	II	1.2	1	
	Butyrene	3.3	UN 2710	Flammable Liquid	III	1.2	1.2	
	Butyronitrile	3.2	UN 2411	Flammable Liquid, Poison	II	1.3	5	Keep cool
	Butyryl chloride	3.2	UN 2353	Flammable Liquid, Poison	II	1	1	Keep dry. Shade from radiant heat
	Cacodylic acid	6.1	UN 1572	Poison	II	1.2	5	Stow 'away from' acids
	Cadmium compounds	6.1	UN 2570	St. Andrews Cross	III	1.2	1.2	
	Cacium, metal	4.3	UN 1407	Dangerous When Wet	I	1.2	5	
	Cacium nitrate	5.1	UN 1451	Oxidizer	III	1.2	1.2	
	Cacium, powdered. See Pyrophoric metals							
	Calcium arsenate	6.1	UN 1573	Poison	II	1.2	1.2	
	Calcium arsenate and arsenite, solid mixtures	6.1	UN 1574	Poison	II	1.2	1.2	
	Calcium bisulphite, solution. See Calcium hydrogen sulphite, solution							
	Calcium carbide	4.3	UN 1402	Dangerous When Wet	II	1.2	1.2	Stow 'away from' copper, its alloys and its salts
	Calcium chlorate	5.1	UN 1452	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals and 'separated from' ammonium compounds
	Calcium chlorate, aqueous solution	5.1	UN 2429	Oxidizer	II	1.2	1	Stow 'away from' powdered metals and 'separated from' ammonium compounds
	Calcium chlorite	5.1	UN 1453	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals and cyanides, 'separated from' ammonium compounds
	Calcium cyanamide, containing more than 0.1% of calcium carbide	4.3	UN 1403	Dangerous When Wet	III	1.2	1.2	
	Calcium cyanide	6.1	UN 1575	Poison	I	1.2	1.2	Stow 'away from' acids
	Calcium dithionite	4.2	UN 1923	Spontaneously Combustible	III	1.2	5	Keep dry
	Calcium hydride	4.3	UN 1404	Dangerous When Wet	I	1.2	5	
	Calcium hydrogen sulphate, solution	8	UN 1901	Corrosive	II	1.2	1.2	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Name	(3) IMCO Class	(4) Identi- fication Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Calcium hypochlorite, dry, including mixtures containing more than 39% available chlorine (3.8% available oxygen)	5.1	UN 1743	Oxidizer	II	1.2	1.2	
	Calcium hypochlorite mixtures, dry containing 39% or less, but more than 10% available chlorine	9	UN 2208	None	III	1.2	1.2	Stow 'separated from' flammable liquids and acids, 'away from' combustible materials
	Calcium, metal and alloys, non-pyrophoric	4.3	UN 1401	Dangerous When Wet	II	1.2	5	
	Calcium nitrate	5.1	UN 1454	Oxidizer	III	1.2	1.2	
	Calcium perchlorate	5.1	UN 1455	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals
	Calcium permanganate	5.1	UN 1456	Oxidizer	II	1.2	1.2	Stow 'separated from' ammonium compounds and hydrogen peroxide
	Calcium peroxide	5.1	UN 1457	Oxidizer	II	1.2	1.2	Keep dry
	Calcium phosphide	4.3	UN 1360	Dangerous When Wet	I	1	5	
	Calcium, powdered	4.2	UN 1355	Spontaneously Combustible	II	1	5	
	Calcium resinate, fused	4.1	UN 1314	Flammable Solid	III	1.2	1.2	
	Calcium resinate, technical pure	4.1	UN 1313	Flammable Solid	III	1.2	1.2	
	Calcium silicide	4.3	UN 1405	Dangerous When Wet	II	1.2	1.2	
	Calcium silicon	4.3	UN 1406	Dangerous When Wet	III	1.2	1.2	
	Camphor oil	2.3	UN 1190	Flammable Liquid	III	1.3	1.3	
	Capryloyl peroxide. See n-Octanoyl peroxide							
	Caps, blasting. See Blasting caps							
	Caps, percussion	1.4 S	UN 0044	None. Package to be marked 'L.S.'	-	1.3	1.3	
	Caps, toy. See Amorce							
	Carbolic acid. See Phenol							
	Carbon, activated	4.2	UN 1362	Spontaneously Combustible	III	1.3	1.3	Keep cool
	Carbon bisulphide. See Carbon disulphide							
	Carbon dioxide	2.2	UN 1013	Nonflammable Gas	-	1.2	1.2	
	Carbon dioxide and nitrous oxide, mixtures	2.2	UN 1015	Nonflammable Gas	-	1.2	1.2	
	Carbon dioxide and oxygen, mixtures	2.2	UN 1014	Nonflammable Gas	-	1.2	1.2	
	Carbon disulphide	3.1	UN 1131	Flammable Liquid, Poison	I	1	5	Keep cool. Not permitted on any vessel carrying explosives
	Carbon monoxide	2.1	UN 1016	Flammable Gas, Poison Gas	-	1	5	Stow 'away from' living quarters
	Carbon, non-activated, of animal or vegetable origin	4.2	UN 1361	Spontaneously Combustible	III	1.3	1.3	Keep cool. Stow 'away from' oily matter
	Carbon paper. See Paper, treated with unsaturated oils, incompletely dried							
	Carbon remover, liquid	3.2	UN 1132	Flammable Liquid	II	1.2	1	
	Carbon sulphide. See Carbon disulphide							
	Carbon tetrabromide	6.1	UN 2516	St. Andrews Cross	III	1.2	1.2	Shade from radiant heat
	Carbon tetrachloride	6.1	UN 1846	Poison	II	1.2	1.2	
	Carbonyl chloride. See Phosgene							
	Carbonyl fluoride	2.3	UN 2417	Poison Gas	-	1	5	Stow 'away from' living quarters
	Carbonyl sulfide	2.3	UN 2204	Poison Gas, Flammable Gas	-	1	5	Stow 'away from' living quarters
N	Cartonage	2.1	UN 2887	Flammable Gas	-			
	Cartridge cases, empty, with primer. See Cases, cartridges, empty, with primer							
N	Cartridges, flash	1.1G	UN 0049	Explosive (1.1G)	-	-	-	
N	Cartridges, flash	1.3G	UN 0050	Explosive (1.3G)	-	-	-	
N	Cartridges for weapons, blank	1.4 C	UN 0306	Explosive (1.4C)	-	1.3	1.3	
N	Cartridges for weapons, blank	1.4 S	UN 0014	None. Package to be marked 'L.S.'	-	1.3	1.3	
N	Cartridges for weapons, blank	1.1C	UN 0326	Explosive (1.1C)	-	-	-	
N	Cartridges for weapons, blank	1.3C	UN 0327	Explosive (1.3C)	-	-	-	
N	Cartridges for weapons, other than blank	1.4 S	UN 0012	None. Package to be marked 'L.S.'	-	1.3	1.3	
N	Cartridges for weapons, with bursting charge	1.1E	UN 0005	Explosive (1.1E)	-	-	-	
N	Cartridges for weapons, with bursting charge	1.2E	UN 0321	Explosive (1.2E)	-	-	-	
N	Cartridges for weapons, with bursting charge	1.1F	UN 0005	Explosive (1.1F)	-	-	-	
N	Cartridges for weapons, with bursting charge	1.2F	UN 0007	Explosive (1.2F)	-	-	-	
N	Cartridges for weapons, with bursting charge	1.4F	UN 0348	Explosive (1.4F)	-	-	-	
N	Cartridges for weapons, with inert projectile	1.4 C	UN 0339	Explosive (1.4C)	-	1.3	1.3	
N	Cartridges for weapons, with inert projectile	1.2C	UN 0328	Explosive (1.2C)	-	-	-	
N	Cartridges, oil well	1.4 C	UN 0278	Explosive (1.4C)	-	1.3	1.3	
N	Cartridges, oil well	1.3C	UN 0277	Explosive (1.3C)	-	-	-	
N	Cartridges, power device	1.4 C	UN 0276	Explosive (1.4C)	-	1.3	1.3	
N	Cartridges, power device	1.4 S	UN 0323	None. Package to be marked 'L.S.'	-	1.3	1.3	
N	Cartridges, power device	1.2C	UN 0381	Explosive (1.2C)	-	-	-	
N	Cartridges, power device	1.3C	UN 0275	Explosive (1.3C)	-	-	-	
N	Cartridges, signal	1.4 O	UN 0312	Explosive (1.4O)	-	1.3	1.3	
N	Cartridges, signal	1.3O	UN 0054	Explosive (1.3O)	-	-	-	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Cases, cartridge, empty, with primer	1.4C	UN 0379	Explosive (1.4C)	-	1.3	1.3	
	Cases, cartridges, empty, with primer	1.4 S	UN 0055	None. Package to be marked "1.4 S"	-	1.3	1.3	
	Coalhead gasoline	3.1	UN 1257	Flammable Liquid	II	1.2	5	
	Caustic alkali liquids, n.o.s.	8	UN 1719	Corrosive	II	1.2	1.2	
	Caustic potash. See Potassium hydroxide, solution							
	Caustic potash, solid. See Potassium hydroxide, solid							
	Celluloid, in blocks, rods, rolls, sheets, tubes, etc. (except excluded)	4.1	UN 2000	Flammable Solid	III	1.2	1.2	
	Celluloid, scrap	4.2	UN 2002	Spontaneously Combustible	II	1	5	
	Concrete, adhesive, (containing a flammable liquid), n.o.s.	3.2	UN 1133	Flammable Liquid	II	1.2	1	
		3.3	UN 1133	Flammable Liquid	II	1.2	1.2	
	Concrete, (liquid), n.o.s. See Concrete, adhesive, (containing a flammable liquid), n.o.s.							
	Charcoal, activated. See Carbon, activated							
	Charcoal, non-activated, of animal or vegetable origin. See Carbon, non-activated							
N	Charges, demolition	1.1D	UN 0048	Explosive (1.1D)	-	-	-	
N	Charges, depth	1.1D	UN 0056	Explosive (1.1D)	-	-	-	
N	Charges, propelling, for cannon	1.1C	UN 0279	Explosive (1.1C)	-	-	-	
N	Charges, propelling, for cannon	1.3C	UN 0242	Explosive (1.3C)	-	-	-	
N	Charges, propelling, for rocket motors	1.1C	UN 0271	Explosive (1.1C)	-	-	-	
N	Charges, propelling, for rocket motors	1.3C	UN 0272	Explosive (1.3C)	-	-	-	
N	Charges, propelling, for rocket motors, composite mixture	1.1C	UN 0273	Explosive (1.1C)	-	-	-	
N	Charges, propelling, for rocket motors, composite mixture	1.3C	UN 0274	Explosive (1.3C)	-	-	-	
N	Charges, shaped, commercial, without diameter	1.1D	UN 0029	Explosive (1.1D)	-	-	-	
N	Charges, shaped, flexible, linear, metal clad	1.4 D	UN 0237	Explosive (1.4D)	-	1.3	1.3	
N	Charges, shaped, flexible, linear, metal clad	1.1D	UN 0288	Explosive (1.1D)	-	-	-	
N	Charges, supplementary, explosive	1.1D	UN 0060	Explosive (1.1D)	-	-	-	
	Chloral, anhydrous, inhibited	6.1	UN 2075	Poison	II	1	5	
	Chlorate and borate, mixtures. See Borate and chlorate mixtures							
	Chlorate and magnesium chloride, mixtures	5.1	UN 1459	Oxidizer	II	1.2	5	Stow 'away from' powdered metals and 'sep- arated from' ammonium compounds
	Chlorates, (inorganic), n.o.s.	5.1	UN 1461	Oxidizer	II	1.2	5	Stow 'away from' powdered metals and 'sep- arated from' ammonium compounds
	Chlorinated anthracene oil	6.1	UN 2230	Poison	II	1.3	1.3	Stow 'away from' sources of heat. Segrega- tion same as for flammable liquids
	Chlorine	2.3	UN 1017	Poison Gas, Oxidizer	-	1	5	Stow 'away from' living quarters and organic materials, 'separated from' acetylene, am- monia, diborane and hydrogen
	Chlorine trifluoride	2.3	UN 1749	Poison Gas, Oxidizer, Corrosive	-	1.2	5	Stow 'away from' food stuffs and living quar- ters
	Chlorites, (inorganic), n.o.s.	5.1	UN 1462	Oxidizer	II	1.2	5	Stow 'away from' powdered metals and cyanides, 'separated from' ammonium com- pounds
	Chloroacetaldehyde	6.1	UN 2232	Poison	II	1	5	
	Chloroacetic acid, liquid	8	UN 1750	Corrosive	II	1.2	1.2	Glass carboys in hampers not permitted under deck
	Chloroacetic acid, solid	8	UN 1751	Corrosive	II	1.2	1.2	Keep dry
	Chloroacetone, stabilized	6.1	UN 1692	Poison	II	1	5	
	Chloroacetophenone	6.1	UN 1697	Poison	II	1	5	
	Chloroacetyl chloride	8	UN 1752	Corrosive	II	1	5	Keep dry
	Chloroaniline, liquid	6.1	UN 2019	Poison	II	1.2	1.2	
	Chloroaniline, solid	6.1	UN 2018	Poison	II	1.2	1.2	
	Chlorobenzene	3.3	UN 1134	Flammable Liquid	II	1.3	1.3	
	Chlorobenzotrifluoride	3.3	UN 2234	Flammable Liquid	III	1.2	1.2	
	p-Chlorobenzoyl peroxide, maximum concentration 52% as a paste	5.2	UN 2114	Organic Peroxide	II	1	5	
	p-Chlorobenzoyl peroxide, maximum concentration 52% in solution	5.2	UN 2115	Organic Peroxide	II	1	5	
	p-Chlorobenzoyl peroxide, maximum concentration 75% with water	5.2	UN 2113	Organic Peroxide	II	1	5	
	p-Chlorobenzyl chloride	6.1	UN 2235	St. Andrews Cross	III	1.2	1.2	
	Chlorodifluoromethane	2.2	UN 1974	Nonflammable Gas	-	1.2	1.2	
	Chlorodifluoromethane	2.2	UN 1018	Nonflammable Gas	-	1.2	1.2	
	Chlorodifluoromethane and chloropentafluoromethane, mixture with a fixed boiling point containing about 49% of chlorodifluoromethane	2.2	UN 1973	Nonflammable Gas	-	1.2	1.2	
	Chlorodinitrobenzene	6.1	UN 1577	Poison	II	1.2	1.2	
	2-Chloroethanol	3.3	UN 1135	Flammable Liquid	II	1.2	1.2	
	Chloroform	6.1	UN 1088	Poison	II	1.2	1.2	
	Chloromethyl ethyl ether	3.2	UN 2254	Flammable Liquid, Poison	II	1.3	5	Keep cool
	3-Chloro-4-methylphenyl isocyanate	6.1	UN 2236	Poison	II	1.2	1.2	Shade from radiant heat
	Chloronitroaniline	6.1	UN 2237	St. Andrews Cross	III	1.2	1.2	
	Chloronitrobenzene (o-, m-, p-)	6.1	UN 1578	Poison	II	1.2	1.2	
	p-Chloro-o-aniline	6.1	UN 2233	St. Andrews Cross	III	1.2	1.2	
	Chloro-o-nitrotoluene	6.1	UN 2433	St. Andrews Cross	III	1.2	1.2	
	4-Chloro-o-toluidine hydrochloride	6.1	UN 1579	St. Andrews Cross	III	1.2	1.2	
	Chloropentafluoromethane	2.2	UN 1020	Nonflammable Gas	-	1.2	1.2	
	m-Chloroperoxybenzoic acid, maximum concentration 86%	5.2	UN 2753	Organic Peroxide	II	1	5	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Chlorophenates, liquid	6.1	UN 2021	St. Andrews Cross	III	1.2	1.2	
	Chlorophenates, solid	6.1	UN 2020	St. Andrews Cross	III	1.2	1.2	
	Chlorophenols, liquid	6.1	UN 2021	St. Andrews Cross	III	1.2	1.2	
	Chlorophenols, solid	6.1	UN 2020	St. Andrews Cross	III	1.2	1.2	
	Chlorophenyl trichlorosilane	8	UN 1753	Corrosive	II	1	1	Keep dry
	Chloropicrin	6.1	UN 1580	Poison	I	1	5	
	Chloropicrin and methyl bromide, mixtures	6.1	UN 1581	Poison	-	1	5	Shade from radiant heat
	Chloropicrin and methyl chloride, mixtures	6.1	UN 1582	Poison	-	1	5	
	Chloropicrin mixtures, n.o.s.	6.1	UN 1583	Poison	I/II	1	5	
	Chloroplatinic acid, solid	8	UN 1583	St. Andrews Cross	III	1.2	1.2	
	Chloroprene, inhibited	3.2	UN 2507	Corrosive	III	1.2	1.2	
	2-Chloropropene	3.1	UN 1991	Flammable Liquid	I	1.2	1	Keep cool
	2-Chloropropene	3.1	UN 2356	Flammable Liquid	I	1.3	5	Keep cool
	2-Chloropropene	3.1	UN 2456	Flammable Liquid	I	1.3	5	Keep cool
	Chloropropionic acid	8	UN 2511	Corrosive	III	1.2	1.2	Glass carboys prohibited on passenger vessels
	Chlorosulphonic acid, with or without sulphur trioxide	8	UN 1754	Corrosive	I	1	1	Glass carboys prohibited on passenger vessels
	Chlorotetrafluoroethane	2.2	UN 1021	Nonflammable Gas	-	1.2	1.2	
	Chlorotoluenes (o-, m-, p-)	3.3	UN 2258	Flammable Liquid	III	1.2	1.2	
	Chlorotoluidines	6.1	UN 2259	St. Andrews Cross	III	1.2	1.2	
	Chlorotrifluoroethane. See Trifluorochloroethane							
	Chlorotrifluoroethylene. See Trifluorochloroethylene							
	Chlorotrifluoromethane	2.2	UN 1022	Nonflammable Gas	-	1.2	1.2	
	Chromic acid, solid. See Chromium trioxide, anhydrous							
	Chromic acid, solution	8	UN 1755	Corrosive	II	1	1	
	Chromic anhydride. See Chromium trioxide, anhydrous							
	Chromic fluoride, solid	8	UN 1756	Corrosive	II	1.2	1.2	
	Chromic fluoride, solution	8	UN 1757	Corrosive	II	1.2	1.2	
	Chromium oxychloride	8	UN 1758	Corrosive	I	1	1	Keep dry. Glass carboys prohibited on pas- senger vessels
	Chromium trioxide, anhydrous	5.1	UN 1463	Oxidizer, Corrosive	II	1.2	1.2	Stow 'away from' foodstuffs
	Chromosulphuric acid	8	UN 2240	Corrosive	I	1.2	1	Carboys not permitted on passenger vessels and permitted only on deck on cargo ves- sels
	Chrysotile. See Asbestos, white							
	Cigarettes, self-lighting	4.1	UN 1867	Flammable Solid	III	1.2	1.2	Keep dry
	Cleaning compound. See Flammable liquid preparations, n.o.s.							
	Cleaning compounds, liquid, corrosive	8	UN 1759	Corrosive	II	1.2	1.2	
	Coal gas	2.1	UN 1023	Flammable Gas, Poison Gas	-	1	5	Stow 'away from' living quarters
	Coal tar distillate	3.2	UN 1136	Flammable Liquid	-	1.2	1	
	Coal tar light oil	3.3	UN 1136	Flammable Liquid	-	1.2	1	
	Coal tar naphtha	3.2	UN 1137	Flammable Liquid	-	1.2	1	
	Coal tar oil. See Coal tar distillate							
	Coating solutions	3.2	UN 1139	Flammable Liquid	II	1.2	1	
	Cobalt naphthenates, powder	3.3	UN 1139	Flammable Liquid	II	1.2	1.2	
	Cobalt resinate, precipitated	4.1	UN 3001	Flammable Solid	III	1.2	1.2	
	Cocubes, solid	6.1	UN 1318	Flammable Solid	III	1.2	1.2	
	Cologne spirits. See Ethanol							
	Columbian spirits. See Methanol							
	Components, explosive train, n.o.s.	1.4B	UN 0383	Explosive (1.4B)	-	1.3	1.3	
	Components, explosive train, n.o.s.	1.4S	UN 0384	None. Package to be marked '1.4S'	-	1.3	1.3	
N	Components, explosive train, n.o.s.	1.2B	UN 0382	Explosive (1.2B)	-	-	-	
	Compressed or liquefied gases, (flammable, non-toxic), n.o.s.	2.1	UN 1954	Flammable Gas	-	1	5	Stow 'away from' living quarters
	Compressed or liquefied gases, (flammable, toxic), n.o.s.	2.1	UN 1953	Flammable Gas, Poison Gas	-	1	5	Stow 'away from' living quarters
	Compressed or liquefied gases, (non-flammable, non-toxic), n.o.s.	2.2	UN 1956	Nonflammable Gas	-	1.2	1.2	
	Compressed or liquefied gases, (non-flammable, toxic), n.o.s.	2.3	UN 1955	Poison Gas	-	1	5	Stow 'away from' living quarters
N	Contrivances, water-activated, with burner, expelling charge or pro- pelling charge	1.2L	UN 0248	Explosive (1.2L), Dangerous When Wet	-	-	-	
N	Contrivances, water-activated, with burner, expelling charge or pro- pelling charge	1.3L	UN 0249	Explosive (1.3L), Dangerous When Wet	-	-	-	
	Copper acetoarsenite	6.1	UN 1585	Poison	II	1.2	1.2	
	Copper arsenite	6.1	UN 1586	Poison	II	1.2	1.2	
	Copper cyanide	6.1	UN 1587	Poison	II	1.2	1.2	Stow 'away from' acids
	Copra	4.2	UN 1343	None. Package to be marked 'Class 4.2'	III	1.2	1.2	Keep dry. Protect from sparks and open flame
	Cord, detonating, flexible	1.4 D	UN 0289	Explosive (1.4D)	-	1.3	1.3	
N	Cord, detonating, flexible	1.1D	UN 0065	Explosive (1.1D)	-	-	-	
N	Cord, detonating, metal clad	1.1D	UN 0290	Explosive (1.1D)	-	-	-	
N	Cord, detonating, metal clad	1.2D	UN 0102	Explosive (1.2D)	-	-	-	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Name	(3) IMCO Class	(4) Identi- fication Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Cord, detonating, mild effect, monolithic	1.4 D	UN 0104	Explosive (1.4D)	-	1,3	1,3	
	Cord, igniter	1.4 G	UN 0066	Explosive (1.4G)	-	1,3	1,3	
	Corrosive liquids, n.o.s.	8	UN 1760	Corrosive	II	1	5	For a material that meets only the corrosion to steel criteria of 49 CFR 173.240(a)(1), 'under deck' stowage is also authorized if the description includes the additional entry specified in Sec. 172.203(D)(3).
	Corrosive solids, n.o.s.	8	(UN 1760)	Corrosive	I/II/III	1	5	For a material that meets only the corrosion to steel criteria of 49 CFR 173.240(a)(1), 'under deck' stowage is also authorized if the description includes the additional entry specified in Sec. 172.203(D)(3).
	Cosmetics, n.o.s. See Perfumery products							
	Cotton, dry. See Fibres, vegetable, dry							
	Cotton waste, oily	62	UN 0964	Spontaneously Combustible	III	1,2	1,2	Keep dry. Stow 'away from' explosives, animal cells or vegetable oils.
	Cotton, wet or contaminated	4.2	UN 1349	Spontaneously Combustible	III	1,2	1,2	Keep dry
	Cresols (o-, m-, p-)	6.1	UN 2076	Poison	II	1,2	1,2	
	Cresylic acid	6.1	UN 2022	Poison	II	1,2	1,2	
	Crocidolite. See Asbestos, blue							
	Crotonaldehyde, inhibited	3.2	UN 1143	Flammable Liquid	I	1,2	1	
	Crotarylene	3.1	UN 1144	Flammable Liquid	I	1,3	5	Keep cool
	Cumene hydroperoxide, technical pure	5.2	UN 2116	Organic Peroxide	I	1	5	
	Cupric cyanide. See Copper cyanide							
	Cupriethylenediamine, solution	8	UN 1761	Corrosive, Poison	II	1,2	1,2	
	Cut-backs, asphalt or bitumen	1.2	UN 1999	Flammable Liquid	II	1,2	1	
		1.3	UN 1999	Flammable Liquid	II	1,2	1,2	
	Cutters, cable, explosive	1.4 S	UN 0070	None. Package to be marked '1.4 S'	-	1,3	1,3	
	Cyanide mixtures. See Cyanides, inorganic, n.o.s.							
	Cyanides, (inorganic), n.o.s.	6.1	UN 1581	Poison	I/II	1,2	1,2	Stow 'away from' acids.
		6.1	UN 1582	Poison	III	1,2	1,2	
	Cyanides, solutions	6.1	UN 1908	Poison	I	1,2	1,2	Stow 'away from' acids.
	Cyanogen	2.3	UN 1026	Poison Gas, Flammable Gas	-	1	5	Stow 'away from' foodstuffs and living quarters.
	Cyanogen bromide	6.1	UN 1029	Poison, Corrosive	I	1	5	Shade from radiant heat. Segregation zone as for corrosives.
	Cyanogen chloride, inhibited	2.3	UN 1589	Poison Gas	-	1	5	
	Cyanuric chloride (cyanuric trichloride)	8	UN 2090	Corrosive	II	1,2	1,2	Keep dry
	1,5,9-Cyclododecatriene	8	UN 2518	Corrosive	III	1	5	Stow 'away from' living quarters.
	Cycloheptane	3.2	UN 2241	Flammable Liquid	II	1,2	1	
	Cycloheptatriene	3.2	UN 2803	Flammable Liquid, Poison	II	1,3	5	Keep cool
	Cycloheptene	3.2	UN 2242	Flammable Liquid	II	1,2	1	
	Cyclohexane	3.1	UN 1489	Flammable Liquid	II	1,2	5	
	Cyclohexanone	3.3	UN 1816	Flammable Liquid	III	1,2	1,2	
	Cyclohexanone peroxide. See 1-Hydroxy-1'-hydroperoxy dicyclohexyl peroxide and mixtures, etc.							
	Cyclohexene	3.1	UN 2246	Flammable Liquid	II	1,3	5	Keep cool
	Cyclohexene	3.2	UN 2246	Flammable Liquid	II	1,2	1	
	Cyclohexenyl trichlorosilane	8	UN 1762	Corrosive	II	1	1	Keep dry
	Cyclohexyl acetate	3.3	UN 2243	Flammable Liquid	III	1,2	1,2	
	Cyclohexylamine	3.2	UN 2357	Flammable Liquid, Poison	II	1,2	1	
	Cyclohexylamine	3.3	UN 2357	Flammable Liquid, Corrosive	II	1,2	1,2	
	Cyclohexyl isocyanate	6.1	UN 2482	Poison	II	1	5	Shade from radiant heat. Stow 'away from' sources of heat.
	Cyclohexyl trichlorosilane	8	UN 1762	Corrosive	II	1	1	Keep dry
	Cyclooctadiene	3.3	UN 2220	Flammable Liquid	II	1,2	1,2	
	Cyclooctatriene	3.2	UN 2338	Flammable Liquid	II	1,2	1	
	Cyclopentane	3.1	UN 1146	Flammable Liquid	II	1,2	5	
	Cyclopentanediol	3.3	UN 2244	Flammable Liquid	III	1,2	1,2	
	Cyclopentanone	3.3	UN 2245	Flammable Liquid	II	1,2	1,2	
	Cyclopentene	3.1	UN 2246	Flammable Liquid	II	1,3	5	Keep cool
	Cyclopropane	2.1	UN 1089	Flammable Gas	-	1,2	1	Stow 'away from' living quarters.
N	Cyclotetramethylenetetrazine, containing, by weight, at least 15% water or at least 10% phlegmatizer	1.1D	UN 0236	Explosive (1.1D)	-	-	-	
N	Cyclotrimethylenetrinitramine, containing, by weight, at least 15% water or at least 10% phlegmatizer	1.1D	UN 0072	Explosive (1.1D)	-	-	-	
N	Cyclotrimethylenetrinitramine, unad mixed with cyclotetramethylenetetrazine, containing, by weight, at least 15% water or at least 10% phlegmatizer	1.1D	UN 0391	Explosive (1.1D)	-	-	-	
	p-Cymene	3.3	UN 2046	Flammable Liquid	II	1,2	1,2	
	Decaborane	4.1	UN 1488	Flammable Solid, Poison	II	1,2	1,2	
	Decahydronaphthalene	3.3	UN 1467	Flammable Liquid	II	1,2	1,2	
	Decalin. See Decahydronaphthalene							

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Name	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
N	n-Decane	3.3	UN 2247	Flammable Liquid	III	1,2	1,2	
	Decanoyl peroxide, technical pure	5.2	UN 2130	Organic Peroxide	II	1	5	Maximum transport temperature 15 deg C
	Deflagrating metal salts of aromatic nitro-derivatives, n.o.s.	1.3C	UN 0132	Explosive (1.3C)	-	-	-	
	Detonators for ammunition	1.4B	UN 0365	Explosive (1.4B)	-	1,3	1,3	
N	Detonators for ammunition	1.4S	UN 0366	None. Package to be marked "1.4S"	-	1,3	1,3	
	Detonators for ammunition	1.4B	UN 0073	Explosive (1.1B)	-	-	-	
	Detonators for ammunition	1.2B	UN 0364	Explosive (1.2B)	-	-	-	
	Deuterium	2.1	UN 1957	Flammable Gas	-	1,2	5	Stow 'away from' living quarters
N	Diacetone alcohol	3.2	UN 1148	Flammable Liquid	II	1,2	1	
	Diacetone alcohol peroxides, maximum 57% in solution with maxi- mum 9% hydrogen peroxide, minimum 26% diacetone alcohol and minimum 9% water; total active oxygen content maximum 10%	5.2	UN 2163	Organic Peroxide	II/III	1,2	1,2	
	Diallylamine	3.2	UN 2359	Flammable Liquid	II	1,2	1	
	Diallylether	3.2	UN 2360	Flammable Liquid, Poison	II	1,3	5	Keep cool
N	Diazodinitrophenol, containing, by weight, at least 40% water or mixture of alcohol and water	1.1A	UN 0074	Explosive (1.1A)	-	-	-	
	Dibenzylchlorosulfide	8	UN 2434	Corrosive	II	1	1	Keep dry
	Dibenzyl perdicarbonate, maximum concentration 87% with water	5.2	UN 2149	Organic Peroxide	I	1	5	Maximum transport temperature 25 deg C
	Dibenzyl peroxydicarbonate. See Dibenzyl perdicarbonate							
N	Diborane	2.1	UN 1911	Flammable Gas, Poison Gas	-	1	5	Stow 'away from' foodstuffs and living quar- ters, 'separated from' chlorine
	Dibromobenzene	3.3	UN 2711	Flammable Liquid	III	1,2	1,2	
	Dibutyl ethers	3.3	UN 1149	Flammable Liquid	III	1,2	1,2	
	Di-iso-butyl perdicarbonate, maximum concentration 52% in solution	5.2	UN 2151	Organic Peroxide	II	1	5	Maximum transport temperature -10 deg C
N	Di-iso-butyl perdicarbonate, technical pure	5.2	UN 2150	Organic Peroxide	I	1	5	Maximum transport temperature -30 deg C
	Di-iso-butyl peroxydicarbonate. See Di-iso-butyl perdicarbonate							
	Dioctyl perdicarbonate, technical pure	5.2	UN 2164	Organic Peroxide	II	1	5	Maximum transport temperature 20 deg C
	Dioctyl peroxydicarbonate. See Dioctyl perdicarbonate							
N	Dichloroacetic acid	8	UN 1764	Corrosive	II	1,2	1,2	Open carboy in hampers not permitted under deck
	Dichloroacetyl chloride	8	UN 1754	Corrosive	II	1	5	Keep dry
	Dichlorosulfide	6.1	UN 1990	Poison	II	1,2	1,2	Stow 'away from' acids
	p-Dichlorobenzene	9	UN 1992	None	III	1,2	1,2	Stow 'away from' foodstuffs
N	Dichlorobenzenes (o, m-)	6.1	UN 1991	St. Andrews Cross	III	1,2	1,2	
	2,4-Dichlorobenzoyl peroxide, maximum concentration 75% with water	5.2	UN 2137	Organic Peroxide	II	1	5	
	2,4-Dichlorobenzoyl peroxide, maximum concentration 52% as a paste	5.2	UN 2138	Organic Peroxide	II	1	5	
	2,4-Dichlorobenzoyl peroxide, maximum concentration 52% in solu- tion	5.2	UN 2139	Organic Peroxide	II	1	5	
N	Dichlorodifluoromethane	2.2	UN 1028	Nonflammable Gas	-	1,2	1,2	
	syn-Dichlorodimethyl ether	6.1	UN 2349	Poison	I	1	5	
	1,1-Dichloroethane	3.2	UN 2362	Flammable Liquid	II	1,2	1	
	Dichloroethylene	3.2	UN 1150	Flammable Liquid	II	1,2	1	
N	Dichloroethyl ether	3.3	UN 1916	Flammable Liquid, Poison	II	1,2	1,2	
	Dichloroisocyanuric acid, dry or dichloroisocyanuric acid salts	5.1	UN 2485	Oxidizer	II	1,2	1,2	
	Dichloroisopropyl ether	6.1	UN 2490	Poison	II	1,2	1	
	Dichloromethane	6.1	UN 1993	St. Andrews Cross	III	1,2	1,2	
N	Dichloromonoisocyanomethane	2.2	UN 1029	Nonflammable Gas	-	1,2	1,2	
	Dichloropentanes	3.3	UN 1152	Flammable Liquid	II	1,2	1,2	
	Dichlorophenyl isocyanates	6.1	UN 2250	Poison	II	1,3	1,3	Shade from radiant heat. Stow 'away from' sources of heat
	Dichlorophenyl trichlorosulfide	8	UN 1766	Corrosive	II	1	1	Keep dry
N	Dichloropropene	3.3	UN 2047	Flammable Liquid	II	1,2	1,2	
	Dichlorosulfide	2.3	UN 2189	Poison Gas, Flammable Gas	-	1	5	Stow 'away from' living quarters
	Dichlorotetrafluoroethane	2.2	UN 1028	Nonflammable Gas	-	1,2	1,2	
	Dichromates, (inorganic), n.o.s.	5.1	UN 1464	Oxidizer	II	1,2	1,2	Stow 'away from' foodstuffs
N	Dicumyl peroxide, technical pure or in a mixture with inert solid	5.2	UN 2121	Organic Peroxide	II	1	5	
	Dicyclohexylamine	8	UN 2565	Corrosive	III	1	5	Keep dry
	Dicyclohexyl perdicarbonate, maximum concentration 91% with water	5.2	UN 2153	Organic Peroxide	I	1	5	Maximum transport temperature 5 deg C
	Dicyclohexyl perdicarbonate, technical pure	5.2	UN 2152	Organic Peroxide	I	1	5	Maximum transport temperature 5 deg C
N	Dicyclohexyl peroxydicarbonate. See Dicyclohexyl perdicarbonate							
	Dicyclopentadiene	3.3	UN 2048	Flammable Liquid	II	1,2	1,2	
	Dithyrium nitrate	5.1	UN 1465	Oxidizer	III	1,2	1,2	
	1,3-Dithoxyethane	3.3	UN 1153	Flammable Liquid	III	1,2	1,2	
N	Dithoxymethane	3.1	UN 2373	Flammable Liquid	II	1,3	5	Keep cool
	Diethylamine	4.2	UN 1101	Spontaneously Combustible	I	1	1	
	Diethylamine	3.1	UN 1154	Flammable Liquid	II	1,3	5	Keep cool
	Diethylaminoethanol	3.3	UN 2666	Flammable Liquid	III	1,2	1,2	
N	N,N-Diethylamine	6.1	UN 2432	St. Andrews Cross	III	1,2	1,2	

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§ 172.102 Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Name	(3) IMCO Class	(4) Identification Number	(5) Label(s) required	(6) Shipping Group	(7) Vessel Storage Requirements		
						(8) Cargo vessel	(9) Passenger vessel	(10) Other requirements
N	Diethylbenzene	3.3	UN 2049	Flammable Liquid	II	1.2	1.2	Keep dry. Separate longitudinally by an intervening compartment or hold from explosives
	Diethylketone	3.3	UN 2706	Flammable Liquid	II	1.2	1.2	
	Diethyl carbonate	3.3	UN 2985	Flammable Liquid	II	1.2	1.2	
	Diethyl dichlorosilane	8	UN 1797	Corrosive	II	1	1	Keep dry. Separate longitudinally by an intervening compartment or hold from explosives
	Diethylenglycol dimethacrylate, containing by weight, at least 25% non-soluble water-insoluble pigments	MBD	UN 3075	Explosive (1.2D)	—	—	—	
	Diethylmalonamide	8	UN 3079	Corrosive	II	1.2	1.2	
	Diethyl ether	3.1	UN 1156	Flammable Liquid	I	1.2	1.2	Keep cool Maximum transport temperature -45 deg C
	Di-(2-ethylhexyl) perdicarbonate, maximum concentration 67% in solution	5.2	UN 2123	Organic Peroxide	II	1	5	
	Di-(2-ethylhexyl) perdicarbonate, technical pure	5.2	UN 2123	Organic Peroxide	II	1	5	
	Di-(2-ethylhexyl) peroxydicarbonate. See Di-(2-ethylhexyl) perdicarbonate	5.2	UN 2123	Organic Peroxide	II	1	5	Maximum transport temperature -30 deg C
	Diethyl ketone	3.2	UN 1156	Flammable Liquid	II	1.2	1.2	
	Diethylmagnesium	4.2	UN 1367	Spontaneously Combustible	I	1	5	
	Diethyl perdicarbonate, maximum concentration 27% in solution	5.2	UN 2123	Organic Peroxide	II	1	5	Maximum transport temperature -30 deg C
	Diethyl peroxydicarbonate. See Diethyl perdicarbonate	5.2	UN 2123	Organic Peroxide	II	1	5	
	Diethylp-oxipropionate	4.2	—	Spontaneously Combustible	—	1.2	5	
	Diethyl sulfide	3.2	UN 2023	Flammable Liquid, Poison	II	1.3	5	Keep cool and dry
	Diethyl sulphate	6.1	UN 1386	Corrosive	II	1	1	
	Diethylzinc	4.2	UN 1366	Spontaneously Combustible	I	1	5	
	1,1-Difluoroethane	2.1	UN 1030	Flammable Gas	—	1.2	1	Slow 'away from' living quarters
	1,1-Difluoroethylene	2.1	UN 1999	Flammable Gas	—	1.2	5	
	Difluoromono-chloroethane	2.1	UN 1001	Flammable Gas	—	1.2	1	
	Difluorophosphoric acid, anhydrous	8	UN 1768	Corrosive	II	1.2	1.2	Slow 'away from' living quarters
	2,2-Dihydroperoxy propane, maximum concentration 25% with inert organic solid	5.2	UN 2128	Organic Peroxide	II	1	5	
	2,3-Dihydroperoxy propane	3.2	UN 2376	Flammable Liquid	II	1.2	1	
	Diisobutylene	3.3	UN 2361	Flammable Liquid	II	1.2	1.2	Slow 'away from' living quarters
	Diisobutylene, (isomeric compounds)	3.2	UN 2030	Flammable Liquid	II	1.2	1	
	Diisobutyl ketone	3.3	UN 1157	Flammable Liquid	III	1.2	1.2	
	Diisooctyl acid phosphate	8	UN 1802	Corrosive	III	1.2	1.2	Glass carboys in hampers not permitted under deck
	Diisopropylamine	3.2	UN 1158	Flammable Liquid	II	1.2	1	
	Diisopropylbenzene hydroperoxide, maximum concentration 72% in solution	5.2	UN 2171	Organic Peroxide	I	1	5	
	Diisopropyl ether	3.1	UN 1189	Flammable Liquid	II	1.3	5	Keep cool
	Diisopropyl perdicarbonate, technical pure	5.2	UN 2123	Organic Peroxide	II	1	5	
	Diisopropyl perdicarbonate, maximum concentration 52% in solution	5.2	UN 2124	Organic Peroxide	II	1	5	
	Diketone, inhibited	3.3	UN 2281	Flammable Liquid	II	1.2	1.2	Slow 'away from' living quarters
	1,1-Dimethoxyethane	3.3	UN 2007	Flammable Liquid	III	1.2	1	
	1,2-Dimethoxyethane	3.2	UN 2002	Flammable Liquid	II	1.2	1	
	Dimethylamine, anhydrous	2.1	UN 1032	Flammable Gas	—	1.2	5	Slow 'away from' living quarters
	Dimethylamine, solution	3.2	UN 2160	Flammable Liquid	II	1.2	1	
	Dimethylaminoethyl methacrylate	6.1	UN 2522	Poison	II	1.2	1	
	N,N-Dimethylamine	6.1	UN 2253	Poison	II	1.3	1.3	Slow 'away from' living quarters
	2,5-Dimethyl-2,5-bis-(benzoylperoxy) hexane, maximum concentration 82% with inert solid	5.2	UN 2173	Organic Peroxide	II	1	5	
	2,5-Dimethyl-2,5-bis-(benzoylperoxy) hexane, technical pure	5.2	UN 2172	Organic Peroxide	II	1	5	
	2,5-Dimethyl-2,5-bis-(tert-butylperoxy) hexane, maximum concentration 32% with inert solid	5.2	UN 2156	Organic Peroxide	II	1	5	Maximum transport temperature 30 deg C
	2,5-Dimethyl-2,5-bis-(tert-butylperoxy) hexane, technical pure	5.2	UN 2155	Organic Peroxide	II	1	5	
	2,5-Dimethyl-2,5-bis-(tert-butylperoxy) heptane-3, maximum concentration 32% with inert solid	5.2	UN 2159	Organic Peroxide	II	1	5	
	2,5-Dimethyl-2,5-bis-(tert-butylperoxy) heptane-3, technical pure	5.2	UN 2158	Organic Peroxide	II	1	5	Maximum transport temperature 30 deg C
	2,5-Dimethyl-2,5-bis-(2-ethylbenzoylperoxy) hexane, technical pure	5.2	UN 2157	Organic Peroxide	II	1	5	
	Dimethylbenzene	3.1	UN 2037	Flammable Liquid	II	1.2	5	
	1,3-Dimethylbutylene	3.2	UN 2379	Flammable Liquid	II	1.2	1	Slow 'away from' living quarters
	Dimethyl carbonate	3.2	UN 1161	Flammable Liquid	II	1.2	1	
	Dimethylcyclohexane	3.2	UN 2263	Flammable Liquid	II	1.2	1	
	Dimethyldichlorosilane	3.2	UN 1462	Flammable Liquid, Corrosive	I	1.2	1	Slow 'away from' living quarters
	Dimethyldibromosilane	3.2	UN 2280	Flammable Liquid	II	1.2	1	
	2,5-Dimethyl-2,5-dihydroperoxy hexane, maximum concentration 82% with water	5.2	UN 2174	Organic Peroxide	I	1	5	
	1,5-Dimethyl-1,5-dihydroxydioxolane-2. See Acetyl acetone peroxide, maximum concentration 66% in solution	3.2	UN 2174	Organic Peroxide	I	1	5	Slow 'away from' living quarters
	Dimethyldioxane	3.2	UN 2174	Organic Peroxide	I	1	5	
	Dimethyldioxane	3.2	UN 2174	Organic Peroxide	I	1	5	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Dimethyl disulfide	3.2	UN 2381	Flammable Liquid	II	1.2	1	
	Dimethylsiloxane	3.3	UN 2051	Flammable Liquid	II	1.3	1.3	
	Dimethyl ether	2.1	UN 1033	Flammable Gas	—	1.2	1	Stow 'away from' living quarters
	N,N-Dimethylformamide	6.1	UN 2265	St. Andrews Cross	III	1.3	1.3	Stow 'away from' sources of heat and halo- genated hydrocarbons
	2,5-Dimethylhexane-2,5-dithiopyranose. See 2,5-Dimethyl-2,5-dithiopyranose							
	Dimethylhydrazine, symmetrical	3.2	UN 2380	Flammable Liquid, Poison	I	1.3	5	Keep cool
	Dimethylhydrazine, unsymmetrical	3.2	UN 1363	Flammable Liquid	I	1.2	1	Stow 'separated from' corrosive liquids and oxidizers
	Dimethylmagnesium	4.2	UN 1368	Spontaneously Combustible	I	1	5	Prohibited on any ship carrying explosives
	Dimethyl-p-nitrosaniline	4.2	UN 1369	Spontaneously Combustible	II	1.2	5	Stow 'away from' foodstuffs
	2,2-Dimethylpropane	2.1	UN 2264	Flammable Gas	—	1.2	1	Stow 'away from' living quarters
	Dimethyl-N-propylamine	3.2	UN 2265	Flammable Liquid, after service	II	1.2	1	
	Dimethyl sulphate	6.1	UN 1385	Poison	I	1	5	Keep cool
	Dimethyl sulphide	3.1	UN 1164	Flammable Liquid	I	1.3	5	Keep cool
	Dimethyl thiophosphoryl chloride	8	UN 2267	Corrosive	III	1.2	1	Keep dry. Shade from radiant heat. Glass carboys prohibited on passenger vessels
	Dimethylzinc	4.2	UN 1329	Spontaneously Combustible	I	1	5	Prohibited on any ship carrying explosives
	Dimyristylperoxydicarbonate, technical pure	5.2	UN 2595	Organic Peroxide	II	1	5	Maximum transport temperature 30 deg C
	Di-(n-butyl)amine	8	UN 2248	Corrosive, Flammable Liquid	II	1.2	1.2	Segregation same as for flammable liquids
	Dinitroanilines	6.1	UN 1596	Poison	II	1.2	1.2	
	Dinitrobenzenes (o-, m-, p-)	6.1	UN 1597	Poison	II	1.2	1.2	
	Dinitrogen tetroxide. See Nitrogen dioxide							
	4,6-Dinitro-o-cresol	6.1	UN 1598	Poison	II	1.2	1.2	
N	Dinitrophenates (alkali metals), dry or containing, by weight, less than 15% water	1.3C	UN 4077	Explosive (1.3C), Poison	—	—	—	
	Dinitrophenolates, wetted with not less than 15% of water	6.1	UN 1321	Flammable Solid, Poison	I	1.2	5	Stow 'away from' heavy metals and their compounds
N	Dinitrophenol, dry or containing, by weight, less than 15% water	1.1D	UN 4076	Explosive (1.1D), Poison	—	—	—	
	Dinitrophenol, solution in water or flammable liquid	6.1	UN 1599	Poison	II	1.2	5	Stow 'away from' heavy metals and their compounds. Segregation same as for flam- mable liquids if flash point below 61 deg C
	Dinitrophenol, wetted with not less than 15% of water	6.1	UN 1322	Flammable Solid, Poison	I	1.2	5	Stow 'away from' heavy metals and their compounds and sodium compounds
N	Dinitroresorcinol, dry or containing, by weight, less than 15% water	1.1D	UN 4078	Explosive (1.1D)	—	—	—	
	Dinitroresorcinols, wetted with not less than 33 1/3% of water	6.1	UN 1323	Flammable Solid	I	1.2	5	Stow 'away from' heavy metals and their compounds
	Dinitrotoluenes, liquid	6.1	UN 1600	Poison, Flammable Liquid	II	1.2	1.2	Segregation same as for flammable liquids
	Dinitrotoluenes, solid	6.1	UN 2034	Poison	II	1.2	1.2	
	Di-n-propyl perdicarbonate. See Di-n-propylperoxydicarbonate							
	Di-n-propyl peroxydicarbonate, technical pure	5.2	UN 2596	Organic Peroxide	I	1	5	Maximum transport temperature -35 deg C
	Dioxane	3.2	UN 1165	Flammable Liquid	II	1.2	1	
	Dioxolane	3.2	UN 1166	Flammable Liquid	II	1.2	1	
	Dipentene	3.2	UN 1362	Flammable Liquid	II	1.2	1.2	
	Diphenylmethanechloroarsine	6.1	UN 1601	Poison	I	1	5	
	Diphenylchloroarsine	6.1	UN 1602	Poison	I	1	5	
	Diphenyl dichloroarsine	8	UN 1769	Corrosive	II	1	5	Keep dry
	Diphenylmethane diisocyanate (M.D.I.)	9	UN 3489	None	III	1.3	1.3	Stow 'away from' foodstuffs
	Diphenylmethyl bromide	6	UN 1770	Corrosive	II	1	5	
	Dipropylamine	3.2	UN 2265	Flammable Liquid	II	1.2	1	
	Dipropylaziridine	8	UN 2889	Corrosive	III	1.2	1.2	
	Dipropyl ether	3.1	UN 2264	Flammable Liquid	II	1.3	5	Keep cool
	Disinfectants, corrosive, liquid	8	UN 1903	Corrosive	II	1.2	1.2	
	Disinfectants (powders), n.o.s.	6.1	UN 1601	Poison	I/II	1.2	1.2	Stow 'separated from' foodstuffs.
	Disinfectants, (solid), n.o.s.	6.1	UN 1601	St. Andrews Cross	III	1.2	1.2	Stow 'away from' foodstuffs
	Diisobutylperoxydicarbonate, with 15% of amyl alcohol	5.2	UN 2592	Organic Peroxide	II	1	5	
	Disacetic acid peroxide. See Succinic acid peroxide							
	Divinyl ether, inhibited	3.1	UN 1167	Flammable Liquid	II	1.3	6	Keep cool
	Dodecyl trichlorosilane	8	UN 1771	Corrosive	II	1	1	Keep dry
	Dyeing leather. See Flammable liquid preparations, n.o.s.							
	Driers, (paste or varnish, liquid), n.o.s.	3.2	UN 1168	Flammable Liquid	II	1.2	1	
	Driers, (paste or varnish, solid), n.o.s.	3.3	UN 1168	Flammable Liquid	II	1.2	1.2	
	Dye intermediates, (poisonous, liquid or solid), n.o.s.	6.1	UN 1371	Flammable Solid	III	1.2	1.2	
	Electrolyte, acid. See Battery fluid, acid							
	Electrolyte, alkaline. See Battery fluid, alkaline corrosive							

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Emulsions. See Poisons, etc.							
	Endrin, technical, dry or liquid	6.1	UN 2065	Poison	I/II	1,2	1,2	If flashpoint below 61° deg. C segregation same as for flammable liquids
		6.1	UN 2065	St. Andrews Cross	III	1,2	1,2	If flashpoint below 61° deg. C segregation same as for flammable liquids
	Engine starting fluid, with flammable gas	2.1	UN 1960	Flammable Gas	-	1,2	5	Stow 'away from' living quarters
	Epithromohydrin. See 1-Bromo-2,3-epoxypropane							
	Epichlorohydrin	6.1	UN 2023	Poison, Flammable Liquid (only if flashpoint is below 23 deg. C.)	II	1,2	1,2	Separation same as for flammable liquids
	1,2-Epoxy-3-ethoxypropane	3.3	UN 2752	Flammable Liquid	III	1,2	1,2	
	Eradicator, paint or grease, liquid. To be classified and labeled according to the principle hazardous constituent	-	UN 1850	Flammable Liquid	-	1,2	1	
	Essences. See Extracts, aromatic, liquid							
	Ethane, compressed	2.1	UN 1035	Flammable Gas	-	1,2	5	
	Ethane, liquid	2.1	UN 4961	Flammable Gas	-	1,2	5	
	Ethanol	3.2	UN 1170	Flammable Liquid	II	1,2	1	
	Ethanolamine, and solutions thereof	8	UN 2491	Corrosive	III	1,2	1,2	Stow 'away from' copper, copper alloys, copper compounds and rubber products
	Ether. See Diethyl ether							
	2-Ethoxyethanol	3.3	UN 1171	Flammable Liquid	III	1,2	1,2	
	2-Ethoxyethyl acetate	3.3	UN 1172	Flammable Liquid	III	1,2	1,2	
	Ethyl acetate	3.2	UN 1173	Flammable Liquid	II	1,2	1	
	Ethyl acrylate, inhibited	3.2	UN 1917	Flammable Liquid	II	1,2	1	
	Ethyl alcohol. See Ethanol							
	Ethyl aldehyde. See Acetaldehyde							
	Ethyl aluminum dichloride	4.2	UN 1924	Spontaneously Combustible	I	1	1	
	Ethyl aluminum sesquichloride	4.2	UN 1925	Spontaneously Combustible	I	1	1	
	Ethylamine	2.1	UN 1036	Flammable Gas	-	1,2	5	
	Ethylamine solution in water, concentrations up to 70%	3.3	UN 2270	Flammable Liquid	II	1,2	1	Keep cool
	Ethylamine solution, in water, concentrations up to 70%	3.3	UN 2270	Flammable Liquid	II	1,2	1,2	
		3.3	UN 2270	Flammable Liquid	II	1,2	1,2	
	Ethyl amyl ketone	3.3	UN 2271	Flammable Liquid	III	1,2	1,2	
	N-Ethylaniline	6.1	UN 2272	St. Andrews Cross	III	1,2	1,2	Stow 'away from' acids
	2-Ethylaniline	6.1	UN 2273	St. Andrews Cross	III	1,2	1,2	
	Ethylhexane	3.3	UN 1175	Flammable Liquid	II	1,2	1,2	
	Ethyl-3,3-bis(tert-butyloxy) butyrate, maximum concentration 77% in solution	5.2	UN 2145	Organic Peroxide	II	1	5	
	Ethyl-3,3-bis(tert-butyloxy) butyrate, technical pure	5.2	UN 2144	Organic Peroxide	II	1	5	
	Ethyl-3,3-bis(tert-butyloxy)butyrate, with at least 50% inert, inorganic solid	5.2	UN 2598	Organic Peroxide	II	1	5	
	Ethyl borate	3.2	UN 1176	Flammable Liquid	II	1,2	1	
	Ethyl bromide	9	UN 1891	None	II	1,2	1,2	Stow 'away from' foodstuffs and living quarters
	Ethyl bromoacetate	6.1	UN 1603	Poison	II	1	5	
	2-Ethylbutanol	3.3	UN 2275	Flammable Liquid	III	1,2	1,2	
	Ethylbutyl acetate	3.3	UN 1177	Flammable Liquid	III	1,2	1,2	
	Ethyl butyl ether	3.2	UN 1179	Flammable Liquid	II	1,2	1	
	2-Ethylbutyraldehyde	3.2	UN 1178	Flammable Liquid	II	1,2	1	
	Ethyl butyrate	3.3	UN 1180	Flammable Liquid	II	1,2	1,2	
	Ethyl chloride	2.1	UN 1037	Flammable Gas	-	1,2	5	Stow 'away from' living quarters
	Ethyl chloroacetate	3.3	UN 1181	Flammable Liquid	II	1,2	1,2	
	Ethyl chloroacetate. See Ethyl chloroformate							
	Ethyl chloroformate	3.2	UN 1182	Flammable Liquid, Poison, Corrosive	I	1,2	1	
	Ethyl crotonate	3.2	UN 1862	Flammable Liquid	II	1,2	1	
	Ethyl dichloroarsine	6.1	UN 1892	Poison	I	1	5	
	Ethyl dichloroarsine	3.2	UN 1183	Flammable Liquid	II	1,2	1	
	Ethylene chlorohydrin. See 2-Chloroethanol							
	Ethylene, compressed	2.1	UN 1962	Flammable Gas	-	1,2	5	Stow 'away from' living quarters
	Ethyleneimine	8	UN 1604	Corrosive	II	1,2	1,2	Stow 'away from' oxidizers. Segregation same as for flammable liquids
	Ethylene dibromide	6.1	UN 1605	Poison	II	1,2	1,2	
	Ethylene dichloride	3.2	UN 1184	Flammable Liquid	II	1,2	1	
	Ethylene glycol diethyl ether. See 1,2-Diethoxyethane							
	Ethylene glycol monobutyl ether	6.1	UN 2549	St. Andrews Cross	III	1,3	1,3	Stow 'away from' sources of heat. Segregation same as for flammable liquids
	Ethylene glycol monoethyl ether acetate. See 2-Ethoxyethyl acetate							
	Ethylene glycol monoethyl ether. See 2-Ethoxyethanol							
	Ethylene glycol monomethyl ether	3.3	UN 1186	Flammable Liquid	III	1,2	1,2	
	Ethylene glycol monomethyl ether acetate	3.3	UN 1185	Flammable Liquid	III	1,2	1,2	
	Ethyleneimine, inhibited	3.2	UN 1185	Flammable Liquid, Poison	I	1,2	1	
	Ethylene, liquid	2.1	UN 1038	Flammable Gas	-	1,2	5	Stow 'away from' living quarters

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Name	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Ethylene oxide and carbon dioxide, mixtures containing not more than 10% carbon dioxide	2.1	UN 1941	Flammable Gas	-	1.2	1	Stow 'away from' living quarters
	Ethylene oxide and carbon dioxide, mixtures containing not more than 17% of ethylene oxide	2.1	UN 1932	Flammable Gas	-	1.2	1	Stow 'away from' living quarters
	Ethylene oxide, containing not more than 0.2% of nitrogen	2.1	UN 1940	Flammable Gas	-	1.2	1	Stow 'away from' living quarters
	Ethyl ether. See Diethyl ether							
	Ethyl formate	3.1	UN 1180	Flammable Liquid	II	1.3	5	Keep cool
	Ethyl hexaldehyde	3.3	UN 1191	Flammable Liquid	III	1.2	1.2	
	2-Ethylhexylamine	8	UN 2276	Corrosive	III	1.2	1.2	
	Ethylisobutyrate	3.2	UN 2385	Flammable Liquid	II	1.2	1	
	Ethyl isocyanate	3.2	UN 2481	Flammable Liquid, Poison	I	1	5	Keep cool. Stow 'away from' living quarters and sources of heat
	Ethyl lactate	3.3	UN 1192	Flammable Liquid	III	1.2	1.2	
	Ethyl mercaptan	3.1	UN 2363	Flammable Liquid	I	1.3	5	Keep cool and dry. Stow 'away from' food-stuffs and all odor absorbing cargo
	Ethyl methacrylate, inhibited	3.2	UN 2277	Flammable Liquid	II	1.2	1	
	Ethyl methyl ether	2.1	UN 1039	Flammable Gas	-	1.2	1	Stow 'away from' living quarters
	Ethyl methyl ketone	3.2	UN 1193	Flammable Liquid	II	1.2	1	
	Ethyl methyl ketone peroxide(s), maximum concentration 60%	5.2	UN 2127	Organic Peroxide	I	1	5	
	Ethyl methyl ketone peroxide(s), maximum concentration 50%, containing not more than 10% available oxygen	5.2	UN 2130	Organic Peroxide	I	1	5	
	N-Ethyl-n-benzylaniline	6.1	UN 2274	St. Andrews Cross	III	1.2	1.2	
	Ethyl nitrite, solutions	3.1	UN 1194	Flammable Liquid	I	1.3	5	Keep cool
	Ethyl orthoformate	3.3	UN 2354	Flammable Liquid	II	1.2	1.2	
	Ethyl oxalate	6.1	UN 2325	St. Andrews Cross	III	1.2	1	
	Ethylphenyldichlorosulfone	8	UN 2435	Corrosive	II	1	1	Keep dry
	1-Ethyl-pyridine	3.2	UN 2386	Flammable Liquid	II	1.2	1	
	Ethyl propionate	3.2	UN 1195	Flammable Liquid	II	1.2	1	
	Ethyl propyl ether	3.1	UN 2634	Flammable Liquid	II	1.3	5	Keep cool
	Ethyl silicate. See Tetraethyl silicate							
	Ethyltrichlorosulfone	3.2	UN 1196	Flammable Liquid, Corrosive	II	1.2	1	
N	Explosives, blasting, Type A	1.1D	UN 0083	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type B	1.1D	UN 0034	Explosive (1.1D)	-	6	5	
N	Explosives, blasting, Type C	1.1D	UN 0082	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type D	1.1D	UN 0083	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type E	1.1D	UN 0084	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type F	1.1D	UN 0085	Explosive (1.1D)	-	6	5	
N	Explosives, blasting, Type G	1.1D	UN 0086	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type H	1.1D	UN 0087	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type I	1.1D	UN 0088	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type J	1.1D	UN 0089	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type K	1.1D	UN 0090	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type L	1.1D	UN 0091	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type M	1.1D	UN 0092	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type N	1.1D	UN 0093	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type O	1.1D	UN 0094	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type P	1.1D	UN 0095	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type Q	1.1D	UN 0096	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type R	1.1D	UN 0097	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type S	1.1D	UN 0098	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type T	1.1D	UN 0099	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type U	1.1D	UN 0100	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type V	1.1D	UN 0101	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type W	1.1D	UN 0102	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type X	1.1D	UN 0103	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type Y	1.1D	UN 0104	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type Z	1.1D	UN 0105	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AA	1.1D	UN 0106	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AB	1.1D	UN 0107	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AC	1.1D	UN 0108	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AD	1.1D	UN 0109	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AE	1.1D	UN 0110	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AF	1.1D	UN 0111	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AG	1.1D	UN 0112	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AH	1.1D	UN 0113	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AI	1.1D	UN 0114	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AJ	1.1D	UN 0115	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AK	1.1D	UN 0116	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AL	1.1D	UN 0117	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AM	1.1D	UN 0118	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AN	1.1D	UN 0119	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AO	1.1D	UN 0120	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AP	1.1D	UN 0121	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AQ	1.1D	UN 0122	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AR	1.1D	UN 0123	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AS	1.1D	UN 0124	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AT	1.1D	UN 0125	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AU	1.1D	UN 0126	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AV	1.1D	UN 0127	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AW	1.1D	UN 0128	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AX	1.1D	UN 0129	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AY	1.1D	UN 0130	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type AZ	1.1D	UN 0131	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BA	1.1D	UN 0132	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BB	1.1D	UN 0133	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BC	1.1D	UN 0134	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BD	1.1D	UN 0135	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BE	1.1D	UN 0136	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BF	1.1D	UN 0137	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BG	1.1D	UN 0138	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BH	1.1D	UN 0139	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BI	1.1D	UN 0140	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BJ	1.1D	UN 0141	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BK	1.1D	UN 0142	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BL	1.1D	UN 0143	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BM	1.1D	UN 0144	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BN	1.1D	UN 0145	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BO	1.1D	UN 0146	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BP	1.1D	UN 0147	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BQ	1.1D	UN 0148	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BR	1.1D	UN 0149	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BS	1.1D	UN 0150	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BT	1.1D	UN 0151	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BU	1.1D	UN 0152	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BV	1.1D	UN 0153	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BW	1.1D	UN 0154	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BX	1.1D	UN 0155	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BY	1.1D	UN 0156	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type BZ	1.1D	UN 0157	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CA	1.1D	UN 0158	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CB	1.1D	UN 0159	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CC	1.1D	UN 0160	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CD	1.1D	UN 0161	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CE	1.1D	UN 0162	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CF	1.1D	UN 0163	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CG	1.1D	UN 0164	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CH	1.1D	UN 0165	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CI	1.1D	UN 0166	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CJ	1.1D	UN 0167	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CK	1.1D	UN 0168	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CL	1.1D	UN 0169	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CM	1.1D	UN 0170	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CN	1.1D	UN 0171	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CO	1.1D	UN 0172	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CP	1.1D	UN 0173	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CQ	1.1D	UN 0174	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CR	1.1D	UN 0175	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CS	1.1D	UN 0176	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CT	1.1D	UN 0177	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CU	1.1D	UN 0178	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CV	1.1D	UN 0179	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CW	1.1D	UN 0180	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CX	1.1D	UN 0181	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CY	1.1D	UN 0182	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type CZ	1.1D	UN 0183	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DA	1.1D	UN 0184	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DB	1.1D	UN 0185	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DC	1.1D	UN 0186	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DD	1.1D	UN 0187	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DE	1.1D	UN 0188	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DF	1.1D	UN 0189	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DG	1.1D	UN 0190	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DH	1.1D	UN 0191	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DI	1.1D	UN 0192	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DJ	1.1D	UN 0193	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DK	1.1D	UN 0194	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DL	1.1D	UN 0195	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DM	1.1D	UN 0196	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DN	1.1D	UN 0197	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DO	1.1D	UN 0198	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DP	1.1D	UN 0199	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DQ	1.1D	UN 0200	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DR	1.1D	UN 0201	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DS	1.1D	UN 0202	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DT	1.1D	UN 0203	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DU	1.1D	UN 0204	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DV	1.1D	UN 0205	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DW	1.1D	UN 0206	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DX	1.1D	UN 0207	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DY	1.1D	UN 0208	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type DZ	1.1D	UN 0209	Explosive (1.1D)	-	-	-	
N	Explosives, blasting, Type EA	1.1D	UN 021					

172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Fluorinated or fluorocarbon, antioxidant treated, moisture content between 3% and 11% by weight, for contents not more than 18% by weight	9	UN 2216	None	III	2	2	
	Fluorinated or fluorocarbon, antioxidant treated, unrestricted moisture content, for contents exceeding 18% by weight	4.2	UN 2216	Spontaneously Combustible	II	1.2	1.2	
	Fluorinated or fluorocarbon, not antioxidant treated, moisture content greater than 6% but not exceeding 12% by weight, for contents not exceeding 15% by weight	4.1	UN 1374	None. Package to be marked 'Class 4.1'	III	1.2	1.2	Double strip stowage recommended. Provide good surface and through ventilation
	Fluorinated or fluorocarbon, not antioxidant treated, moisture content greater than 6% but not exceeding 12% by weight, for contents not exceeding 15% by weight	9	UN 1374	None	III	1.2	1.2	
	Fluorinated or fluorocarbon, not antioxidant treated, unrestricted moisture content, for contents exceeding 15% by weight	4.2	UN 1374	Spontaneously Combustible	II	1.2	1.2	
	Flammable liquid preparation, n.o.s.	3.2	UN 1142	Flammable Liquid	II	1.2	1	
	Flammable liquids, (non-toxic), n.o.s.	3.3	UN 1142	Flammable Liquid	II	1.2	1.2	
	Flammable liquids, (toxic), n.o.s.	3.2	UN 1993	Flammable Liquid	II	1.2	1	
		3.3	UN 1993	Flammable Liquid	II	1.2	1.2	
		3.2	UN 1992	Flammable Liquid, Poison	II	1.2	1	
		3.3	UN 1992	Flammable Liquid, Poison	II	1.2	1.2	
	Flammable solids, n.o.s.	4.1	UN 1325	Flammable Solid	II	1.2	1.2	
N	Flares, aerial	1.3G	UN 0093	Explosive (1.3G)	-	-	-	
N	Flares, surface (other than water-activated flares)	1.3G	UN 0092	Explosive (1.3G)	-	-	-	
	Flax, dry. See Fibres, vegetable, dry							
	Fluoboric acid	8	UN 1775	Corrosive	II	1.2	1.2	
	Fluoric acid. See Hydrofluoric acid, solution							
	Fluorine	2.3	UN 1045	Poison Gas, Oxidizer	-	1	5	Stow 'away from' foodstuffs, organic materials, and living quarters
	Fluorobenzene	3.2	UN 2387	Flammable Liquid	II	1.2	1	
	Fluorophosphoric acid, anhydrous	8	UN 1776	Corrosive	II	1.2	1.2	
	Fluorosulphonic acid	8	UN 1777	Corrosive	I	1	5	Keep dry. Stow 'away from' fluorides
	Fluorotoluenes	3.2	UN 2388	Flammable Liquid	II	1.2	1	
		3.3	UN 2388	Flammable Liquid	II	1.2	1.2	
	Fluosilicic acid	8	UN 1778	Corrosive	II	1.2	1.2	
	Formaldehyde, in solutions	3.3	UN 1196	Flammable Liquid	II	1.2	1.2	Stow 'away from' foodstuffs
	Formaldehyde, solutions flashpoint above 61 degrees C	9	UN 2209	None	III	1.2	1.2	Stow 'away from' foodstuffs
	Formalin. See Formaldehyde							
	Formic acid	8	UN 1779	Corrosive	II	1.2	1.2	Glass carboy in hampers prohibited
N	Fracturing devices, explosive, for oil wells	1.1D	UN 0099	Explosive (1.1D)	-	-	-	
	Fuel, aviation, turbine engine	3.2	UN 1863	Flammable Liquid	II	1.2	1	
	Fumaryl chloride	8	UN 1780	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on passenger vessels
	Fungicides, (poisonous), n.o.s.	6.1	UN 1609	Poison	I/II	1.2	1.2	Stow 'separated from' foodstuffs.
		6.1	UN 1609	St. Andrews Cross	III	1.2	1.2	Stow 'separated from' foodstuffs.
		9	UN 1609	None	III	1.2	1.2	Stow 'away from' foodstuffs
	Furans	3.1	UN 2389	Flammable Liquid	I	1.3	5	Keep cool
	Furfural	3.3	UN 1199	Flammable Liquid	II	1.2	1.2	
	Parfurylamine	3.3	UN 2526	Flammable Liquid	II	1.2	1.2	
	Fuses, igniter, tubular, metal clad	1.4 G	UN 0103	Explosive (1.4G)	-	1.3	1.3	
N	Fuses, instantaneous, non-detonating	1.3G	UN 0101	Explosive (1.3G)	-	-	-	
	Fused oil	3.2	UN 1201	Flammable Liquid	II	1.2	1	
	Fuses, safety	1.4 S	UN 0905	None. Package to be marked '1.4 S'	-	1.3	1.3	
	Fuses, detonating	1.4S	UN 0367	None. Package to be marked '1.4S'	-	1.3	1.3	
	Fuses, detonating	1.4 B	UN 0257	Explosive (1.4B)	-	1.3	1.3	
N	Fuses, detonating	1.1B	UN 0106	Explosive (1.1B)	-	-	-	
N	Fuses, detonating	1.2B	UN 0107	Explosive (1.2B)	-	-	-	
	Fuses, igniting	1.4S	UN 0368	None. Package to be marked '1.4S'	-	1.3	1.3	
N	Fuses, igniting	1.3G	UN 0916	Explosive (1.3G)	-	-	-	
N	Fuses, igniting	1.4G	UN 0317	Explosive (1.4G)	-	-	-	
N	Gaisses, with detonator	1.1B	UN 0225	Explosive (1.1B)	-	-	-	
N	Gaisses, with detonator	1.2B	UN 0268	Explosive (1.2B)	-	-	-	
N	Gaisses, without detonator	1.1D	UN 0042	Explosive (1.1D)	-	-	-	
N	Gaisses, without detonator	1.2D	UN 0283	Explosive (1.2D)	-	-	-	
	Gas cartridges	2.1	UN 2037	Flammable Gas	-	-	-	
	Gas drips, hydrocarbon	3.2	UN 1864	Flammable Liquid	II	1.2	1	
	Gas oil	3.3	UN 1202	Flammable Liquid	II	1.2	1.2	
	Gasohol	3.1	UN 1203	Flammable Liquid	II	1.2	5	
	Germane	2.3	UN 2192	Poison Gas, Flammable Gas	-	1	5	Stow 'away from' living quarters
	Germicides, (poisonous), n.o.s.	6.1	(UN 1601)	Poison	I/II	1.2	1.2	Stow 'separated from' foodstuffs.
		6.1	(UN 1601)	St. Andrews Cross	III	1.2	1.2	Stow 'separated from' foodstuffs.

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
		9	(UN 1601)	None	III	1,2	1,2	Stow 'away from' foodstuffs
	Glyceryl trinitrate, solution up to 1% in alcohol	3.2	UN 1204	Flammable Liquid	II	1,2	1	
	Glycidaldehyde	3.3	UN 2622	Flammable Liquid, Poison	II	1,2	1,2	
N	Grenades, hand or rifle, with bursting charge	1.1D	UN 0284	Explosive (1.1D)	-	-	-	
N	Grenades, hand or rifle, with bursting charge	1.2D	UN 0285	Explosive (1.2D)	-	-	-	
N	Grenades, hand or rifle, with bursting charge	1.1F	UN 0292	Explosive (1.1F)	-	-	-	
N	Grenades, hand or rifle, with bursting charge	1.2F	UN 0293	Explosive (1.2F)	-	-	-	
	Grenades, practice, hand or rifle	1.4 S	UN 0110	None. Package to be marked '1.4 S'	-	1,3	1,3	
N	Grenades, practice, hand or rifle	1.2G	UN 0372	Explosive (1.2G)	-	-	-	
N	Grenades, practice, hand or rifle	1.3G	UN 0318	Explosive (1.3G)	-	-	-	
	Guanidine nitrate	9	UN 1467	None	III	1,2	1,2	Stow 'separated from' nitro compounds, chlorates or acids
N	Guanyl nitrosamino guanylidene hydrazine, containing, by weight, at least 30% water	1.1A	UN 0113	Explosive (1.1A)	-	-	-	
N	Guanyl nitrosamino guanyl tetrazene, containing, by weight, at least 30% water or mixture of alcohol and water	1.1A'	UN 0114	Explosive (1.1A)	-	-	-	
	Gutta percha, solution	3.3	UN 1205	Flammable Liquid	II	1,2	1,2	
	Hafnium metal powder, dry	4.2	UN 2545	Spontaneously Combustible	II	1	5	
	Hafnium metal powder, wet, with not less than 25% water (a visible excess of water must be present)	4.1	UN 1326	Flammable Solid	II	1,2	5	
	Halogenated irritating liquids, n.o.s.	6.1	UN 1610	Poison	I/II	1	5	
	Hay	4.1	UN 1327	None	III	1,2	1,2	Stow 'away from' animal or vegetable oils
	Helium, compressed	2.2	UN 1046	Nonflammable Gas	-	1,2	1,2	
	Helium, liquid	2.2	UN 1963	Nonflammable Gas	-	1,2	1,2	
	Hemp, dry. See Fibres, vegetable, dry							
	Heptane	3.2	UN 1206	Flammable Liquid	II	1,2	1	
	n-Heptane	3.2	UN 2278	Flammable Liquid	II	1,2	1	
	Hexachlorobutadiene	6.1	UN 2279	St. Andrews Cross	III	1,2	1,2	
	Hexadecyl trichlorosilane	8	UN 1781	Corrosive	II	1	1	Keep dry
	Hexadiene	3.1	UN 2458	Flammable Liquid	II	1,3	5	Keep cool
	Hexaethyl tetraphosphate	6.1	UN 1611	Poison	I/II	1,2	5	
	Hexaethyl tetraphosphate and compressed gas mixture	6.1	UN 1611	St. Andrews Cross	III	1,2	5	
		6.1	UN 1612	Poison, Non-flammable Compressed gas	I/II	1	5	Shade from radiant heat. Segregation same as nonflammable gas
		6.1	UN 1612	St. Andrews Cross, Non-flammable Compressed Gas	III	1	5	Shade from radiant heat. Segregation same as for non-flammable gas
	Hexafluoroacetone	2.3	UN 2420	Poison Gas	-	1	5	Stow 'away from' living quarters
	Hexafluoroacetone hydrate	6.1	UN 2552	Poison	II	1,2	1	
	Hexafluorophosphoric acid	8	UN 1782	Corrosive	II	1,2	1,2	
	Hexafluoropropylene	2.2	UN 1858	Nonflammable Gas	-	1,2	1,2	
	Hexaldehyde	3.3	UN 1207	Flammable Liquid	III	1,2	1,2	
	Hexamethylenediamine, solid	8	UN 2280	Corrosive	III	1,3	1,3	Keep cool
	Hexamethylenediamine, solution	8	UN 1783	Corrosive, Poison	II	1,2	1,2	
	3,3,6,6,9,9-Hexamethyl-1,2,4,5-tetroxonane, maximum concentration 52% with inert solid	5.2	UN 2166	Organic Peroxide	II	1	5	
	3,3,6,6,9,9-Hexamethyl-1,2,4,5-tetroxonane, maximum concentration 52% in solution	5.2	UN 2167	Organic Peroxide	II	1	5	
	3,3,6,6,9,9-Hexamethyl-1,2,4,5-tetroxonane, technical pure	5.2	UN 2165	Organic Peroxide	I	1	5	
	Hexamine	4.1	UN 1328	Flammable Solid	III	1,2	1,2	
	Hexane	3.1	UN 1208	Flammable Liquid	II	1,2	5	
N	Hexanitrodiphenylamine	1.1D	UN 0079	Explosive (1.1D)	-	-	-	
N	Hexanitrostilbene	1.1D	UN 0392	Explosive (1.1D)	-	-	-	
	Hexanols	3.3	UN 2282	Flammable Liquid	III	1,2	1,2	
N	Hexastonal, cast	1.1D	UN 0393	Explosive (1.1D)	-	-	-	
	Hex-1-ene	3.1	UN 2370	Flammable Liquid	II	1,3	5	Keep cool
N	Hexolite, dry or containing, by weight, less than 15% water	1.1D	UN 0118	Explosive (1.1D)	-	-	-	
	Hexyl trichlorosilane	8	UN 1784	Corrosive	II	1	1	Keep dry
	Hydrazine, anhydrous and solutions containing less than 36% water, by weight	8	UN 2029	Corrosive, Poison	I	1	5	
	Hydrazine, solutions containing 36% or more water, by weight	8	UN 2030	Corrosive, Poison	II	1,2	5	Under deck not permitted if containing less than 64% water by weight. Stow 'away from' nitric acids and perchloric acids exceeding 50% acid by weight
	Hydrides, (metal), n.o.s.	4.3	UN 1409	Dangerous When Wet	I	1,2	5	
	Hydroiodic acid	8	UN 1787	Corrosive	II	1	1	Glass carboys prohibited on passenger vessels. Stow 'away from' fluorides
	Hydrobromic acid	8	UN 1788	Corrosive	II	1	1	Glass carboys prohibited on passenger vessels. Stow 'away from' fluorides
	Hydrocarbon gases (and mixtures of such gases, compressed), n.o.s.	2.1	UN 1964	Flammable Gas	-	1,2	1	Stow 'away from' living quarters
	Hydrocarbon gases (and mixtures of such gases, liquefied), n.o.s.	2.1	UN 1965	Flammable Gas	-	1,2	1	Stow 'away from' living quarters
	Hydrochloric acid	8	UN 1789	Corrosive	II	1	1	Glass carboys prohibited on passenger vessels. Stow 'away from' fluorides

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Hydrocyanic acid, <i>anhydrous</i> . See Hydrogen cyanide	6.1	UN 1613	Poison	I	1	5	
	Hydrocyanic acid, <i>aqueous solution of not more than 20% of hydrogen cyanide</i>	8	UN 1280	Corrosive	I/II	1	5	Keep cool
	Hydrofluoric acid, <i>solution</i>							
	Hydrofluoric and sulphuric acid, <i>mixture</i> . See Acid mixtures, hydrofluoric and sulphuric							
	Hydrofluosilicic acid. See Fluosilicic acid							
	Hydrogen and methane, <i>mixture</i>	2.1	UN 2024	Flammable Gas	-	1.2	3	Stow 'away from' living quarters
	Hydrogen bromide, <i>anhydrous</i>	2.3	UN 1085	Poison Gas, Corrosive	-	1	5	Stow 'away from' foodstuffs and living quarters
	Hydrogen chloride, <i>anhydrous</i>	2.3	UN 1020	Poison Gas, Corrosive	-	1	5	Stow 'away from' foodstuffs and living quarters
	Hydrogen, <i>compressed</i>	2.1	UN 1009	Flammable Gas	-	1.2	5	Stow 'separated from' chlorine, 'away from' living quarters
	Hydrogen cyanide, <i>anhydrous, stabilized</i>	2.3	UN 1651	Poison Gas, Flammable Gas	-	1	5	Stow 'away from' foodstuffs and living quarters
	Hydrogen cyanide, <i>anhydrous, stabilized, absorbed in a porous inert material</i>	6.1	UN 1684	Poison	I	1	5	Shade from radiant heat
	Hydrogen fluoride, <i>anhydrous</i>	2.3	UN 1082	Poison Gas, Corrosive	-	1	5	Stow 'away from' foodstuffs and living quarters
	Hydrogen iodide, <i>anhydrous</i>	2.3	UN 2197	Poison Gas, Corrosive	-	1	5	Stow 'away from' living quarters
	Hydrogen iodide, <i>solution</i> . See Hydriodic acid							
	Hydrogen, <i>liquid</i>	2.1	UN 1966	Flammable Gas	-	5	5	
	Hydrogen peroxide, <i>concentrations of over 40% up to 60% peroxide</i>	5.1	UN 2014	Oxidizer, Corrosive	II	1	5	Shade from radiant heat. Stow 'away from' powdered metals and 'separated from' permanganates
	Hydrogen peroxide, <i>concentrations of 8% up to 40% peroxide</i>	5.1	UN 2014	Oxidizer	II	1.2	1	Shade from radiant heat. Stow 'away from' powdered metals and 'separated from' permanganates
	Hydrogen peroxide, <i>stabilized, concentrations of over 60% peroxide</i>	5.1	UN 2015	Oxidizer, Corrosive	I	1	5	Permitted only under conditions approved by the Department
	Hydrogen selenide	2.3	UN 2202	Poison Gas, Flammable Gas	-	1	5	Stow 'away from' living quarters
	Hydrogen sulphide	2.1	UN 1053	Flammable Gas, Poison Gas	-	1	5	Stow 'away from' foodstuffs and living quarters
	Hydroxylfluosilicic acid. See Fluosilicic acid							
	1-Hydroxy-1'-hydroperoxy dicyclohexyl peroxide, and mixtures with bis-(1-hydroxy cyclohexyl) peroxide, in a concentration of more than 90% with less than 10% water	5.2	UN 2187	Organic Peroxide	I	1	5	
	1-Hydroxy-1'-hydroperoxy dicyclohexyl peroxide, and mixtures with bis-(1-hydroxy cyclohexyl) peroxide, in a concentration of 90% or less with at least 10% water	5.2	UN 2119	Organic Peroxide	I	1	5	
	1-Hydroxy-1'-hydroperoxy dicyclohexyl peroxide, and mixtures with bis-(1-hydroxy cyclohexyl) peroxide, maximum concentration 72% as a paste or in solution	5.2	UN 2118	Organic Peroxide	I	1	5	
	Hypochlorite, <i>solutions containing more than 5% available chlorine</i>	8	UN 1791	Corrosive	II/III	1.2	1	Glass carboys in hampers prohibited, under deck
N N N	Igniters	1.4 G	UN 0325	Explosive (1.4G)	-	1.3	1.3	
	Igniters	1.1 G	UN 0721	Explosive (1.1G)	-	-	-	
	Igniters	1.2 G	UN 0314	Explosive (1.2G)	-	-	-	
	Igniters	1.3 G	UN 0313	Explosive (1.3G)	-	-	-	
	Inflammable gas for lighters. See Lighters, for cigars and cigarettes, containing inflammable gas							
	Inflammable liquid preparations, <i>n.o.s.</i> See Flammable liquid preparations, <i>n.o.s.</i>							
	Inflammable liquids, (<i>non-toxic</i>), <i>n.o.s.</i> See Flammable liquids, (<i>non-toxic</i>), <i>n.o.s.</i>							
	Inflammable liquids, (<i>toxic</i>), <i>n.o.s.</i> See Flammable liquids, (<i>toxic</i>), <i>n.o.s.</i>							
	Inflammable solids, <i>n.o.s.</i> See Flammable solids, <i>n.o.s.</i>							
	Ink, printers	3.2	UN 2860	Flammable Liquid	II	1.2	1	
		3.3	UN 1210	Flammable Liquid	II	1.2	1.2	
	Insecticide gases, (<i>non-toxic</i>), <i>n.o.s.</i>	2.1	UN 1964	Flammable Gas	-	1.2	1	
		2.2	UN 1968	Nonflammable Gas	-	1.3	1.3	
	Insecticide gases, (<i>toxic</i>), <i>n.o.s.</i>	2.3	UN 1967	Poison Gas	-	1	5	Shade from radiant heat
	Insecticide gases, <i>toxic</i> , <i>n.o.s.</i>	2.3	UN 1967	Poison Gas	-	1	5	Shade from radiant heat
	Insecticides, <i>n.o.s.</i>	6.1	UN 1615	Poison	I/II	1.2	1.2	Stow 'separated from' foodstuffs.
		6.1	UN 1615	St. Andrews Cross	III	1.2	1.2	Stow 'separated from' foodstuffs.
		9	UN 3615	Road	III	1.2	1.2	Stow 'away from' foodstuffs
	Iodine monochloride	8	UN 1792	Corrosive	II	1	5	Keep dry
	Iodine pentafluoride	8.1	UN 2495	Oxidizer, Poison	I	1	5	Keep dry
	2-Iodobutane	3.2	UN 2390	Flammable Liquid	II	1.2	1	
	Iodomethylpropanes	3.2	UN 2391	Flammable Liquid	II	1.2	1	
	Iodopropanes	3.2	UN 2382	Flammable Liquid	II	1.2	1	
		3.3	UN 2392	Flammable Liquid	II	1.2	1.2	
	Iron carbonyl	3.1	UN 1994	Flammable Liquid, Poison	I	1	5	Shade from radiant heat
	Iron chloride. See Ferric chloride							
	Iron oxide, <i>spent</i>	4.2	UN 1376	Spontaneously Combustible	III	1.2	5	
	Iron pentacarbonyl. See Iron carbonyl							

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a)	(b)	(c)
						Cargo vessel	Pass- enger vessel	Other requirements
	Iron sesquichloride. See Ferric chloride							
	Iron sponge, spent. See Iron oxide, spent							
	Iron swarf, e.g. borings, cuttings, drillings, filings, shavings, turnings	4.2	UN 2793	None	-	1,2	1,2	Stow 'away from' living quarters
	Isobutane or isobutane mixtures	2.1	UN 1969	Flammable Gas	-	1,2	1	
	Isobutanol	3.3	UN 1212	Flammable Liquid	II	1,2	1,2	
	Isobutyl acetate	3.2	UN 1215	Flammable Liquid	II	1,2	1	
	Isobutyl acrylate, inhibited	3.3	UN 2527	Flammable Liquid	II	1,2	1,2	
	Isobutyl alcohol. See Isobutanol							
	Isobutyl aldehyde. See Isobutyraldehyde							
	Isobutylamine	3.2	UN 1214	Flammable Liquid	II	1,2	1	
	Isobutylene	2.1	UN 1055	Flammable Gas	-	1,2	1	Stow 'away from' living quarters
	Isobutyl formate	3.2	UN 2393	Flammable Liquid	II	1,2	1	
	Isobutylisobutyrate	3.3	UN 2528	Flammable Liquid	III	1,2	1,2	
	Isobutyl isocyanate	3.2	UN 2484	Flammable Liquid, Poison	II	1	5	Keep cool. Stow 'away from' living quarters and sources of heat
	Isobutyl methacrylate, inhibited	3.3	UN 2283	Flammable Liquid	III	1,2	1,2	
	Isobutyl methyl ketone peroxide, maximum concentration 62% in solution	5.2	UN 2126	Organic Peroxide	I	1	5	
	Isobutyl propionate	3.2	UN 2394	Flammable Liquid	II	1,2	1	
	Isobutyraldehyde	3.1	UN 2045	Flammable Liquid	II	1,3	5	Keep cool
	Isobutyric acid	3.3	UN 2529	Flammable Liquid	III	1,2	1,2	
	Isobutyric anhydride	3.3	UN 2530	Flammable Liquid	III	1,2	1,2	
	Isobutyronitrile	3.2	UN 2284	Flammable Liquid, Poison	II	1,3	5	Keep cool
	Isobutyryl chloride	3.2	UN 2395	Flammable Liquid, Poison	II	1	1	Keep dry. Shade from radiant heat
	Isobutyryl peroxide, maximum concentration 52% in solution	5.2	UN 2182	Organic Peroxide	II	1	5	Maximum transport temperature -20 deg C
	Isocyanates (and solutions), n.o.s.	3.1	UN 2478	Flammable Liquid, Poison	II	1	5	Stow 'away from' living quarters and sources of heat
	Isocyanates (with a boiling point below 300 degrees C and a flashpoint of 23 degrees C or above, and their solutions), n.o.s.	6.1	UN 2206	Poison, Flammable Liquid (only if flashpoint of the substance or solution is below 61 deg C.)	II	1,3	1,3	Shade from radiant heat. Stow 'away from' sources of heat. Segregation same as for flammable liquids if flashpoint below 61 deg C
	Isocyanates (with a boiling point of 300 degrees C and above and their solutions), n.o.s.	9	UN 2207	None	III	1,2	1,2	Stow 'away from' foodstuffs and sources of heat
	Isododecane	3.3	UN 2286	Flammable Liquid	III	1,2	1,2	
	Isodecene	3.1	UN 2287	Flammable Liquid	II	1,3	5	Keep cool
	Isododecane	3.1	UN 2288	Flammable Liquid	II	1,3	5	Keep cool
	Isocyanoyl peroxide, technical pure or in solution	5.2	UN 2128	Organic Peroxide	II	1	5	Maximum transport temperature 0 deg C
	Isocetane	3.1	UN 1216	Flammable Liquid	II	1,2	5	
	Isopentane	3.1	UN 1265	Flammable Liquid	I	1,2	5	
	Isopentenes	3.1	UN 2371	Flammable Liquid	I	1,3	5	Keep cool
	Isophoronediamine	8	UN 2289	Corrosive	III	1,2	1,2	Glass carboys prohibited on passenger vessels
	Isophorone diisocyanate	6.1	UN 2290	Poison	II	1,2	1	
	Isoprene, inhibited	3.1	UN 1218	Flammable Liquid	I	1,3	5	Keep cool
	Isopropadiol	3.2	UN 1219	Flammable Liquid	II	1,2	1	
	Isopropenyl acetate	3.2	UN 2403	Flammable Liquid	II	1,2	1	
	Isopropenylbenzene	3.3	UN 2303	Flammable Liquid	II	1,2	1,2	
	Isopropyl acetate	3.2	UN 1220	Flammable Liquid	II	1,2	1	
	Isopropyl acid phosphate	8	UN 1793	Corrosive	III	1,2	1,2	Glass carboys in hampers prohibited under deck
	Isopropyl alcohol. See Isopropanol							
	Isopropylamine	3.1	UN 1221	Flammable Liquid	I	1,3	5	Keep cool
	Isopropylbenzene	3.3	UN 1918	Flammable Liquid	II	1,2	1,2	
	Isopropyl butyrate	3.3	UN 2405	Flammable Liquid	II	1,2	1,2	
	Isopropyl chloroformate	3.2	UN 2407	Flammable Liquid, Corrosive	II	1,2	1	
	Isopropyl formate	3.2	UN 2408	Flammable Liquid	II	1,2	1	
	Isopropyl isobutyrate	3.2	UN 2406	Flammable Liquid	II	1,2	1	
	Isopropyl isocyanate	3.2	UN 2483	Flammable Liquid, Poison	I	1	5	Keep cool. Stow 'away from' living quarters and sources of heat
	Isopropyl mercaptan	3.1	UN 2703	Flammable Liquid	II	1,3	5	Keep cool and dry. Stow 'away from' food- stuffs and all odor absorbing cargo
		3.2	UN 2703	Flammable Liquid	II	1,3	1	Keep cool and dry. Stow 'away from' food- stuffs and all odor absorbing cargo
	Isopropyl nitrate	3.2	UN 1222	Flammable Liquid	II	1,2	1	
	Isopropyl peroxydicarbonate. See Diisopropyl perdicarbonate							
	Isopropyl propionate	3.2	UN 2409	Flammable Liquid	II	1,2	1	
N	Jet performing guns, charged, all wall, without detonator	1.1D	UN 0124	Explosive (1.1D)	-	-	-	
	Just, dry. See Fibres, vegetable, dry							
	Kapok, dry. See Fibres, vegetable, dry							
	Kerosene	3.3	UN 1223	Flammable Liquid	II	1,2	1,2	
	Ketones, (liquid, non-acetic), n.o.s.	3.3	UN 1224	Flammable Liquid	II	1,2	1	
		3.3	UN 1224	Flammable Liquid	II	1,2	1,2	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Ketones, (liquid, toxic), a.o.s.	3.2	UN 1228	Flammable Liquid, Poison	II	1.2	1	
		3.3	UN 1228	Flammable Liquid, Poison	II	1.2	1.2	
	Krypton, compressed	2.2	UN 3056	Nonflammable Gas	-	1.2	1.2	
	Krypton, liquid	2.2	UN 1970	Nonflammable Gas	-	1	5	
	Lacquer base. See Paints, etc.							
	Lacquer chips. See Nitrocellulose, wetted with, by weight, more than 40% flammable liquids.							
	Lacquers. See Paints, etc.							
	Lauroyl peroxide, technical pure	5.2	UN 2124	Organic Peroxide	II	1	5	
	Lead acetate	6.1	UN 1616	St. Andrews Cross	III	1.2	1.2	
	Lead arsenates	6.1	UN 1617	Poison	II	1.2	1.2	
	Lead arsenites	6.1	UN 1618	Poison	II	1.2	1.2	
N	Lead azide, containing, by weight, at least 20% water or mixture of alcohol and water	1.1A	UN 0129	Explosive (1.1A)	-	-	-	
	Lead compounds, (water soluble), a.o.s.	6.1	UN 2291	St. Andrews Cross	III	1.2	1.2	
	Lead cyanide	6.1	UN 1620	Poison	II	1.2	1.2	Stow 'away from' acids
	Lead dioxide	5.1	UN 1872	Oxidizer	III	1.2	1.2	Stow 'away from' foodstuffs
	Lead dross. See Lead sulphate, containing more than 3% free acid							
	Lead nitrate	5.1	UN 1469	Oxidizer/Poison	II	1.2	1.2	Store 'away from' foodstuffs
	Lead perchlorate	5.1	UN 1470	Oxidizer/Poison	II	1.2	1.2	Stow 'away from' powdered metals and foodstuffs
	Lead peroxide. See Lead dioxide							
N	Lead styphnate, containing, by weight, at least 20% water or mixture of alcohol and water	1.1A	UN 0130	Explosive (1.1A)	-	-	-	
	Lead sulphate, containing more than 3% free acid	8	UN 1794	Corrosive	II	1.2	1.2	
	Life-rafts, inflatable	9	-	-	-	1.2	1.2	
	Lighter fluid, cigar and cigarette	3.2	UN 1225	Flammable Liquid	II	1.2	1	
	Lighters for cigars and cigarettes, etc., containing flammable gas	2.1	UN 1057	Flammable Gas	-	1	1	Stow 'away from' living quarters. Not permitted in nonventilated containers
	Lighters for cigars and cigarettes, etc., containing fuel	3.2	UN 1226	Flammable Liquid	II	1.2	1	
	Lighters, fuel	14.8	UN 0131	None. Package to be marked '1.4 S'	-	1.2	1.2	
	Liquefied non-flammable gases charged with nitrogen, carbon dioxide or air	2.2	UN 0056	Nonflammable Gas	-	1.2	1.2	
	Lithium alkyls	4.2	UN 2445	Spontaneously Combustible	I	1	1	
	Lithium aluminium hydride	4.3	UN 1410	Dangerous When Wet	I	1.2	5	
	Lithium aluminium hydride, etheral	4.3	UN 1411	Dangerous When Wet, Flammable Liquid	I	1	5	
	Lithium amide	4.3	UN 1912	Dangerous When Wet	II	1.2	5	
	Lithium borohydride	4.3	UN 1913	Dangerous When Wet	I	1.2	5	
	Lithium hydride	4.3	UN 1414	Dangerous When Wet	I	1.2	5	
	Lithium hypochlorite, dry, including mixtures containing more than 10% available chlorine (8.8% available oxygen)	5.1	UN 1823	Oxidizer	II	1.2	1.2	
	Lithium, (metal)	4.3	UN 1415	Dangerous When Wet	II	1.2	5	
	Lithium peroxide	5.1	UN 1912	Oxidizer	II	1.2	1.2	Keep dry
	Lithium silico	4.3	UN 1416	Dangerous When Wet	II	1.2	1.2	
	London purple	6.1	UN 1887	Poison	II	1.2	1.2	
	Lye. See Sodium hydroxide							
	Magnesium alloys, containing more than 50% magnesium, pellets, turnings or ribbon	4.3	UN 1999	Flammable Solid	III	1.2	1.2	Stow 'away from' nonflammable gases and poisons
	Magnesium alloys, containing more than 50% magnesium, powder, non-pyrophoric	4.3	UN 1418	Dangerous When Wet	II	1.2	1.2	Stow 'away from' nonflammable gases and poisons
	Magnesium aluminium phosphide	4.3	UN 1429	Dangerous When Wet	I	1	5	
	Magnesium arsenate	6.1	UN 1622	Poison	II	1.2	1.2	
	Magnesium bromate	5.1	UN 1423	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals, 'separated from' ammonium compounds
	Magnesium diamide	4.2	UN 2094	Spontaneously Combustible	II	1	1	
	Magnesium diphenyl	4.2	UN 2005	Spontaneously Combustible	I	1	1	
	Magnesium hydride	4.3	UN 2080	Dangerous When Wet	I	1.2	5	
	Magnesium nitrate	5.1	UN 1476	Oxidizer	III	1.2	1.2	
	Magnesium, pellets, turnings or ribbon	4.1	UN 1869	Flammable Solid	III	1.2	1.2	Stow 'away from' nonflammable gases and poisons
	Magnesium perchlorate	5.1	UN 1475	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals
	Magnesium peroxide	5.1	UN 1476	Oxidizer	II	1.2	1.2	Keep dry
	Magnesium phosphide	4.3	UN 2011	Dangerous When Wet, Poison	I	1	5	
	Magnesium, powder, non-pyrophoric	4.3	UN 1418	Dangerous When Wet	II	1.2	1.2	Stow 'away from' nonflammable gases and poisons
	Maleic anhydride	8	UN 2215	None	III	1.2	1.2	Stow 'away from' foodstuffs
	Maneb, or maneb preparation(s) containing 60% or more maneb	4.2	UN 2210	Spontaneously Combustible	III	1.2	1.2	Stow 'away from' acids, living quarters and foodstuffs
	Manganese ethylene-bis-dithiocarbamate. See Maneb							

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
N	Manganese resinates	4.1	UN 1330	Flammable Solid	III	1,2	1,2	
	Mannitol hexanitrate, containing, by weight, at least 40% water or mixture of alcohol and water	1.1D	UN 0713	Explosive (1.1D)	-	-	-	
N	Matches, fuse	4.1	UN 2298	Flammable Solid	III	1,2	1,2	Keep dry
	Matches, safety	9	UN 2946	None	III	1,2	1,2	
N	Matches, strike anywhere	4.1	UN 1331	Flammable Solid	III	1,2	1	Keep cool
	Matches, wax 'tums'	4.1	UN 1945	Flammable Solid	III	1,2	1	
N	Medicines, n.o.s. to be classified and labeled according to the principle hazardous constituent	-	UN 1851		-	-	-	
	MEKP. See Ethyl methyl ketone peroxide	5.2	UN 2125	Organic Peroxide	I	1	5	Keep cool
N	p-Menthane hydroperoxide, technical pure	3.1	UN 1228	Flammable Liquid	II	1,3	5	
	Mercaptans and mercaptan mixtures, (liquids), n.o.s.	6.1	UN 1623	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercuric acetate. See Mercury acetate	6.1	UN 1624	Poison	II	1,2	1,2	
N	Mercuric arsenate	6.1	UN 1625	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercuric bromide. See Mercury bromides	6.1	UN 1626	Poison	II	1,2	1,2	
N	Mercuric chloride	6.1	UN 1627	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercuric cyanide. See Mercury cyanide	6.1	UN 1628	Poison	II	1,2	1,2	
N	Mercuric nitrate	6.1	UN 1629	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercuric oxycyanide. See Mercury oxycyanide	6.1	UN 1630	Poison	II	1,2	1,2	
N	Mercuric potassium cyanide	6.1	UN 1631	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercuric sulphate	6.1	UN 1632	Poison	II	1,2	1,2	
N	Mercuric telluride. See Mercury telluride	6.1	UN 1633	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercurous acetate. See Mercury acetate	6.1	UN 1634	Poison	II	1,2	1,2	
N	Mercurous bromide. See Mercury bromides	6.1	UN 1635	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercurous nitrate. See Mercury acetate	6.1	UN 1636	Poison	II	1,2	1,2	
N	Mercurous sulphate	6.1	UN 1637	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercury acetate	6.1	UN 1638	Poison	II	1,2	1,2	
N	Mercury ammonium chloride	6.1	UN 1639	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercury benzoate	6.1	UN 1640	Poison	II	1,2	1,2	
N	Mercury bisulphate	6.1	UN 1641	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercury bromides	6.1	UN 1642	Poison	II	1,2	1,2	
N	Mercury compounds, (inorganic), n.o.s.	6.1	UN 1643	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercury compounds, (organic), n.o.s.	6.1	UN 1644	Poison	II	1,2	1,2	
N	Mercury cyanide	6.1	UN 1645	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercury fulminate, containing, by weight, at least 20% water or mixture of alcohol and water	1.1A	UN 0135	Explosive (1.1A)	-	-	-	
N	Mercury gluconate	6.1	UN 1646	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercury iodide	6.1	UN 1647	Poison	II	1,2	1,2	
N	Mercury nucleate	6.1	UN 1648	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercury oleate	6.1	UN 1649	Poison	II	1,2	1,2	
N	Mercury oxide	6.1	UN 1650	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercury oxycyanide	6.1	UN 1651	Poison	II	1,2	1,2	
N	Mercury potassium iodide	6.1	UN 1652	Poison	II	1,2	1,2	Stow 'away from' acids
	Mercury silicoflate	6.1	UN 1653	Poison	II	1,2	1,2	
N	Mercury thiocyanate	6.1	UN 1654	Poison	II	1,2	1,2	Stow 'away from' acids
	Mesityl oxide	3.3	UN 1655	Flammable Liquid	II	1,2	1,2	
N	Metal alkyls, n.o.s.	4.2	UN 2000	Spontaneously Combustible	I	1	5	Shade from radiant heat. Stow 'separated' from flammable liquids or gases, oxidizers or organic peroxides
	Metaldehyde	4.8	UN 1332	Flammable Solid	III	1,2	1,2	
N	Methacrylonitrile	2.2	UN 2286	Flammable Liquid, Poison	II	1,2	5	Keep cool
	Methacrylic acid, inhibited	2	UN 2531	Corrosive	II	1	1	
N	Methyl alcohol	3.3	UN 2694	Flammable Liquid	II	1,2	1,2	Stow 'away from' living quarters
	Methane or natural gas with a high methane content, compressed	2.1	UN 1971	Flammable Gas	-	1,2	5	
N	Methane or natural gas with a high methane content, refrigerated liquid	2.1	UN 1972	Flammable Gas	-	1	5	Stow 'away from' living quarters
	Methanol	3.2	UN 1230	Flammable Liquid, Poison	II	1,2	1	
N	Methoxymethyl isocyanate	3.2	UN 2695	Flammable Liquid, Poison	I	1	5	Keep cool. Stow 'away from' living quarters and sources of heat
	4-Methoxy-4-methylpentane-2-one	3.3	UN 2299	Flammable Liquid	III	1,2	1,2	
N	Methyl acetate	3.2	UN 1231	Flammable Liquid	II	1,2	1	Stow 'away from' living quarters
	Methyl acetone	3.2	UN 1232	Flammable Liquid	II	1,2	1	
N	Methyl acetylene, mixed with 15% to 20% propadiene	2.1	UN 1080	Flammable Gas	-	1,2	1	Stow 'away from' living quarters
	beta-Methyl acrolein. See Crotonaldehyde, inhibited	3.2	UN 1919	Flammable Liquid	II	1,2	1	
N	Methyl acrylate, inhibited	3.1	UN 1234	Flammable Liquid	II	1,3	5	Keep cool
	Methylal	3.1	UN 1234	Flammable Liquid	II	1,3	5	
N	Methyl alcohol. See Methanol	3.1	UN 2554	Flammable Liquid	II	1,3	5	Keep cool
	Methyl allyl chloride	4.2	UN 1926	Spontaneously Combustible	I	1	1	
N	Methyl aluminium sesquibromide	4.2	UN 1926	Spontaneously Combustible	I	1	1	Keep cool

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Name and Synonyms	(2) Hazardous Materials Description and Proper Shipping Name	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Methyl aluminium isopropylchloride	4.2	UN 1927	Spontaneously Combustible	I	1	1	
	Methylamine, anhydrous	2.1	UN 1061	Flammable Gas	—	1.2	5	
	Methylamine, aqueous solution	3.1	UN 1235	Flammable Liquid	II	1.3	5	Keep cool. Stow 'away from' mercury and its compounds
	Methylamyl acetate	3.3	UN 1233	Flammable Liquid	III	1.2	1.2	
	Methyl amyl ketone. <i>See</i> Amyl methyl ketone							
	N-Methylaniline	6.1	UN 2294	St. Andrews Cross	III	1.2	1.2	
	Methyl bromide	2.3	UN 1062	Poison Gas	—	1	5	
	Methyl bromide and chloropicrin, mixtures. <i>See</i> Chloropicrin and methyl bromide, mixtures							
	Methyl bromide and ethylene dibromide, liquid mixtures	6.1	UN 1647	Poison	I	1	1	
	2-Methyl-1,3-butadiene. <i>See</i> Isoprene							
	3-Methyl buten-3-one	3.2	UN 1397	Flammable Liquid	II	1.2	1	
	2-Methyl-1-butene	3.1	UN 2459	Flammable Liquid	I	1.3	5	Keep cool
	2-Methyl-2-butene	3.1	UN 2460	Flammable Liquid	II	1.3	5	Keep cool
	Methyl-tert-butyl ether	3.2	UN 2398	Flammable Liquid	II	1.2	1	
	Methyl butyrate	3.2	UN 1237	Flammable Liquid	II	1.2	1	
	Methyl chloride	2.1	UN 1063	Flammable Gas	—	1.2	5	Stow 'away from' living quarters
	Methyl chloride and chloropicrin, mixtures. <i>See</i> Chloropicrin and methyl chloride, mixtures							
	Methyl chloride and methylene chloride, mixtures	2.1	UN 1912	Flammable Gas	—	1.2	5	
	Methyl chloroacetate	3.3	UN 2295	Flammable Liquid	II	1.2	1.2	
	Methyl chloroacetate. <i>See</i> Methyl chloroformate							
	Methyl chloroformate	3.2	UN 1238	Flammable Liquid, Poison, Corrosive	I	1.2	1	
	Methylchloromethyl ether	3.1	UN 1239	Flammable Liquid	II	1	5	Keep cool
	Methyl chlorosulfate	3.2	UN 2534	Flammable Liquid, Corrosive	I	1.2	1	
	Methyl cyanide	6.1	UN 1648	Poison, Flammable Liquid	II	1	5	Shade from radiant heat. Segregation as for flammable liquids
	Methyl cyclohexane	3.2	UN 2296	Flammable Liquid	II	1.2	1	
	Methyl cyclohexanol	3.3	UN 2617	Flammable Liquid	III	1.2	1.2	
	Methyl cyclohexanone	3.3	UN 2297	Flammable Liquid	III	1.2	1.2	
	Methyl cyclopentane	3.1	UN 2298	Flammable Liquid	II	1.2	5	
	Methyl dichloroacetate	6.1	UN 2299	St. Andrews Cross	III	1.2	1.2	
	Methyldichlorosulfate	3.2	UN 1242	Flammable Liquid, Corrosive	I	1.2	1	
	Methylene bis (phenylene isocyanate). <i>See</i> Diphenylmethane diisocyanate							
	Methylene chloride. <i>See</i> Dichloromethane							
	Methyl ethyl ether. <i>See</i> Ethyl methyl ether							
	Methyl ethyl ketone peroxide(s). <i>See</i> Ethyl methyl ketone peroxide							
	Methyl ethyl ketone. <i>See</i> Ethyl methyl ketone							
	2-Methyl-5-ethylpyridine	6.1	UN 2300	St. Andrews Cross	III	1.2	1.2	
	Methyl formate	3.1	UN 1243	Flammable Liquid	I	1.3	5	Keep cool
	2-Methylfuran	3.1	UN 2301	Flammable Liquid	II	1.3	5	Keep cool
	5-Methylhexan-2-one	3.3	UN 2302	Flammable Liquid	III	1.2	1.2	
	Methylhydrazine	3.2	UN 1244	Flammable Liquid, Corrosive	I	1.2	1	
	Methyl isobutyl carbinol	3.3	UN 2053	Flammable Liquid	III	1.2	1.2	
	Methyl isobutyl ketone	3.2	UN 1245	Flammable Liquid	II	1.2	1	
	Methyl isocyanate and solutions	3.1	UN 2480	Flammable Liquid, Poison	I	1	5	Stow 'away from' living quarters and sources of heat
	Methyl isocyanate (and solutions)	3.2	UN 2480	Flammable Liquid, Poison	I	1	5	Keep cool. Stow 'away from' living quarters and sources of heat
	Methyl isopropenyl ketone, inhibited	3.2	UN 1246	Flammable Liquid	II	1.2	1	
	Methyl isothiocyanate	3.2	UN 2477	Flammable Liquid, Poison	II	1	5	Keep cool. Stow 'away from' living quarters and sources of heat
	Methylisovalerate	3.2	UN 2400	Flammable Liquid	II	1.2	1	
	Methyl magnesium bromide, in ethyl ether	4.2	UN 1928	Spontaneously Combustible	I	1	5	
	Methylmercaptan	2.1	UN 1064	Flammable Gas	—	1.2	1	Stow 'away from' living quarters
	Methyl methacrylate, monomer, inhibited	3.2	UN 1247	Flammable Liquid	II	1.2	1	
	Methylmorpholine	3.3	UN 2535	Flammable Liquid, Corrosive	II	1.2	1.2	
	Methyl orthosilicate	3.2	UN 2606	Flammable Liquid, Poison	I	1.3	5	Keep cool
	Methylpentadecene	3.1	UN 2461	Flammable Liquid	II	1.3	5	Keep cool
	Methylpentenes	3.1	UN 2462	Flammable Liquid	II	1.3	5	Keep cool
	Methylphenyldichlorosulfate	8	UN 2437	Corrosive	II	1	1	Keep dry. Segregation same as for flammable liquids
	1-Methylpiperidine	3.2	UN 2399	Flammable Liquid	II	1.2	1	
	Methyl propionate	3.2	UN 1248	Flammable Liquid	II	1.2	1	
	Methyl propyl ether	3.1	UN 2612	Flammable Liquid	II	1.3	5	Keep cool
	Methyl propyl ketone	3.2	UN 1249	Flammable Liquid	II	1.2	1	
	Methyl sulphide. <i>See</i> Dimethyl sulfide							

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Name	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Methyltetrahydrofuran	3.2	UN 2536	Flammable Liquid	II	1.2	1	
	Methyl trichloroacetate	6.1	UN 2533	St. Andrews Cross	III	1.2	1	
	Methyltrichlorosilane	3.2	UN 1250	Flammable Liquid, Corrosive	II	1.2	1	
	alpha-Methyl valeraldehyde	3.3	UN 2367	Flammable Liquid	III	1.2	1.2	
	Methyl vinyl ketone	3.2	UN 1251	Flammable Liquid	II	1.2	1	
N	Mines, with burning charge	1.1D	UN 0137	Explosive (1.1D)	-	-	-	
N	Mines, with burning charge	1.2D	UN 0138	Explosive (1.2D)	-	-	-	
N	Mines, with burning charge	1.5F	UN 0436	Explosive (1.5F)	-	-	-	
N	Mines, with burning charge	1.2F	UN 0294	Explosive (1.2F)	-	-	-	
	Mischmetal, powder	4.2	UN 1335	Flammable Solid	II	1.2	5	Stow 'separated from' flammable substances and oxidizers
	Mischmetal, slabs or ingots	4.2	UN 1335	Flammable Solid	III	1.2	1.2	Stow 'separated from' flammable substances and oxidizers
	Mixed acid. See Acid mixtures, nitroding acid							
	Mixed acid, spent. See Acid mixtures, spent							
	Molybdenum pentachloride	6	UN 2308	Corrosive	III	1	1	Keep dry. Open carbonyl prohibited on pas- senger vessels
	Monochlorodifluoromethane. See Chlorodifluoromethane							
	Monochloropentafluoroethane. See Chloropentafluoroethane							
	Monochlorotetrafluoroethane. See Chlorotetrafluoroethane							
	Monochlorotrifluoromethane. See Chlorotrifluoromethane							
	Monoethanolamine. See Ethanolamine and solutions thereof							
	Monoethylamine. See Ethylamine							
	Monomethylamine, anhydrous. See Methylamine, anhydrous							
	Monomethylamine, aqueous solution. See Methylamine, aqueous solu- tion							
	Monopropylamine	3.1	UN 1277	Flammable Liquid	II	1.2	5	
	Morpholine	3.3	UN 2054	Flammable Liquid	II	1.2	1.2	
	Motor fuel anti-knock mixtures	6.1	UN 1649	Poison	I	1	5	If flashpoint below 61 deg C segregation same as for flammable liquids
	Motor fuel, n.o.s.	3.1	(UN 1203)	Flammable Liquid	II	1.2	5	
	Motor spirit. See Gasoline							
	Muriatic acid. See Hydrochloric acid							
	Naphtha distillate	3.2	(UN 1260)	Flammable Liquid	II	1.2	1	
	Naphthalene, crude or refined	4.1	UN 1334	Flammable Solid	III	1.2	1.2	
	Naphtha, petroleum	3.2	UN 1259	Flammable Liquid	II	1.2	1	
	Naphtha, solvent	3.2	UN 1259	Flammable Liquid	II	1.2	1	
	Naphthylamine (beta)	6.1	UN 2097	St. Andrews Cross	III	1.2	1.2	
	Naphthylamine (beta)	6.1	UN 1630	Poison	II	1.2	1.2	
	alpha-Naphthylthiourea	6.1	UN 1651	Poison	II	1.2	1.2	
	Naphthylurea	6.1	UN 1652	Poison	II	1.2	1.2	
	Naphthalene, molten	4.2	UN 2096	Flammable Solid	III	1	1	Protect from sparks and open flame
	Natural gas with a high methane content. See Methane or natural gas, etc.							
	Natural gasoline. See Gasoline							
	N, N-Dimethylcyclohexylamine	8	UN 2064	Corrosive	II	1.2	1.2	Keep cool. Segregation same as for flamma- ble liquids
	Neohexane. See Dimethyl butane							
	Neon, compressed	2.2	UN 1065	Nonflammable Gas	-	1.2	1.2	
	Neon, liquid	2.2	UN 1065	Nonflammable Gas	-	1	5	
	Nickel carbonyl	3.1	UN 1239	Flammable Liquid, Poison	I	1	5	Keep cool. Prohibited on any ship carrying explosives
	Nickel catalyst, finely divided, activated or spent, wetted with not less than 40% of water or other suitable liquid	4.2	UN 2095	Spontaneously Combustible	II	1.2	1	
	Nickel cyanide	6.1	UN 1636	Poison	II	1.2	1.2	
	Nicotine	6.1	UN 1636	Poison	II	1.2	1.2	
	Nicotine, (compounds and preparations), n.o.s.	6.1	UN 1636	Poison	I/II	1.2	1.2	
	Nicotine hydrochloride, and solutions	6.1	UN 1636	Poison	III	1.2	1.2	
	Nicotine salicylate	6.1	UN 1636	Poison	II	1.2	1.2	
	Nicotine sulphate, solid or solution	6.1	UN 1636	Poison	II	1.2	1.2	
	Nicotine tartrate	6.1	UN 1636	Poison	II	1.2	1.2	
	Nitrate of soda and potash, mixture. See Sodium nitrate and potash, mixture							
	Nitrate, (inorganic), n.o.s.	5.1	UN 1477	Oxidizer	II	1.2	1.2	
	Nitrating acid. See Acid mixtures, nitrating acid							
N	Nitric acid, other than self-heating, all concentrations	8	UN 2031	Corrosive	I/II	-	-	
N	Nitric acid, red fuming	8	UN 2032	Corrosive, Oxidizer	I	-	-	
	Nitric oxide	2.3	UN 1460	Poison Gas, Oxidizer	-	1	5	Stow 'away from' foodstuffs and living quar- ters
	Nitric oxide and nitrogen tetroxide, mixture	2.3	UN 1472	Poison Gas, Oxidizer	-	1	5	Stow 'away from' foodstuffs, organic materi- als and living quarters
	Nitronilines (o, m, p-)	6.1	UN 1661	Poison	II	1.2	1.2	
	Nitrobenzene	6.1	UN 1462	Poison	II	1.2	1.2	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
N	Nitrobenzenesulphonic acid	4.	UN 2305	Corrosive	II	1,2	1,2	
	Nitrobenzol. See Nitrobenzene							
	5-Nitrobenzotriazole	1.1D	UN 0385	Explosive (1.1D)	-	-	-	
	Nitrobenzotrifluoride	4.1	UN 2306	Poison	II	1,2	1,2	
	Nitrocellulose, containing at least 25% alcohol, by weight, and not exceeding 12.6% nitrogen by dry weight	4.1	UN 2556	Flammable Solid	I	1	5	Shade from radiant heat, keep away from heat and open flame
	Nitrocellulose, containing at least 25% by weight, water	4.1	UN 2559	Flammable Solid	II	1	5	Shade from radiant heat. Keep away from heat and open flame
	Nitrocellulose, containing at least 18% plasticizing substance, by weight, and not exceeding 12.6% nitrogen by dry weight	4.1	UN 2557	Flammable Solid	I	1	1	Shade from radiant heat. Keep away from heat and open flame
	Nitrocellulose, in solution in flammable liquids	3.2	UN 2039	Flammable Liquid	II	1,2	1	
		3.3	UN 2060	Flammable Liquid	II	1,2	1,2	
	Nitrocellulose, wetted with, by weight, more than 40% flammable liquids	3.2	(UN 2556)	Flammable Liquid	II	1,2	1	
N		3.3	(UN 2556)	Flammable Liquid	II	1,2	1,2	
	Nitrocellulose with less than 25% alcohol, by weight	1.1D	UN 0340	Explosive (1.1D)	-	-	-	
	Nitrocellulose with less than 18% plasticizing substance, by weight	1.1D	UN 0341	Explosive (1.1D)	-	-	-	
	Nitrocellulose with less than 25% water, by weight	1.1D	UN 0340	Explosive (1.1D)	-	-	-	
	Nitrocellulose with not less than 25% alcohol, by weight	1.3C	UN 0342	Explosive (1.3C)	-	-	-	
	Nitrocellulose with not less than 18% plasticizing substance, by weight	1.3C	UN 0343	Explosive (1.3C)	-	-	-	
	3-Nitro-4-chlorobenzotrifluoride	6.1	UN 2307	Poison	II	1,2	1,2	
	Nitrocreosol	6.1	UN 2446	Poison	III	1,2	1,2	
	Nitrogen, compressed	2.2	UN 1066	Nonflammable Gas	-	1,2	1,2	
	Nitrogen dioxide	2.3	UN 1067	Poison Gas, Oxidizer	-	1	5	Stow 'away from' foodstuffs, organic materials and living quarters
N	Nitrogen, liquid	2.2	UN 1977	Nonflammable Gas	-	1	5	
	Nitrogen tetroxide. See Nitrogen dioxide							
	Nitrogen trifluoride	2.3	UN 2451	Poison Gas	-	1	5	Stow 'away from' living quarters and organic materials
	Nitrogen trioxide	2.3	UN 2421	Poison Gas	-	1	5	Stow 'away from' living quarters and readily combustible substances
	Nitroglycerine, denatured, containing, by weight, at least 40% non-volatile water-insoluble phlegmatizer	1.1D	UN 0143	Explosive (1.1D), Poison	-	-	-	
	Nitroglycerine, spirit of, containing more than 1% but not more than 10% nitroglycerine in solution in alcohol	1.1D	UN 0144	Explosive (1.1D)	-	-	-	
	Nitroglycerine solution, up to 1% in alcohol. See Glyceryl trinitrate, solution							
	Nitroguanidine, dry or containing, by weight, less than 20% water	1.1D	UN 0282	Explosive (1.1D)	-	-	-	
	Nitroguanidine, wetted with not less than 20% of water	4.1	UN 1336	Flammable Solid	I	1,2	5	
	Nitrohydrochloric acid	8	UN 1798	Corrosive	I	1	5	Stow 'away from' fluorides
N	Nitromethane	3.3	UN 1261	Flammable Liquid	II	1,2	1,2	
	Nitromeriacic acid. See Nitrohydrochloric acid							
	Nitronaphthalene	4.1	UN 2538	Flammable Solid	III	1,2	1,2	
	Nitrophenols (o-, m-, p-)	6.1	UN 1463	St. Andrews Cross	III	1,2	1,2	
	Nitropropane	3.3	UN 2608	Flammable Liquid	III	1,2	1,2	
	p-Nitrosodimethylaniline	4.2	UN 1369	Spontaneously Combustible	II	1,2	5	Stow 'away from' foodstuffs
	Nitrostarch, dry or containing, by weight, less than 20% water	1.1D	UN 0146	Explosive (1.1D)	-	-	-	
	Nitrostarch, wetted with not less than 20% of water	4.1	UN 1337	Flammable Solid	I	1	5	
	Nitrotyl chloride	2.3	UN 1069	Poison Gas, Corrosive	-	1	5	Stow 'away from' foodstuffs and living quarters
	Nitrotylsulphuric acid	8	UN 2308	Corrosive	II	1	5	Stow 'away from' organic materials
N	Nitrotoluenes (o-, m-, p-)	6.1	UN 1464	Poison	II	1,2	1,2	
	Nitro urea	1.1D	UN 0147	Explosive (1.1D)	-	-	-	
	Nitrous oxide	2.2	UN 1070	Nonflammable Gas, Oxidizer	-	1,2	1,2	
	Nitroxylene (o-, m-, p-)	6.1	UN 1465	Poison	II	1,2	1,2	
	Nonane	3.3	UN 1920	Flammable Liquid	II	1,2	1,2	
	n-Nonanoyl peroxide, technical pure	5.2	UN 2130	Organic Peroxide	II	1	5	Maximum transport temperature 0 deg C
	Nonyl trichlorosilane	8	UN 1799	Corrosive	II	1	1	Keep dry
	Octadecyl trichlorosilane	8	UN 1800	Corrosive	II	1	1	Keep dry
	Octadecene	3.2	UN 2309	Flammable Liquid	III	1,2	1	
	Octafluorocyclobutane	2.2	UN 1976	Nonflammable Gas	-	1,2	1,2	
N	Octane and its isomers	3.2	UN 1262	Flammable Liquid	II	1,2	1	
	n-Octanoyl peroxide, technical pure	5.2	UN 2129	Organic Peroxide	II	1	5	Maximum transport temperature 10 deg C
	Octolite, dry or containing, by weight, less than 15% water	1.1D	UN 0246	Explosive (1.1D)	-	-	-	
	Octyl trichlorosilane	8	UN 1801	Corrosive	II	1	1	Keep dry
	Oil gas	2.1	UN 1071	Flammable Gas, Poison Gas	-	1	5	Stow 'away from' living quarters
	Olcum. See Sulphuric acid, fuming							
	Organic peroxides, mixture (this description must be supplemented with the name of the primary constituent of the mixture)	5.2	UN 2756	Organic Peroxide	I/II	1	5	
	Organic peroxides, s.o.s.	5.2	UN 2255	Organic Peroxide	I/II	1	5	
	Organophosphates, (phosphorus), s.o.s.	6.1	UN 1893	Poison	I/II	1,2	1,2	
	Osmium tetroxide	6.1	UN 1893	St. Andrews Cross	III	1,2	1,2	
		6.1	UN 2471	Poison	I	1,2	1	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Oxalates, water soluble	6.1	UN 2449	St. Andrews Cross	III	1,2	1,2	
	Oxidizing substances, n.o.s.	5.1	UN 1479	Oxidizer	II	1,2	1,2	
	Oxygen and carbon dioxide, mixtures. See Carbon dioxide and oxygen mixtures							
	Oxygen, compressed	2.2	UN 1072	Nonflammable Gas, Oxidizer	-	1,2	1,2	
	Oxygen difluoride	2.3	UN 2190	Poison Gas	-	1	5	Keep dry. Stow 'away from' living quarters and readily combustible substances
	Oxygen, liquid	2.2	UN 1073	Nonflammable Gas, Oxidizer	-	1	5	Stow 'separated from' acetylene. Do not overfill
	Paint, enamel, lacquer, stain, shellac, varnish, polish, filler (liquid), lacquer base and thinner (not including substances containing nitrocellulose for which See Nitrocellulose)	3.2	UN 1263	Flammable Liquid	II/III	1,2	1	
		3.3	UN 1263	Flammable Liquid	II/III	1,2	1,2	
	Paper, treated with unsaturated oils, incompletely dried	4.2	UN 1379	Spontaneously Combustible	III	1,2	1,2	
	Paraformaldehyde	4.1	UN 2213	None. Package to be marked 'Class 4.1'	III	1,2	1,2	
	Paraldehyde	3.3	UN 1264	Flammable Liquid	III	1,2	1,2	
	Parathion, and mixtures, solid, liquid or under compressed gas	6.1	UN 1668	Poison	I/II	1,2	1,2	Shade cylinders from radiant heat
		6.1	UN 1668	St. Andrews Cross	III	1,2	1,2	Shade cylinders from radiant heat
	Pentaborane	4.2	UN 1380	Spontaneously Combustible	I	1	5	
	Pentachloroethane	6.1	UN 1669	Poison	II	1,2	1,2	
N	Pentacrythric tetramitate, containing, by weight, at least 25% water or at least 15% phlegmatizer	1.1D	UN 0130	Explosive (1.1D)	-	-	-	
	Pentane	3.1	UN 1265	Flammable Liquid	I	1,2	5	
	2,4-Pentanedione	3.3	UN 2310	Flammable Liquid	III	1,2	1,2	
N	Pentoxide, dry or containing, by weight, less than 15% water	1.1D	UN 0151	Explosive (1.1D)	-	-	-	
	Persulfuric acid, maximum concentration, 43% in oleic acid or in a mixture of oleic acid and water, with in either case not more than 6% hydrogen peroxide and not more than 1% sulphuric acid	5.2	UN 2131	Organic Peroxide, Corrosive	I	1	5	
	Perborates, (inorganic), n.o.s.	5.1	UN 1480	Oxidizer	II	1,2	1,2	
	Perchlorates, (inorganic), n.o.s.	5.1	UN 1481	Oxidizer	II	1,3	1,3	Stow 'away from' powdered metals
	Perchloric acid, not exceeding 50%, by weight, of acid	8	UN 1802	Corrosive, Oxidizer	II	1	1	Stow 'away from' hydrazine
	Perchloric acid, over 50% and not exceeding 72% of acid	5.1	UN 1973	Oxidizer, Corrosive	I	1	5	
	Perchloroethylene. See Tetrachloroethylene							
	Perchloromethyl-mercaptan	6.1	UN 1670	Poison	I	1	5	
	Perchloryl fluoride	2.3	(UN 1953)	Poison Gas	-	1	5	Stow 'away from' living quarters and readily combustible substances
	Perfumery products, flammable liquid	3.2	UN 1266	Flammable Liquid	II	1,2	1	
		3.3	UN 1266	Flammable Liquid	II	1,2	1,2	
	Perngates, (inorganic), n.o.s.	5.1	UN 1482	Oxidizer	II	1,2	1,2	Stow 'separated from' ammonium compounds, hydrogen peroxide and strong liquid acids
	Peroxides, (metallic), n.o.s.	5.1	UN 1483	Oxidizer	II	1,2	1,2	
	Pesticides, (high hazard, solid or liquid), n.o.s.	6.1	UN 2388	Poison	I/II	1,2	1,2	Stow 'separated from' foodstuffs
		6.1	UN 2388	St. Andrews Cross	III	1,2	1,2	Stow 'away from' foodstuffs
	Pesticides, (liquid, non-toxic), n.o.s.	3.2	UN 1996	Flammable Liquid	II	1,2	1	
		3.3	UN 1996	Flammable Liquid	II	1,2	1,2	
	Pesticides, (liquid, toxic), n.o.s.	3.2	UN 1995	Flammable Liquid, Poison	II	1,2	1	
		3.3	UN 1995	Flammable Liquid, Poison	II	1,2	1,2	
	Pesticides, (low hazard, solid or liquid), n.o.s.	9	-	None	III	1,2	1,2	Stow 'away from' foodstuffs
	Petroleum crude oil	3.1	UN 1267	Flammable Liquid	II	1,2	5	
		3.2	UN 1267	Flammable Liquid	II	1,2	1	
		3.3	UN 1267	Flammable Liquid	II	1,2	1,2	
	Petroleum distillates, n.o.s.	3.1	UN 1268	Flammable Liquid	II	1,2	5	
		3.2	UN 1268	Flammable Liquid	II	1,2	1	
		3.3	UN 1268	Flammable Liquid	II	1,2	1,2	
	Petroleum ether. See Petroleum spirit							
	Petroleum gases, liquefied	2.1	UN 1075	Flammable Gas	-	1,2	1	Stow 'away from' living quarters
	Petroleum oil	3.1	UN 1270	Flammable Liquid	II	1,2	5	
		3.2	UN 1270	Flammable Liquid	II	1,2	1	
		3.3	UN 1270	Flammable Liquid	II	1,2	1,2	
	Petroleum spirit	3.1	UN 1271	Flammable Liquid	II	1,2	5	
		3.2	UN 1271	Flammable Liquid	II	1,2	1	
		3.3	UN 1271	Flammable Liquid	II	1,2	1,2	
	Petrol. See Gasoline							
	Phenolates	6.1	UN 2311	St. Andrews Cross	III	1,2	1,2	
	Phenol	6.1	UN 1671	Poison	II	1,2	1,2	
	Phenolsulphonic acid, liquid	8	UN 1803	Corrosive	II	1,2	1	Metal drums only under deck
	Phenylacetonitrile. See Benzyl cyanide, liquid							
	Phenylacetylene chloride	6.1	UN 1672	Poison	I	1	5	
	Phenylendiamines (o-, m-, p-)	6.1	UN 1673	St. Andrews Cross	III	1,2	1,2	
	Phenylhydrazine	6.1	UN 2372	Poison	II	1,2	1,2	
	Phenyl isocyanate	6.1	UN 2487	Poison	II	1	5	Shade from radiant heat
	Phenyl mercaptan	3.2	UN 2337	Flammable Liquid, Poison	II	1,2	1	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Ident- ification Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Phenylmercuric acetate	6.1	UN 1674	Poison	II	1,2	1,2	
	Phenylmercuric compounds, n.o.s.	6.1	UN 2826	Poison	I/II	1,2	1,2	
	Phenylmercuric hydrosulfide	6.1	UN 2826	Poison	III	1,2	1,2	
	Phenylmercuric nitrate	6.1	UN 1894	Poison	II	1,2	1,2	
	Phenyl trichlorostannate	4	UN 1893	Poison	II	1,2	1,2	
	Phosgene	2.3	UN 1076	Corrosive	II	1	1	Keep dry
	Phosphine	2.3	UN 1076	Poison Gas, Corrosive	II	1	5	Stow 'away from' living quarters
	o-Phosphoric acid, liquid	8	UN 2199	Poison Gas, Flammable Gas	II	1	5	Stow 'away from' living quarters
	o-Phosphoric acid, solid	8	UN 2199	Corrosive	III	1,2	1,2	Glass carboys in hampers prohibited under deck. Keep dry
	Phosphoric anhydride. See Phosphorus pentoxide							
	Phosphorus bromide. See Phosphorus trichloride							
	Phosphorus chloride. See Phosphorus trichloride							
	Phosphorus, amorphous	4.1	UN 1338	Flammable Solid	III	1,2	1,2	
	Phosphorus heptasulfide, free from yellow or white phosphorus	4.1	UN 1338	Flammable Solid	II	1,2	1	Stow 'separated from' oxidizing substances
	Phosphorus oxybromide	8	UN 1806	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on passenger vessels
	Phosphorus oxychloride. See Phosphoryl chloride							
	Phosphorus pentachloride	8	UN 1806	Corrosive	II	1	1	Keep dry
	Phosphorus pentasulfide	2.3	UN 2140	Poison Gas	II	1	5	Stow 'away from' living quarters
	Phosphorus pentasulfide, free from yellow or white phosphorus	4.1	UN 1340	Flammable Solid	II	1,2	1,2	Stow 'separated from' oxidizing substances
	Phosphorus pentoxide	8	UN 1807	Corrosive	II	1,2	1,2	Glass bottles prohibited under deck
	Phosphorus sesquisulfide, free from yellow or white phosphorus	4.1	UN 1341	Flammable Solid	II	1,2	1	Stow 'separated from' oxidizing substances
	Phosphorus tribromide	8	UN 1808	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on passenger vessels
	Phosphorus trichloride	8	UN 1808	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on passenger vessels
	Phosphorus trifluoride	2.3	UN 1955	Poison Gas	II	1	5	Stow 'away from' living quarters
	Phosphorus trisulfide, free from yellow or white phosphorus	4.1	UN 1342	Flammable Solid	II	1,2	1	Stow 'separated from' oxidizing substances
	Phosphorus white, molten	4.2	UN 1343	Spontaneously Combustible	I	1	5	
	Phosphorus, white or yellow, dry	4.2	UN 1344	Spontaneously Combustible	I	1,2	5	
	Phosphorus, white or yellow, in water	4.2	UN 1344	Spontaneously Combustible	I	1,2	5	
	Phosphoryl chloride	8	UN 1809	Corrosive	II	1	1	Glass carboys prohibited on passenger vessels
N	Photo-flash powder in units	1.1G	UN 0094	Explosive (1.1G)	II	1	1	
N	Photo-flash powder in units	1.2G	UN 0094	Explosive (1.2G)	II	1	1	
N	Photo-flash powder in units	1.3G	UN 0094	Explosive (1.3G)	II	1	1	
	Phthalic anhydride, dust, powder or molten liquid	8	UN 2214	None	III	1,2	1,2	Stow 'away from' foodstuffs and oxidizing substances
	Picolines	3.3	UN 2313	Flammable Liquid	II	1,2	1,2	
	Picric acid, wetted with not less than 10% of water	4.1	UN 1984	Flammable Solid	I	1	5	Stow 'away from' heavy metals and their compounds
	Picric acid, wetted with not less than 30% of water	4.2	UN 1984	Flammable Solid	I	1,2	5	Stow 'away from' heavy metals and their compounds
	Pine hydroperoxide, technical pure	2.2	UN 2548	Organic Peroxide	I	1	5	
	alpha-Picene	3.3	UN 2548	Flammable Liquid	III	1,2	1,2	
	Pine oil	3.3	UN 2272	Flammable Liquid	III	1,2	1,2	
	Piperidine	3.2	UN 2401	Flammable Liquid	II	1,2	1	Keep dry
	Pivaloyl chloride	8	UN 2438	Corrosive, Flammable Liquid	II	1	5	Shade from radiant heat. Segregation same as for flammable liquids
	Plastics moulding materials evolving flammable vapours	3	UN 2211	None	III	1,2	1,2	
	Plastics, (spontaneously combustible), n.o.s.	4.2	UN 2096	Spontaneously Combustible	III	1	5	
	Poisonous liquids, n.o.s.	6.1	UN 2680	Poison	I/II	1,2	1	
	Poisonous solids, n.o.s.	6.1	UN 2810	Poison	III	1,2	1,2	
	Poisonous solids, n.o.s.	6.1	UN 2811	Poison	I/II	1,2	1	
	Poisonous solids, n.o.s.	6.1	UN 2811	Poison	III	1,2	1,2	
	Polishes. See Paints, etc.							
	Polishing fluid. See Flammable liquid preparations, n.o.s.							
	Polystyrene beads, expandable, containing flammable liquid. See Plastics moulding materials							
	Potassium arsenate	6.1	UN 1677	Poison	II	1,2	1,2	
	Potassium arsenite	6.1	UN 1678	Poison	II	1,2	1,2	
	Potassium bifluoride, solid	8	UN 1677	Corrosive	II	1,2	1,2	Keep dry
	Potassium bifluoride, solution	8	UN 1677	Corrosive	II	1,2	1,2	
	Potassium borohydride	4.3	UN 1677	Dangerous When Wet	I	1,2	5	
	Potassium bromate	5.1	UN 1484	Oxidizer	II	1,2	1,2	Stow 'separated from' ammonium compounds and 'away from' powdered metals
	Potassium chlorate	5.1	UN 1485	Oxidizer	II	1,2	1,2	Stow 'separated from' ammonium compounds and 'away from' powdered metals
	Potassium chlorate, aqueous solution	5.1	UN 1485	Oxidizer	II	1,2	1	Stow 'away from' powdered metals and 'separated from' ammonium compounds
	Potassium cyanide	6.1	UN 1679	Poison	II	1,2	1,2	Stow 'away from' acids

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Potassium cyanide	6.1	UN 1680	Poison	I	1,2	1,2	Stow 'away from' acids
	Potassium dithionite	4.2	UN 1929	Spontaneously Combustible	II	1,2	5	Keep dry
	Potassium fluoride	6.1	UN 1812	St. Andrews Cross, Corrosive	III	1,2	1,2	Stow 'away from' acids
	Potassium hydrogen fluoride. <i>See</i> Potassium bifluoride, <i>solution</i>							
	Potassium hydroxide, <i>solid</i>	8	UN 1813	Corrosive	II	1,2	1,2	Keep dry
	Potassium hydroxide, <i>solution</i>	8	UN 1814	Corrosive	II	1,2	1,2	
	Potassium hypochlorite, <i>solution. See</i> Hypochlorite, <i>solutions, etc.</i>							
	Potassium metal	4.2	UN 2257	Spontaneously Combustible	II	1,2	5	
	Potassium, metal alloys	4.3	UN 1420	Dangerous When Wet	II	1,2	5	
	Potassium metavanadate	6.1	UN 2864	Poison	II	1,2	1,2	
	Potassium nitrate	5.1	UN 1486	Oxidizer	III	1,2	1,2	
	Potassium nitrate and sodium nitrite, <i>mixture</i>	5.1	UN 1487	Oxidizer	II	1,2	1,2	Stow 'separated from' ammonium compounds and cyanides, and 'away from' foodstuffs
	Potassium nitrate bags, <i>empty. See</i> Bags, <i>empty and unwashed, etc.</i>							
	Potassium nitrite	5.1	UN 1488	Oxidizer	II	1,2	1,2	Stow 'separated from' ammonium compounds and cyanides, and 'away from' foodstuffs
	Potassium oxide	8	UN 2003	Corrosive	II	1,2	1,2	Keep dry
	Potassium perchlorate	5.1	UN 1489	Oxidizer	II	1,2	1,2	Stow 'away from' powdered metals
	Potassium permanganate	5.1	UN 1490	Oxidizer	II	1,2	1,2	Stow 'separated from' ammonium compounds and hydrogen peroxide
	Potassium peroxide	5.1	UN 1491	Oxidizer	I	1,2	1,2	Keep dry
	Potassium persulphate	5.1	UN 1492	Oxidizer	III	1,2	1,2	
	Potassium phosphide	4.3	UN 2012	Dangerous When Wet, Poison	I	1	5	
N	Potassium salts of nitro-aromatic derivatives, <i>explosive</i>	1.3C	UN 0158	Explosive (1.3C)	-	-	-	
	Potassium silicofluoride, <i>solid</i>	6.1	UN 2655	St. Andrews Cross	III	1,2	1,2	Stow 'away from' acids
	Potassium-sodium, <i>alloy</i>	4.3	UN 1422	Dangerous When Wet	I	1,2	5	
	Potassium sulphide, <i>anhydrous or containing less than 30% water of crystallization</i>	4.2	UN 1382	Spontaneously Combustible	II	1,2	1,2	Stow 'separated from' liquid acids
	Potassium sulphide, <i>hydrated, containing not less than 30% water of crystallization</i>	8	UN 1847	Corrosive	II	1,2	1,2	Stow 'separated from' explosives and acids
	Potassium superoxide	5.1	UN 2466	Oxidizer	I	1,2	1	Keep dry. Stow 'away from' combustible ma- terials including packaging of other cargo
N	Powder paste, <i>containing, by weight, at least 35% water</i>	1.3C	UN 0159	Explosive (1.3C)	-	-	-	
N	Powder, smokeless	1.1C	UN 0160	Explosive (1.1C)	-	-	-	
N	Powder, smokeless	1.3C	UN 0161	Explosive (1.3C)	-	-	-	
	Primers, cap type	1.4B	UN 0378	Explosive (1.4B)	-	1,3	1,3	
	Primers, cap type	1.4S	UN 0044	None. Package to be marked "1.4S"	-	1,3	1,3	
N	Primers, cap type	1.1B	UN 0377	Explosive (1.1B)	-	-	-	
	Primers, tubular	1.4G	UN 0320	Explosive (1.4G)	-	1,3	1,3	
	Primers, tubular	1.4S	UN 0376	None. Package to be marked "1.4S"	-	1,3	1,3	
N	Primers, tubular	1.3G	UN 0319	Explosive (1.3G)	-	-	-	
	Projectiles, <i>inert, with tracer</i>	1.4 S	UN 0345	None. Package to be marked "1.4 S"	-	1,3	1,3	
N	Projectiles, <i>with burner or expelling charge</i>	1.2D	UN 0346	Explosive (1.2D)	-	-	-	
N	Projectiles, <i>with burner or expelling charge</i>	1.4D	UN 0347	Explosive (1.4D)	-	-	-	
N	Projectiles, <i>with bursting charge</i>	1.1D	UN 0168	Explosive (1.1D)	-	-	-	
N	Projectiles, <i>with bursting charge</i>	1.2D	UN 0169	Explosive (1.2D)	-	-	-	
N	Projectiles, <i>with bursting charge</i>	1.4D	UN 0344	Explosive (1.4D)	-	-	-	
N	Projectiles, <i>with bursting charge</i>	1.1F	UN 0167	Explosive (1.1F)	-	-	-	
N	Projectiles, <i>with bursting charge</i>	1.2F	UN 0324	Explosive (1.2F)	-	-	-	
	Propane	2.1	UN 1978	Flammable Gas	-	1,2	1	Stow 'away from' living quarters
	Propanethiols	3.1	UN 2402	Flammable Liquid	II	1,3	5	Keep cool and dry. Stow 'away from' food- stuffs and all odor absorbing cargo.
		3.2	UN 2402	Flammable Liquid	II	1,3	1	Keep cool and dry. Stow 'away from' food- stuffs and all odor absorbing cargo
	Propanol	3.2	UN 1274	Flammable Liquid	II	1,2	1	
	Propionaldehyde	3.2	UN 1275	Flammable Liquid	II	1,2	1	
	Propionic acid, <i>solution containing not less than 80% acid</i>	8	UN 1848	Corrosive	III	1,2	1,2	Stow 'separated by a complete compartment or hold from' organic peroxides, and 'sepa- rated longitudinally by and intervening complete compartment or hold from' ex- plosives
	Propionic anhydride	8	UN 2496	Corrosive	III	1,2	1,2	Keep dry. Glass carboys prohibited on pas- senger vessels
	Propionitrile	3.2	UN 2404	Flammable Liquid, Poison	II	1,3	5	Keep cool
	Propionyl chloride	8	UN 1815	Corrosive, Flammable Liquid	II	1	1	Keep dry. Stow 'separated longitudinally by an intervening complete compartment or hold from' explosives
	Propionyl peroxide, <i>maximum concentration 28% in solution</i>	5.2	UN 2152	Organic Peroxide	II	1	5	Maximum transport temperature 15 deg C
	sec-Propyl acetate	3.2	UN 1276	Flammable Liquid	II	1,2	1	
	sec-Propyl alcohol. <i>See</i> Isopropanol							
	n-Propyl alcohol. <i>See</i> Propanol							

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172.182 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identi- fication Number	(5) Labels required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Propylamine. See Monopropylamine							
	Propyl benzene	3.3	UN 2364	Flammable Liquid	II	1,2	1,2	
	Propyl chloride	3.1	UN 1276	Flammable Liquid	II	1,3	5	Keep cool
	n-Propyl chloroformate	3.3	UN 2348	Flammable Liquid, Poison, Corrosive	I	1,2	1,2	
	Propylene	2.1	UN 1077	Flammable Gas	-	1,2	1	Stow 'away from' living quarters
	Propylene diamine	3.3	UN 2358	Flammable Liquid, Corrosive	II	1,2	1,2	
	Propylenediamine	3.2	UN 2258	Flammable Liquid, Corrosive	II	1,2	1	
	Propylene dichloride	3.2	UN 1209	Flammable Liquid	II	1,2	1	
	Propylenimine, inhibited	3.2	UN 1923	Flammable Liquid	I	1,2	1	
	Propylene oxide, inhibited	3.1	UN 1280	Flammable Liquid	I	1,3	5	Keep cool
	Propyl formate	3.2	UN 1283	Flammable Liquid	II	1,2	1	
	n-Propyl isocyanate	3.2	UN 2462	Flammable Liquid, Poison	I	1	5	Keep cool. Stow 'away from' living quarters and sources of heat
	Propyl mercaptan	3.1	UN 2704	Flammable Liquid	II	1,3	5	Keep cool and dry. Stow 'away from' food- stuffs and all other absorbing cargo
		3.2	UN 2704	Flammable Liquid	II	1,3	1	Keep cool and dry. Stow 'away from' food- stuffs and all other absorbing cargo
	n-Propyl nitrate	3.2	UN 1865	Flammable Liquid	II	1,2	1	
	Propyl trichlorosilane	3	UN 1896	Corrosive	II	1	1	Keep dry. Stow 'separated longitudinally by an intervening compartment or hold from' explosives
	Pyridine	3.2	UN 1262	Flammable Liquid, Poison	II	1,2	1	
	Pyrophoric alloys	4.2	UN 1383	Spontaneously Combustible	II	1	5	
	Pyrophoric fuel, n.o.s.	4.2	UN 1335	Spontaneously Combustible	I	1	5	Prohibited on vessels carrying explosives
	Pyrophoric liquids, n.o.s. See Pyrophoric fuel, n.o.s.							
	Pyrophoric metals	4.2	UN 1383	Spontaneously Combustible	II	1	5	
	Pyrosulphuryl chloride	3	UN 1817	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on pas- senger vessels
	Pyrosilin. See Nitrocellulose							
	Pyrolidine	3.2	UN 1922	Flammable Liquid	II	1,2	1	
	Rags, oily	4.2	UN 1854	Spontaneously Combustible	III	1,2	1,2	Keep dry
	Rare gases, mixtures	2.2	UN 1979	Nonflammable Gas	-	1,2	1,2	
	Rare gases, mixtures with nitrogen	2.2	UN 1981	Nonflammable Gas	-	1,2	1,2	
	Rare gases, mixtures with oxygen	2.2	UN 1980	Nonflammable Gas	-	1,2	1,2	
	Receptacles, small, containing flammable compressed gas, not filled with a dispersion driver, not refillable	2.1	UN 2037	Flammable Gas	-			
	Reducing liquid. See Flammable liquid preparation, n.o.s.							
	Refrigerant gases, n.o.s.	2.1	UN 1073	Flammable Gas	-	1	1	
		2.2	UN 1070	Nonflammable Gas	-	1,2	1,2	
	Release devices, explosive	1.4 S	UN 0173	None. Package to be marked '1.4 S'	-	1,3	1,3	
	Removing liquid. See Flammable liquid preparation, n.o.s.							
	Resin, solution in flammable liquid	3.2	UN 1866	Flammable Liquid	II	1,2	1	
		3.3	UN 1866	Flammable Liquid	II	1,2	1,2	
	Rivets, explosive	1.4 S	UN 0074	None. Package to be marked '1.4 S'	-	1,3	1,3	
	Road asphalt, liquid, tars or oil. See Cut-backs, asphalt or bitumen							
N	Rocket motors	1.1C	UN 0280	Explosive (1.1C)	-	-	-	
N	Rocket motors	1.2C	UN 0289	Explosive (1.2C)	-	-	-	
N	Rocket motors	1.3C	UN 0186	Explosive (1.3C)	-	-	-	
N	Rocket motors, containing hypergolic liquids, with or without expelling charge	1.2L	UN 0322	Explosive (1.2L)	-	-	-	
N	Rocket motors, containing hypergolic liquids, with or without expelling charge	1.3L	UN 0250	Explosive (1.3L)	-	-	-	
N	Rockets, line throwing	1.2G	UN 0236	Explosive (1.2G)	-	-	-	
N	Rockets, line throwing	1.3G	UN 0240	Explosive (1.3G)	-	-	-	
N	Rockets, with bursting charge	1.1E	UN 0182	Explosive (1.1E)	-	-	-	
N	Rockets, with bursting charge	1.2E	UN 0182	Explosive (1.2E)	-	-	-	
N	Rockets, with bursting charge	1.1F	UN 0180	Explosive (1.1F)	-	-	-	
N	Rockets, with bursting charge	1.2F	UN 0295	Explosive (1.2F)	-	-	-	
N	Rockets, with inert head	1.3C	UN 0183	Explosive (1.3C)	-	-	-	
	Rodenticides, n.o.s.	6.1	UN 1681	Poison	1/II	1,2	1,2	Stow 'separated from' foodstuffs.
		6.2	UN 1687	St. Andrew Cross	III	1,2	1,2	Stow 'separated from' foodstuffs.
		9	UN 1681	None	III	1,2	1,2	Stow 'away from' foodstuffs
	Roan oil	3.2	UN 1286	Flammable Liquid	III	1,2	1	
		3.3	UN 1286	Flammable Liquid	III	1,2	1,2	
	R 22. See Dichlorodifluoromethane							
	R 12. See Dichlorodifluoromethane							
	Rubber scrap, powdered or granulated	4.1	UN 1745	Flammable Solid	II	1,2	1,2	
	Rubber shoddy. See Rubber scrap							

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbol	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pass- enger vessel	(c) Other requirements
	Rubber solution	3.2 3.3	UN 1287 UN 1287	Flammable Liquid Flammable Liquid	II II	1.2 1.2	1 1.2	
N	Rubidium, (metal)	4.3	UN 1423	Dangerous When Wet	I	1.2	5	
	Samples, explosive substance, other than primary explosives	I	UN 0190	None	—	—	—	
	Seed acid. See Fluosilicic acid							
	Seed cake, containing vegetable oil, mechanically expelled seeds, containing more than 10% of oil or more than 20% of oil and moisture combined	4.2	UN 1386	None. Package to be marked "Class 4.2"	III	1.2	5	
	Seed cake, containing vegetable oil, solvent extractions and expelled seeds, containing not more than 10% of oil and, when the amount of moisture is higher than 10%, not more than 20% of oil and moisture combined	4.2	UN 1386	None. Package to be marked "Class 4.2"	III	1.2	1.2	
	Seed cake, containing vegetable oil, solvent extractions containing not more than 1.5% of oil and 11% of moisture	4.2	UN 2217	None. Package to be marked "Class 4.2"	III	1.2	1.2	
	Selenic acid	I	UN 1905	Corrosive	I	1.2	1.2	Keep dry
	Selenium hexafluoride	2.3	UN 2194	Poison Gas	—	1	5	Stow 'away from' living quarters
	Shale oil	3.2 3.3	UN 1288 UN 1288	Flammable Liquid Flammable Liquid	II II	1.2 1.2	1 1.2	
	Sheep dips, (poisonous), n.o.s.	6.1 6.1 9	UN 1682 UN 1682 UN 1682	Poison St. Andrews Cross None	I/II III III	1.2 1.2 1.2	1.2 1.2 1.2	Stow 'separated from' foodstuffs. Stow 'separated from' foodstuffs. Stow 'away from' foodstuffs.
	Shellac. See Paints, etc.							
	Signal devices, hand	1.4S	UN 0373	None. Package to be marked "1.4S"	—	1.3	1.3	
	Signal devices, hand	1.4 G	UN 0371	Explosive (1.4G)	—	1.3	1.3	
N	Signals, distress, ship (other than water-activated)	1.1G	UN 0194	Explosive (1.1G)	—	—	—	
N	Signals, distress, ship (other than water-activated)	1.3G	UN 0195	Explosive (1.3G)	—	—	—	
N	Signals, railway track, explosive	1.1G	UN 0192	Explosive (1.1G)	—	—	—	
N	Signals, railway track, explosive	1.4S	UN 0193	None. Package to be marked "1.4S"	—	—	—	
N	Signals, smoke, with explosive sound unit	1.1G	UN 0196	Explosive (1.1G)	—	—	—	
N	Signals, smoke, with explosive sound unit	1.2G	UN 0313	Explosive (1.2G)	—	—	—	
N	Signals, smoke, without explosive sound unit	1.4 G	UN 0197	Explosive (1.4G)	—	1.3	1.3	
	Silane	2.3	UN 2203	Poison Gas, Flammable Gas	—	1	5	Shade from radiant heat. Stow 'away from' living quarters, 'separated from' oxidizers
	Silicofluoric acid. See Fluosilicic acid							
	Silicofluorides, solid, n.o.s.	6.1	(UN 2811)	St. Andrews Cross	III	1.2	1.2	Stow 'away from' acids
	Silicon chloride. See Silicon tetrachloride							
	Silicon powder, amorphous	4.1	UN 1346	Flammable Solid	III	1.2	1.2	
	Silicon tetrachloride	I	UN 1818	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on passenger vessels
	Silicon tetrafluoride	2.3	UN 1829	Poison Gas, Corrosive	—	1	5	
	Silver arsenite	6.1	UN 1643	Poison	II	1.2	1.2	
	Silver cyanide	6.1	UN 1684	Poison	II	1.2	1.2	Stow 'away from' strong liquid acids
	Silver nitrate	5.1	UN 1493	Oxidizer	II	1.2	1.2	Stow 'away from' foodstuffs
	Slack, dry. See Fibre, vegetable, dry							
	Sludge acid	I	UN 1906	Corrosive	II	1.2	1	Stow 'away from' fluorides. Metal drums only under deck
	Soda lime	I	UN 1907	Corrosive	III	1.2	1.2	Keep dry
	Sodium aluminate, solution	I	UN 1819	Corrosive	II	1.2	1.2	
	Sodium amalgam	4.3	UN 1404	Dangerous When Wet	I	1.2	1.2	
	Sodium amide	4.3	UN 1425	Dangerous When Wet	II	1.2	5	
	Sodium-ammoxonium-vanadate	6.1	UN 2863	Poison	II	1.2	1.2	
	Sodium arsenite	6.1	UN 2473	St. Andrews Cross	III	1.2	1.2	
	Sodium arsenate	6.1	UN 1645	Poison	II	1.2	1.2	
	Sodium arsenite, aqueous solutions	6.1	UN 1686	Poison	I/II	1.2	1.2	
	Sodium arsenite, solid	6.1	UN 1686	St. Andrews Cross	III	1.2	1.2	
	Sodium arsenate, solid	6.1	UN 2027	Poison	II	1.2	1.2	Stow 'away from' oxidizers and organic peroxides
	Sodium azide	6.1	UN 1687	Poison	II	1.2	1.2	Stow 'away from' heavy metals and their compounds, 'separated from' acids
	Sodium bisulphate, solid. See Sodium hydrogen sulphate							
	Sodium bisulphite, solution. See Sodium hydrogen sulphite, solution							
	Sodium borohydride	4.3	UN 1426	Dangerous When Wet	I	1.2	5	
	Sodium bromate	5.1	UN 1494	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals, 'separated from' ammonium compounds
	Sodium cacodylate	6.1	UN 1688	Poison	II	1.2	1.2	Stow 'away from' acids
	Sodium chlorate	5.1	UN 1495	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals, 'separated from' ammonium compounds
	Sodium chlorate, aqueous solution	5.1	UN 2428	Oxidizer	II	1.2	1	Stow 'away from' powdered metals and 'separated from' ammonium compounds
	Sodium chlorite	5.1	UN 1496	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals, 'separated from' ammonium compounds
	Sodium chlorite, solution containing more than 5% available chlorine	I	UN 1908	Corrosive	II	1.2	1	Glass carboys in hampers not permitted under deck
	Sodium cuprocyanide, solid	6.1	UN 2046	Poison	I	1.2	1.2	Keep dry. Stow 'separated from' acids
	Sodium cyanide	6.1	UN 1689	Poison	I	1.2	1.2	Stow 'away from' acids

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identi- fication Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
N	Sodium dinitro-o-cresolate, <i>dry or containing, by weight, less than 15% water</i>	1.3C	UN 0234	Explosive (1.3C)	-	-	-	
	Sodium dinitro-o-cresolate, <i>wetted with not less than 15% of water</i>	4.1	UN 1348	Flammable Solid, Poison	I	1.2	5	Stow 'away from' heavy metals and their compounds
	Sodium dinitro-o-cresolate, <i>wetted with not less than 10% of water</i>	4.1	UN 1348	Flammable Solid, Poison	I	1	5	Stow 'away from' heavy metals and their compounds
	Sodium dithionite	4.2	UN 1384	Spontaneously Combustible	II	1.2	1.2	New metal drums only under deck
	Sodium fluoride, <i>solid</i>	6.1	UN 1690	St. Andrews Cross Poison	III	1.2	1.2	Stow 'away from' acids
	Sodium fluoride, <i>solution</i>	6.1	(UN 2810)	Poison	II	1.2	1.2	
	Sodium hydrate. <i>See Sodium hydroxide, solution</i>							
	Sodium hydride	4.3	UN 1427	Dangerous When Wet	I	1.2	5	
	Sodium hydrogen fluoride	8	UN 2439	Corrosive	II	1.3	1.3	Keep cool and dry
	Sodium hydrogen sulphate, <i>containing more than 3% free acid</i>	8	UN 1821	Corrosive	II	1.2	1.2	
	Sodium hydrogen sulphite, <i>solution</i>	8	UN 1909	Corrosive	II	1.2	1.2	
	Sodium hydrosulphide, <i>solid</i>	4.2	UN 2318	Spontaneously Combustible	II	1.2	1.2	
	Sodium hydroxide, <i>solid</i>	8	UN 1823	Corrosive	II	1.2	1.2	Keep dry
	Sodium hydroxide, <i>solution</i>	8	UN 1824	Corrosive	II	1.2	1.2	
	Sodium, <i>(metal)</i>	4.3	UN 1428	Dangerous When Wet	II	1.2	5	
	Sodium metal, <i>dispersed in organic liquids</i>	4.3	UN 1429	Dangerous When Wet	I	1.2	5	
	Sodium methylate	4.3	UN 1431	Dangerous When Wet	I	1.2	1	
	Sodium methylate, <i>solutions in alcohol</i>	3.2	UN 1289	Flammable Liquid	II	1.2	1	
		3.3	UN 1289	Flammable Liquid	II	1.2	1.2	
	Sodium monoxide	8	UN 1825	Corrosive	II	1.2	1.2	Keep dry
	Sodium nitrate	5.1	UN 1498	Oxidizer	III	1.2	1.2	
	Sodium nitrate and potash, <i>mixture</i>	5.1	UN 1478	Oxidizer	II	1.2	1.2	
	Sodium nitrate and potassium nitrate, <i>mixture</i>	5.1	UN 1499	Oxidizer	III	1.2	1.2	
	Sodium nitrate bags, <i>except. See Bags, empty and unwashed, etc.</i>							
	Sodium nitrate	5.1	UN 1900	Oxidizer	II	1.2	1.2	
	Sodium pentachlorophosphate	6.1	UN 2567	Poison	II	1.2	1.2	
	Sodium percarbonates	5.1	UN 2467	Oxidizer	III	1.2	1.2	Keep dry
	Sodium perchlorate	5.1	UN 1502	Oxidizer	II	1.2	1.2	Stow 'away from' foodstuffs, 'separated from' ammonium compounds and cyanides. Paper bags prohibited on passenger vessels
	Sodium permanganate	5.1	UN 1503	Oxidizer	II	1.2	1.2	Stow 'separated from' ammonium compounds and hydrogen peroxide
	Sodium peroxide	5.1	UN 1504	Oxidizer	I	1.2	1	Keep dry. Stow 'away from' powdered metals, permanganates, and combustible packagings and cargo
	Sodium persulphate	5.1	UN 1505	Oxidizer	III	1.2	1.2	
	Sodium phenolate, <i>solid</i>	8	UN 2497	Corrosive	III	1.2	1.2	
	Sodium phosphide	4.3	UN 1432	Dangerous When Wet, Poison	I	1	5	
N	Sodium picramate, <i>dry or containing, by weight, less than 20% water</i>	1.3C	UN 0235	Explosive (1.3C)	-	-	-	
	Sodium picramate, <i>wetted with not less than 20% of water</i>	4.1	UN 1349	Flammable Solid	I	1.2	5	Stow 'away from' heavy metals and their compounds
	Sodium-potassium, <i>alloy. See Potassium-sodium, alloy</i>							
N	Sodium salts of nitro-aromatic derivatives, <i>explosive</i>	1.3C	UN 0203	Explosive (1.3C)	-	-	-	
	Sodium silicofluoride, <i>solid</i>	6.1	UN 2674	St. Andrews Cross	III	1.2	1.2	Stow 'away from' acids
	Sodium sulphide, <i>anhydrous or containing less than 30% water of crystallization</i>	4.2	UN 1385	Spontaneously Combustible	II	1.2	1.2	Stow 'separated from' acids
	Sodium sulphide, <i>hydrated, containing not less than 30% water of crystallization</i>	9	UN 1849	None	II	1.2	1.2	Stow 'separated from' explosives and acids
	Sodium superoxide	5.1	UN 2547	Oxidizer	I	1.2	5	Keep dry. Stow 'away from' powdered metals, permanganates and combustible packaging and cargo
	Solvents, <i>(non-toxic), n.o.s.</i>	3.2	UN 1998	Flammable Liquid	II	1.2	1	
		3.3	UN 1998	Flammable Liquid	II	1.2	1.2	
	Solvents, <i>(toxic), n.o.s.</i>	3.2	UN 1997	Flammable Liquid, Poison	II	1.2	1	
		3.3	UN 1997	Flammable Liquid, Poison	II	1.2	1.2	
N	Sounding devices, <i>explosive</i>	1.1E	UN 0374	Explosive (1.1E)	-	-	-	
N	Sounding devices, <i>explosive</i>	1.2E	UN 0375	Explosive (1.2E)	-	-	-	
N	Sounding devices, <i>explosive</i>	1.1F	UN 0296	Explosive (1.1F)	-	-	-	
N	Sounding devices, <i>explosive</i>	1.2F	UN 0204	Explosive (1.2F)	-	-	-	
	<i>Spirit mixed acid. See Acid mixtures, spent</i>							
	<i>Spirits of salts. See Hydrochloric acid</i>							
	Squibs	1.4 S	UN 0206	None. Package to be marked '1.4 S'	-	1.3	1.3	
	Stains. <i>See Paints, etc.</i>							
	Stannic chloride, <i>anhydrous</i>	8	UN 1827	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on passenger vessels
	Stannic chloride pentahydrate	8	UN 2440	Corrosive	III	1.2	1.2	Keep dry
	Stannic phosphides	4.3	UN 1433	Dangerous When Wet	I	1	5	
	Steel dwarf. <i>See Iron dwarf</i>							

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Sublime	2.3	(UN 1953)	Poison Gas, Flammable Gas	—	1	5	Stow 'away from' living quarters
	Straw	4.1	UN 1327	None	III	1.2	1.2	Stow 'away from' animal or vegetable oils
	Strike anywhere matches. See Matches, strike anywhere							
	Strontium, alloys, non-pyrophoric	4.3	UN 1434	Dangerous When Wet	II	1.2	5	
	Strontium arsenite	6.1	UN 1691	Poison	II	1.2	1.2	
	Strontium chlorate	5.1	UN 1506	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals, separated from ammonium compounds
	Strontium nitrate	5.1	UN 1507	Oxidizer	III	1.2	1.2	
	Strontium perchlorate	5.1	UN 1508	Oxidizer	II	1.2	1.2	Stow 'away from' powdered metals
	Strontium peroxide	5.1	UN 1509	Oxidizer	II	1.2	1.2	Keep dry
	Strontium phosphide	4.3	UN 2013	Dangerous When Wet, Poison	I	1	5	
	Strontium, powdered. See Pyrophoric metals							
	Strychnine, and salts	6.1	UN 1692	Poison	I	1.2	1.2	
	Styrene monomer, inhibited	3.3	UN 2055	Flammable Liquid	II	1.2	1.2	
N	Substances, explosive, n.o.s.	1.1L	UN 0337	Explosive (1.1L)	—	—	—	
N	Substances, explosive, n.o.s.	1.2L	UN 0338	Explosive (1.2L)	—	—	—	
N	Substances, explosive, n.o.s.	1.3L	UN 0339	Explosive (1.3L)	—	—	—	
	Succinic acid peroxide, technical pure	5.2	UN 2135	Organic Peroxide	I	1	5	
	Sulphides, n.o.s.	4.2	—	Spontaneously Combustible	III	1	5	
	Sulphur chlorides	8	UN 1828	Corrosive	I	1	1	Keep dry. Glass carboys prohibited on passenger vessels
	Sulphur dichloride. See Sulphur chlorides							
	Sulphur dioxide	2.3	UN 1079	Poison Gas	—	1.2	5	Stow 'away from' living quarters
	Sulphur hexafluoride	2.2	UN 1080	Nonflammable Gas	—	1.2	1.2	
	Sulphuric acid, containing more than 51% acid	8	UN 1830	Corrosive	II	1.2	1	Stow 'away from' fluorides and all other corrosives except nitric acids, sulphur trioxide and other sulphuric acids
	Sulphuric acid, containing not more than 51% acid	8	UN 1830	Corrosive	II	1.2	1	Stow 'away from' fluorides. Glass carboys in hampers not permitted under deck
	Sulphuric acid, fuming	8	UN 1831	Corrosive	I	1.2	1	Stow 'away from' fluorides and all other corrosives except nitric acids, sulphur trioxide and other sulphuric acids
	Sulphuric acid, pure	8	UN 1832	Corrosive	II	1.2	1	Stow 'away from' fluorides. For concentrations of more than 51% acid, stow 'away from' all other corrosives except nitric acids, sulphur trioxide and other sulphuric acids
	Sulphuric and hydrofluoric acid mixtures. See Acid mixtures, hydrofluoric and sulphuric							
	Sulphuric anhydride. See Sulphur trioxide, stabilized							
	Sulphur, lump or powder	4.1	UN 1350	Flammable Solid	III	1.2	1.2	Protect from sparks and open flame. Stow 'separated from' oxidizing substances
	Sulphur, molten	4.1	UN 2448	Flammable Solid	III	1	1	Stow 'separated from' oxidizers, 'away from' living quarters. Protect from sparks and open flame
	Sulphurous acid	8	UN 1433	Corrosive	II	1.2	1	Glass carboys in hampers not permitted under deck
	Sulphur tetrafluoride	2.3	UN 2418	Poison Gas	—	1	5	Stow 'away from' living quarters
	Sulphur trioxide, stabilized	8	UN 1829	Corrosive	I	1.2	1.2	Keep dry. Glass bottles not permitted under deck. Stow 'away from' other corrosives except nitric and sulphuric acids
	Sulphuryl chloride	8	UN 1836	Corrosive	I	1	1	Keep dry. Glass carboys prohibited on passenger vessels
	Sulphuryl fluoride	2.2	UN 2191	Nonflammable Gas, Corrosive	—	1.2	5	Stow 'away from' living quarters
	Tars, liquid. See Cut-backs, asphalt or bitumen							
	Tear gas candles, non-explosive	6.1	UN 1300	Poison	II	1	5	
	Tear gas grenades, non-explosive. See Tear gas candles							
	Tear gas, (irritating substances, liquid or solid), n.o.s.	6.1	UN 1693	Poison	I/II	1	5	
	Tellurium hexafluoride	6.1	UN 1693	St. Andrews Cross	III	1	5	
	Tellurium hexafluoride	2.3	UN 2195	Poison Gas	—	1	5	Stow 'away from' living quarters
	T.E.L. See Motor fuel anti-knock mixtures							
	Terpene hydrocarbons n.o.s.	3.3	UN 2319	Flammable Liquid	III	1.2	1.2	
	Terpinolene	3.3	UN 2501	Flammable Liquid	III	1.2	1.2	
	Tetrabromoethane. See Acetylene tetrabromide							
	1,1,2,2-Tetrachloroethane	6.1	UN 1702	Poison	II	1.2	1.2	
	Butachloroethane	6.1	UN 1697	St. Andrews Cross	III	1.2	1.2	
	Tetraethyl dithiopyrophosphate, liquid and mixtures	6.1	UN 1704	Poison	I/II	1	5	
	Tetraethyl dithiopyrophosphate, liquid and mixtures	6.1	UN 1706	St. Andrews Cross	III	1	5	
	Tetraethyl dithiopyrophosphate with gas, including solution and mixtures	6.1	UN 1703	Poison, Nonflammable gas	I/II	1	5	Shade from radiant heat. Segregation same as for nonflammable gas.
	Tetraethyl dithiopyrophosphate with gas, including solution and mixtures	6.1	UN 1703	St. Andrews Cross, Nonflammable gas	III	1	5	Shade from radiant heat. Segregation same as for nonflammable gas.
	Tetraethylpyromethane	8	UN 2028	Corrosive	III	1.2	1.2	Glass carboys prohibited on passenger vessels
	Tetraethyl lead. See Motor fuel anti-knock mixtures							
	Tetraethyl pyrophosphate and compressed gas, mixture	6.1	UN 1705	Poison, Nonflammable gas	I/II	1	5	Shade from radiant heat. Segregation same as for nonflammable gas.

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Tetraethyl silicate	6.1	UN 1705	St. Andrews Cross, Nonflammable gas	III	1	5	Shade from radiant heat. Segregation same as for nonflammable gases
	Tetrafluoroethylene, inhibited	3.3	UN 1292	Flammable Liquid	II	1,2	1,2	
	Tetrafluorohydrazine	2.2	UN 1081	Nonflammable Gas	—	1,2	1,2	Stow 'away from' living quarters
		2.3	(UN 1955)	Poison Gas	—	11	5	Stow 'away from' living quarters and readily combustible substances, 'separated from' hydrogen
	Tetrafluoromethane	2.2	UN 1982	Nonflammable Gas	—	1,2	1,2	
	1,2,3,6-Tetrahydrobenzaldehyde	3.3	UN 2498	Flammable Liquid	III	1,2	1,2	
	Tetrahydrofuran	3.1	UN 2056	Flammable Liquid	II	1,3	5	Keep cool
	1,2,3,6-Tetrahydropyridine	3.2	UN 2410	Flammable Liquid	II	1,2	1	
	Tetrahydrothiophene	3.2	UN 2412	Flammable Liquid	II	1,2	1	
	Tetralin hydroperoxide, technical pure	5.2	UN 2136	Organic Peroxide	I	1	5	
	Tetramethylammonium hydroxide	8	UN 1835	Corrosive	II	1,2	1,2	
	1,1,3,3-Tetramethyl butyl hydroperoxide, technical pure	5.2	UN 2160	Organic Peroxide	II	1	5	
	1,1,3,3-Tetramethyl butyl peroxy-2-ethyl hexanoate, technical pure	5.2	UN 2161	Organic Peroxide	I	1	5	Maximum transport temperature 20 deg C
	Tetramethylsilane	3.1	UN 2749	Flammable Liquid	I	1	5	Keep cool. Shade from radiant heat
N	Tetraortho-aniline	1.1D	UN 0207	Explosive (1.1D)	—	—	—	
	Tetranitromethane	5.1	UN 1510	Oxidizer	I	1	5	Shade from radiant heat. Stow 'away from' foodstuffs
	Textile waste, (wet), n.o.s.	4.2	UN 1857	Spontaneously Combustible	III	1,2	1,2	
	Thallium chloride	5.1	UN 2573	Oxidizer, Poison	II	1,2	1,2	
	Thallium compounds	6.1	UN 1707	Poison	II	1,2	1,2	
	Thinners. See Paints, etc.							
	Thinning liquid. See Flammable liquid preparations, n.o.s.							
	Thioacetic acid	3.2	UN 2436	Flammable Liquid	II	1,2	1	
	Thiocarbonyl chloride. See Thiophosgene							
	Thioglycolic acid	8	UN 1940	Corrosive	II	1,2	1,2	Glass carboys in hampers prohibited under deck
	Thionyl chloride	8	UN 1836	Corrosive	I	1	1	Keep dry. Glass carboys prohibited on pas- senger vessels
	4-Thiopentenal	6.1	UN 2785	St. Andrews Cross	III	1	5	Segregation same as for flammable liquids if flashpoint below 61 deg C. Shade from radiant heat and sunlight. Stow 'away from' living quarters, acids and bases
	Thiophene	3.2	UN 2414	Flammable Liquid	II	1,2	1	
	Thiophosgene	6.1	UN 2474	Poison	II	1,2	1	Stow 'away from' acids
	Thiophosphoryl chloride	8	UN 1837	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on pas- senger vessels
	Tin chloride, fuming. See Stannic chloride, anhydrous							
	Tinctures, medicinal	3.2	UN 1293	Flammable Liquid	II	1,2	1	
	Tin tetrachloride. See Stannic chloride, anhydrous							
	Titanium hydride	4.1	UN 1871	Flammable Solid	II	1,2	5	
	Titanium metal powder, dry	4.2	UN 2546	Spontaneously Combustible	II	1,2	5	
	Titanium metal powder, wet, with not less than 25% water (a visible excess of water must be present)	4.1	UN 1352	Flammable Solid	II	1,2	5	
	Titanium tetrachloride	8	UN 1838	Corrosive	II	1	1	Keep dry. Glass carboys prohibited on pas- senger vessels
	Titanium trichloride	4.2	UN 2441	Spontaneously Combustible, Corrosive	II	1,2	1,2	
	Toe puff, nitrocellulose base	4.1	UN 1353	Flammable Solid	III	1	5	
	Toluene	3.2	UN 1294	Flammable Liquid	II	1,2	1	
	Toluene diisocyanate (T.D.I.)	6.1	UN 2078	Poison	II	1,3	1,3	Shade from radiant heat. Stow 'away from' living quarters and sources of heat
	Toluidines (o-, m-, p-)	6.1	UN 1708	Poison	II	1,2	1,2	Stow 'away from' acids
	2,4-Toluylenediamine	6.1	UN 1709	St. Andrews Cross	III	1,2	1,2	
N	Torpedoes, with bursting charge	1.1E	UN 0329	Explosive (1.1E)	—	—	—	
N	Torpedoes, with bursting charge	1.1F	UN 0330	Explosive (1.1F)	—	—	—	
	Tracers for ammunition	1.4 G	UN 0306	Explosive (1.4G)	—	—	1,3	
N	Tracers for ammunition	1.3G	UN 0212	Explosive (1.3G)	—	—	—	
	Triallylamine	3.3	UN 2610	Flammable Liquid	II	1,2	1,2	
	Triethylamine	8	UN 2542	Corrosive	III	1,2	1,2	Keep dry
	Trichloroacetic acid, solid	8	UN 1839	Corrosive	II	1,2	1,2	
	Trichloroacetic acid, solutions	8	UN 2564	Corrosive	II	1,2	1	Glass carboys in hampers prohibited under deck
	Trichloroacetyl chloride	8	UN 2442	Corrosive	II	1	5	Keep dry
	Trichlorobenzene, liquid	6.1	UN 2321	St. Andrews Cross	III	1,2	1,2	
	Trichlorobutene	6.1	UN 2322	St. Andrews Cross	III	1,3	1,3	Stow 'away from' sources of heat. Segrega- tion same as for flammable liquids
	Trichloroethylene	6.1	UN 1710	St. Andrews Cross	III	1,2	1,2	
	Trichloroacetic acid, dry	5.1	UN 2448	Oxidizer	II	1,2	1,2	Shade from radiant heat. Keep dry. Stow 'separated from' nitrogen compounds
	Trichloroethane	4.3	UN 1295	Dangerous When Wet, Flammable Liquid	I	1	5	

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Names	(3) IMCO Class	(4) Identi- fication Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Stowage Requirements		
						(a)	(b)	(c)
						Cargo vessel	Pass- enger vessel	Other requirements
	Tricresylphosphate, with more than 5% ortho isomer	6.1	UN 2574	Poison	II	1,2	1,2	
	Trichloroaluminate. See Aluminum triethyl	1,2	UN 1296	Flammable Liquid	II	1,2	1	
	Triethylamine	8	UN 2259	Corrosive	II	1,2	1	Stow 'separated from' nitric acid, 'away from' acids, copper and copper alloys and living quarters
	Triethylmetarsenine							
	Triethyl phosphite	3,3	UN 2323	Flammable Liquid	III	1,2	1,2	
	Trifluorobromomethane. See Bromotrifluoromethane							
	Trifluorochloroethane	2,2	UN 1983	Nonflammable Gas	-	1,2	1,2	
	Trifluorochloroethylene	2,2	UN 1982	Flammable Gas	-	1,2	1	Stow 'away from' living quarters
	Trifluorochloromethane. See Chlorotrifluoromethane							
	Trifluoroethane	2,1	UN 2035	Flammable Gas	-	1,2	1	Stow 'away from' living quarters
	Trifluoromethane	2,2	UN 1984	Nonflammable Gas	-	1,2	1,2	
	Triisobutyl aluminum	4,2	UN 1930	Spontaneously Combustible	I	1	1	
	Triisobutylene	3,3	UN 2324	Flammable Liquid	II	1,2	1,2	
	Triisopropyl borate	3,3	UN 2616	Flammable Liquid	II	1,2	1,2	
	Trimethylaluminum. See Aluminum trimethyl							
	Trimethylamine, anhydrous	2,1	UN 1083	Flammable Gas, Poison Gas	-	1	5	Stow 'away from' living quarters
	Trimethylamine, aqueous solutions containing not more than 30% of trimethylamine	3,2	UN 1297	Flammable Liquid	II	1,2	1	Stow 'away from' mercury and its compounds
	1,3,5-Trimethylbenzene	3,3	UN 2325	Flammable Liquid	III	1,2	1,2	
	Trimethyl borate	3,1	UN 2416	Flammable Liquid	II	1,3	5	Keep cool
	Trimethylchlorosilane	3,2	UN 1298	Flammable Liquid, Corrosive	I	1,2	1	
	Trimethylcyclohexylamine	8	UN 2326	Corrosive	III	1,2	1,2	Glass carboys prohibited on passenger vessels
	3,3,5-Trimethylhexamethylene diamine	8	UN 2327	Corrosive	III	1,2	1,2	Glass carboys prohibited on passenger vessels
	Trimethylhexamethylene dinitrate	6,1	UN 2528	Poison	II	1,2	1	
	Trimethyl phosphite	3,3	UN 2329	Flammable Liquid	III	1,2	1,2	
N	Trinitro-sulfone	1,1D	UN 0153	Explosive (1.1D)	-	-	-	
N	Trinitroresinole	1,1D	UN 0213	Explosive (1.1D)	-	-	-	
N	Trinitrobenzene, dry or containing, by weight, less than 35% water	1,1D	UN 0214	Explosive (1.1D)	-	-	-	
N	Trinitrobenzenesulfonic acid	1,1L	UN 0206	Explosive (1.1L)	-	-	-	
	Trinitrobenzene, wetted with not less than 10% of water	4,1	UN 1354	Flammable Solid	I	1	5	Stow 'away from' heavy metals and their compounds
N	Trinitrobenzoic acid, dry or containing, by weight, less than 30% water	1,1D	UN 0215	Explosive (1.1D)	-	-	-	
	Trinitrobenzoic acid, wetted with not less than 10% of water	4,1	UN 1355	Flammable Solid	I	1	5	Stow 'away from' heavy metals and their compounds
N	Trinitrochlorobenzene	1,1D	UN 0155	Explosive (1.1D)	-	-	-	
N	Trinitrofluorenone	1,1D	UN 0387	Explosive (1.1D)	-	-	-	
N	Trinitromethanol	1,1D	UN 0236	Explosive (1.1D)	-	-	-	
N	Trinitrophenylene	1,1D	UN 0217	Explosive (1.1D)	-	-	-	
N	Trinitrophenoxide	1,1D	UN 0218	Explosive (1.1D)	-	-	-	
N	Trinitrophenol, dry or containing, by weight, less than 30% water	1,1D	UN 0156	Explosive (1.1D)	-	-	-	
	Trinitrophenol, wetted. See Picric acid, wetted							
N	Trinitrophenylmethylamine	1,1D	UN 0208	Explosive (1.1D)	-	-	-	
N	Trinitroresorcinol, containing, by weight, not less than 20% water or mixture of alcohol and water	1,1D	UN 0394	Explosive (1.1D)	-	-	-	
N	Trinitroresorcinol, dry or containing, by weight, less than 20% water or mixture of alcohol and water	1,1D	UN 0219	Explosive (1.1D)	-	-	-	
N	Trinitroresorcinol, dry or containing, by weight, less than 30% water	1,1D	UN 0205	Explosive (1.1D)	-	-	-	
N	Trinitroresorcinol mixed with hexanitrosilbene	1,1D	UN 0388	Explosive (1.1D)	-	-	-	
N	Trinitroresorcinol mixed with trinitrobenzene	1,1D	UN 0389	Explosive (1.1D)	-	-	-	
N	Trinitroresorcinol mixed with trinitrobenzene and hexanitrosilbene	1,1D	UN 0390	Explosive (1.1D)	-	-	-	
	Trinitroresorcinol, wetted with not less than 10% of water	4,1	UN 1356	Flammable Solid	I	1	5	Stow 'away from' heavy metals and their compounds
	Tripropylamine	3,3	UN 2260	Flammable Liquid, Corrosive	II	1,2	1,2	
	Tripropylene	3,2	UN 2057	Flammable Liquid	II	1,2	1	
	Tri-(1-aziridinyl)phosphine oxide, solution	3,3	UN 2058	Flammable Liquid	II	1,2	1,2	
N	Tritonal	4,1	UN 2301	Poison	II	1,2	1,2	
	Tungsten hexafluoride	1,1D	UN 0390	Explosive (1.1D)	-	-	-	
	Terpentins	2,3	UN 2196	Poison Gas	-	1	5	Stow 'away from' living quarters
	Terpentine	3,3	UN 1299	Flammable Liquid	III	1,2	1,2	
	Terpentine substitute	3,2	UN 1300	Flammable Liquid	II	1,2	1	
	U D M E. See Dimethylhydrazine, unsymmetrical	3,3	UN 1300	Flammable Liquid	II	1,2	1,2	
	Udecane	3,3	UN 2330	Flammable Liquid	III	1,2	1,2	
	Urea hydrogen peroxide	5,1	UN 1511	Oxidizer	III	1,2	1,2	Keep dry. Shade from radiant heat
N	Urea nitrate, dry or containing, by weight, less than 20% water	1,1D	UN 0220	Explosive (1.1D)	-	-	-	
	Urea nitrate, wetted with not less than 10% of water	4,1	UN 1357	Flammable Solid	I	1,2	1,2	
	Valeroldehyde	3,2	UN 2058	Flammable Liquid	II	1,2	1	
	Valeryl chloride	8	UN 2302	Corrosive	II	1	1	Keep dry
	Vanadium oxytrichloride	8	UN 2443	Corrosive	II	1	1	Keep dry. Stow 'away from' organic compounds

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172.102 Optional Hazardous Materials Table (Cont'd)

(1) Notes and Symbols	(2) Hazardous Materials Description and Proper Shipping Name	(3) IMCO Class	(4) Identifi- cation Number	(5) Label(s) required	(6) Packaging Group	(7) Vessel Storage Requirements		
						(a) Cargo vessel	(b) Pas- senger vessel	(c) Other requirements
	Vanadium pentoxide, non-fused form	6.1	UN 2882	Toxic	II	1,2	1,2	
	Vanadium tetrachloride	8	UN 2444	Corrosive	I	1	1	Keep dry. Glass containers permitted on pas- senger vessels.
	Vanadium trichloride	8	UN 2445	Corrosive	III	1,2	1,2	Keep dry
	Vanadium sesquioxide, non-fused form	6.1	UN 2880	Toxic	II	1,2	1,2	
	Various. See Paints, etc.							
	Vinyl acetate, inhibited	2.2	UN 1991	Flammable Liquid	II	1,2	1	
	Vinyl bromide, inhibited	2.1	UN 1805	Flammable Gas	—	1,2	1	Stow 'away from' living quarters
	Vinyl chloride, inhibited	2.2	UN 1806	Flammable Gas	—	1,2	1	Stow 'away from' living quarters
	Vinyl ethyl ether, inhibited	2.1	UN 1802	Flammable Liquid	I	1,3	5	Keep cool
	Vinyl fluoride, inhibited	2.1	UN 1803	Flammable Gas	—	1,2	1	Stow 'away from' living quarters
	Vinyl isobutyl ether, inhibited	2.2	UN 1804	Flammable Liquid	II	1,2	1	
	Vinyl methyl ether, inhibited	2.2	UN 1807	Flammable Gas	—	1,2	1	Stow 'away from' living quarters
	Vinyl Toluene (noted below), inhibited	2.2	UN 2800	Flammable Liquid	III	1,2	1,2	
	Vinyl trichloroethane, inhibited	2.2	UN 2801	Flammable Liquid, Corrosive	I	1,2	1	
N	Warheads, rocket, with burster or expelling charge	1.4B	UN 0300	Explosive (1.4B)	—	—	—	
N	Warheads, rocket, with burster or expelling charge	1.4F	UN 0371	Explosive (1.4F)	—	—	—	
N	Warheads, rocket, with bursting charge	1.1D	UN 0305	Explosive (1.1D)	—	—	—	
N	Warheads, rocket, with bursting charge	1.2D	UN 0307	Explosive (1.2D)	—	—	—	
N	Warheads, rocket, with bursting charge	1.1F	UN 0306	Explosive (1.1F)	—	—	—	
N	Warheads, torpedo, with bursting charge	1.1D	UN 0304	Explosive (1.1D)	—	—	—	
	Water-gas	2.1	(UN 1808)	Flammable Gas, Corrosive	—	1	5	Stow 'away from' living quarters
	White asbestos. See Asbestos, white							
	White phosphorus, dry. See Phosphorus, white or yellow, dry							
	White phosphorus, wet. See Phosphorus, white or yellow, in water							
	Wood alcohol. See Methanol							
	Wool waste, wet	4.2	UN 2802	Spontaneously Combustible	III	1,2	1,2	
	Xenon	2.2	UN 2836	Nonflammable Gas	—	1,2	1,2	
	Xylenes	3.2	UN 1307	Flammable Liquid	II	1,2	1	
		3.3	UN 1309	Flammable Liquid	II	1,2	1,2	
	Xylenols	6.1	UN 2800	Toxic	II	1,2	1,2	
	Xylenes	6.1	UN 1774	Toxic	II	1,2	1,2	Stow 'away from' acids
	Xylole. See Xylenes							
	Xylyl bromide	6.1	UN 1701	Toxic	II	1	5	
	Yellow phosphorus, dry. See Phosphorus, white or yellow, dry							
	Yellow phosphorus, wet. See Phosphorus, white or yellow, in water							
	Zinc arsenate and arsenite, solid mixtures	6.1	UN 2802	Toxic	II	1,2	1,2	
	Zinc ashes	4.3	UN 2400	Dangerous When Wet	III	1,2	1,2	
	Zinc bromate	5.1	UN 2400	Explosive	III	1,2	1,2	Stow 'away from' powdered metals and 'sep- arated from' ammonium compounds
	Zinc chlorate	5.1	UN 2401	Explosive	II	1,2	1,2	Stow 'away from' powdered metals, 'separat- ed from' ammonium compounds
	Zinc chloride, anhydrous	8	UN 2301	Corrosive	III	1,2	1,2	Keep dry
	Zinc chloride, solution	8	UN 1800	Corrosive	III	1,2	1,2	
	Zinc cyanide	6.1	UN 2703	Toxic	I	1,2	1,2	Stow 'away from' acids
	Zinc dithionite	9	UN 1901	Toxic	III	1,2	1,2	Keep dry. Stow 'away from' acids
	Zinc ethyl. See Diethylzinc							
	Zinc nitrate	5.1	UN 1514	Explosive	II	1,2	1,2	
	Zinc permanganate	5.1	UN 2800	Explosive	II	1,2	1,2	Stow 'away from' ammonium compounds and hydrogen peroxide.
	Zinc peroxide	5.1	UN 2401	Explosive	II	1,2	1,2	Keep dry
	Zinc phosphide	6.1	UN 1704	Toxic, Dangerous When Wet	II	1,2	1,2	Stow 'away from' acids and oxidizers
	Zinc, powder or dust, nonpyrophoric	4.3	UN 2400	Dangerous When Wet	II	1,2	1,2	
	Zinc, powder or dust, pyrophoric. See Pyrophoric metals							
	Zirconium hydride	4.1	UN 0307	Flammable Solid	II	1,2	5	
	Zirconium, metal, dry, coiled wire, finished metal sheets, strip (thinner than 16 microns)	4.2	UN 2800	Spontaneously Combustible	III	1	5	
	Zirconium, metal, dry coiled wire or finished metal sheets, strip (thinner than 254 microns but not thinner than 16 microns)	4.1	(UN 2225)	Flammable Solid	III	1,2	1,2	
	Zirconium, metal, dry, powder or sponge	4.2	UN 2800	Spontaneously Combustible	II	1	5	
	Zirconium metal powder, dry	4.2	UN 2800	Spontaneously Combustible	II	1	5	
	Zirconium metal powder, wet with not less than 25% water (in stable excess of water must be present)	4.1	UN 1705	Flammable Solid	II	1,2	5	
N	Zirconium picramate, dry or containing, by weight, less than 20% water	1.3C	UN 0305	Explosive (1.3C)	—	—	—	
	Zirconium picramate, wetted with not less than 20% of water	5.1	UN 1807	Explosive	I	1	5	Stow 'away from' heavy metals and their salts
	Zirconium, scrap	4.2	UN 1802	Spontaneously Combustible	III	1	5	
	Zirconium, suspended in flammable liquid	2.1	UN 2800	Flammable Liquid	II	1	5	Keep cool
	Zirconium tetrachloride	8	UN 2805	Corrosive	III	1,2	1,2	Keep dry

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14. A Numeric-Alpha index is added as Appendix A to Subpart B of Part 172 to read as follows:

APPENDIX A - IDENTIFICATION NUMBER CROSS REFERENCE TO PROPER SHIPPING NAMES IN § 172.101 AND § 172.102

This listing is provided for information purposes only.

(1) Identification Number	(2) Source 172.***	(3) Description
UN 0001	102	Alarm devices, explosive
UN 0004	102	Ammonium picrate
UN 0005	102	Cartridges for weapons
UN 0006	102	Cartridges for weapons
UN 0007	102	Cartridges for weapons
UN 0008	102	Ammunition, incendiary
UN 0010	102	Ammunition, incendiary
UN 0012	102	Cartridges for weapons
UN 0014	102	Cartridges for weapons, blank
UN 0015	102	Ammunition, smoke
UN 0016	102	Ammunition, smoke
UN 0018	102	Ammunition, tear producing
UN 0019	102	Ammunition, tear producing
UN 0020	102	Ammunition, toxic
UN 0021	102	Ammunition, toxic
UN 0022	102	Amorces
UN 0027	102	Black powder
UN 0028	102	Black powder, compressed
UN 0029	102	Blasting caps, non-electric
UN 0030	102	Blasting caps, electric
UN 0033	102	Bombs
UN 0034	102	Bombs
UN 0035	102	Bombs
UN 0037	102	Bombs, photo-flash
UN 0038	102	Bombs, photo-flash
UN 0039	102	Bombs, photo-flash
UN 0042	102	Boosters
UN 0042	102	Gaines, without detonator
UN 0043	102	Burners
UN 0044	102	Caps, percussion
UN 0044	102	Primers, cap type
UN 0048	102	Charges, demolition
UN 0048	102	Cartridges, flash
UN 0050	102	Cartridges, flash
UN 0054	102	Cartridges, signal
UN 0055	102	Cases, cartridges, empty, with primer
UN 0058	102	Charges, depth
UN 0059	102	Charges, shaped
UN 0060	102	Charges, supplementary, explosive
UN 0065	102	Cord, detonating
UN 0066	102	Cord, igniter
UN 0070	102	Cutters, cable, explosive
UN 0072	102	Cyclotrimethylenetrinitramine
UN 0073	102	Detonators for ammunition
UN 0074	102	Dinitrophenol
UN 0075	102	Dithyleneglycol dinitrate
UN 0076	102	Dinitrophenol
UN 0077	102	Dinitrophenate
UN 0078	102	Dinitroresorcinol
UN 0079	102	Hexanitrodiphenylamine
UN 0081	102	Explosives, blasting, Type A
UN 0082	102	Explosives, blasting, Type B
UN 0083	102	Explosives, blasting, Type C
UN 0084	102	Explosives, blasting, Type D
UN 0085	102	Flares, surface
UN 0086	102	Flares, aerial
UN 0089	102	Photo-flash powder
UN 0090	102	Photo-flash powder
UN 0099	102	Fracturing devices, explosive
UN 0101	102	Fuse, instantaneous, non-detonating
UN 0102	102	Cord, detonating
UN 0103	102	Fuse, igniter
UN 0104	102	Cord, detonating, mild effect
UN 0105	102	Fuse, safety
UN 0106	102	Fuses, detonating
UN 0107	102	Fuses, detonating
UN 0110	102	Grenades, practice
UN 0113	102	Guanyl nitroamino guanyldene hydrazine
UN 0114	102	Guanyl nitroamino guanyl tetrazene
UN 0118	102	Headlites
UN 0121	102	Igniters
UN 0124	102	Jet perforating guns, charged
UN 0129	102	Lead azide
UN 0130	102	Lead styphnate
UN 0131	102	Lighters, fuse
UN 0132	102	Delignifying metal salts of aromatic nitro-derivatives, n.o.s.
UN 0133	102	Mannitol hexanitrate
UN 0135	102	Mercury fulminate

APPENDIX A - IDENTIFICATION NUMBER CROSS REFERENCE TO PROPER SHIPPING NAMES IN § 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identification Number	(2) Source 172.***	(3) Description
UN 0136	102	Mines
UN 0137	102	Mines
UN 0138	102	Mines
UN 0143	102	Nitroglycerine, desensitized
UN 0144	102	Nitroglycerine, spirit of
UN 0146	102	Nitrostarch
UN 0147	102	Nitro urea
UN 0150	102	Pentaerythritol tetranitrate
UN 0151	102	Pentolite
UN 0153	102	Trinitro-arsine
UN 0154	102	Trinitrophenol
UN 0155	102	Trinitrochlorobenzene
UN 0158	102	Potassium salts of nitro-aromatic derivatives
UN 0159	102	Powder paste
UN 0160	102	Powder, smokeless
UN 0161	102	Powder, smokeless
UN 0167	102	Projectiles
UN 0168	102	Projectiles
UN 0169	102	Projectiles
UN 0171	102	Ammunition, illuminating
UN 0174	102	Release devices, explosive
UN 0174	102	Rivets, explosive
UN 0180	102	Rockets
UN 0181	102	Rockets
UN 0182	102	Rockets
UN 0183	102	Rockets
UN 0186	102	Rocket motors
UN 0190	102	Samples, explosive substance
UN 0191	102	Signal devices, hand
UN 0192	102	Signals, railway track, explosive
UN 0193	102	Signals, railway track, explosive
UN 0194	102	Signals, distress
UN 0195	102	Signals, distress
UN 0196	102	Signals, smoke
UN 0197	102	Signals, smoke
UN 0203	102	Sodium salts of nitro-aromatic derivatives
UN 0204	102	Sounding devices, explosive
UN 0206	102	Squibs
UN 0207	102	Tetranitro-arsine
UN 0208	102	Trinitrophenylmethylnitramine
UN 0209	102	Trinitrotoluene
UN 0212	102	Tracers for ammunition
UN 0213	102	Trinitroarsolite
UN 0214	102	Trinitrobenzene
UN 0215	102	Trinitrobenzoic acid
UN 0216	102	Trinitrobenzotriazole
UN 0217	102	Trinitrophenylene
UN 0218	102	Trinitrophenylene
UN 0219	102	Trinitrophenylene
UN 0220	102	Urea nitrate
UN 0221	102	Warheads, torpedo
UN 0222	102	Ammonium nitrate
UN 0223	102	Ammonium nitrate fertilizers
UN 0224	102	Barium azide
UN 0225	102	Boosters, with detonator
UN 0225	102	Gaines, with detonator
UN 0226	102	Cyclotrimethylenetrinitramine
UN 0234	102	Sodium dinitro-o-cresolate
UN 0235	102	Sodium picramate
UN 0236	102	Zirconium picramate
UN 0237	102	Charges, shaped, flexible, linear
UN 0238	102	Rockets, line throwing
UN 0240	102	Rockets, line throwing
UN 0241	102	Explosives, blasting, Type E
UN 0242	102	Charges, propelling, for cannon
UN 0243	102	Ammunition, incendiary, white phosphorus
UN 0244	102	Ammunition, incendiary, white phosphorus
UN 0245	102	Ammunition, smoke, white phosphorus
UN 0246	102	Ammunition, smoke, white phosphorus
UN 0247	102	Ammunition, incendiary
UN 0248	102	Containers, water-activated
UN 0249	102	Containers, water-activated
UN 0250	102	Rocket motors
UN 0254	102	Ammunition, illuminating
UN 0255	102	Blasting caps, electric
UN 0257	102	Fuses, detonating
UN 0258	102	Octolite
UN 0267	102	Blasting caps, non-electric
UN 0268	102	Boosters, with detonator

APPENDIX A - IDENTIFICATION NUMBER CROSS REFERENCE TO PROPER SHIPPING NAMES IN § 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identification Number	(2) Source 172.***	(3) Description
UN 0268	102	Gaines, with detonator
UN 0271	102	Charges, propelling, for rocket motors
UN 0272	102	Charges, propelling, for rocket motors
UN 0273	102	Charges, propelling, for rocket motors
UN 0274	102	Charges, propelling, for rocket motors
UN 0275	102	Cartridges, power device
UN 0276	102	Cartridges, power device
UN 0277	102	Cartridges, oil well
UN 0278	102	Cartridges, oil well
UN 0279	102	Charges, propelling, for cannon
UN 0280	102	Rocket motors
UN 0281	102	Rocket motors
UN 0282	102	Nitroglycerine
UN 0283	102	Boosters
UN 0283	102	Gaines, without detonator
UN 0284	102	Grenades
UN 0285	102	Grenades
UN 0286	102	Warheads, rocket
UN 0287	102	Warheads, rocket
UN 0288	102	Charges, shaped, flexible, linear
UN 0289	102	Cord, detonating
UN 0290	102	Cord, detonating
UN 0291	102	Bombs
UN 0292	102	Grenades
UN 0293	102	Grenades
UN 0294	102	Mines
UN 0295	102	Rockets
UN 0296	102	Sounding devices, explosive
UN 0297	102	Ammunition, illuminating
UN 0299	102	Bombs, photo-flash
UN 0300	102	Ammunition, incendiary
UN 0301	102	Ammunition, tear-producing
UN 0303	102	Ammunition, smoke
UN 0305	102	Photo-flash powder
UN 0306	102	Tracers for ammunition
UN 0312	102	Cartridges, signal
UN 0313	102	Signals, smoke
UN 0314	102	Igniters
UN 0315	102	Igniters
UN 0316	102	Fuses, lighting
UN 0317	102	Fuses, lighting
UN 0318	102	Grenades, practice
UN 0319	102	Primers, tubular
UN 0320	102	Primers, tubular
UN 0321	102	Cartridges for weapons
UN 0322	102	Rocket motors
UN 0323	102	Cartridges, power device
UN 0324	102	Projectiles
UN 0325	102	Igniters
UN 0326	102	Cartridges for weapons, blank
UN 0327	102	Cartridges for weapons, blank
UN 0328	102	Cartridges for weapons, with inert projectile
UN 0329	102	Torpedoes
UN 0330	102	Torpedoes
UN 0331	102	Explosives, blasting, Type B
UN 0332	102	Explosives, blasting, Type E
UN 0333	102	Fireworks, Type A
UN 0334	102	Fireworks, Type B
UN 0335	102	Fireworks, Type C
UN 0336	102	Fireworks, Type D
UN 0337	102	Fireworks, Type D
UN 0338	102	Cartridges for weapons, blank
UN 0339	102	Cartridges for weapons, with inert projectile
UN 0340	102	Nitrocellulose with
UN 0341	102	Nitrocellulose with
UN 0342	102	Nitrocellulose with
UN 0343	102	Nitrocellulose with
UN 0344	102	Projectiles
UN 0345	102	Projectiles
UN 0346	102	Projectiles
UN 0347	102	Projectiles
UN 0348	102	Cartridges for weapons
UN 0349	102	Articles, explosive, n.o.s.
UN 0350	102	Articles, explosive, n.o.s.
UN 0351	102	Articles, explosive, n.o.s.
UN 0352	102	Articles, explosive, n.o.s.
UN 0353	102	Articles, explosive, n.o.s.
UN 0354	102	Articles, explosive, n.o.s.
UN 0355	102	Articles, explosive, n.o.s.

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APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 0366	102	Articles, explosive, n.o.s.
UN 0367	102	Substances, explosive, n.o.s.
UN 0368	102	Substances, explosive, n.o.s.
UN 0369	102	Substances, explosive, n.o.s.
UN 0360	102	Blasting cap assemblies, non- electric
UN 0361	102	Blasting cap assemblies, non- electric
UN 0362	102	Ammunition, practice
UN 0363	102	Ammunition, proof
UN 0364	102	Detonators for ammunition
UN 0365	102	Detonators for ammunition
UN 0366	102	Detonators for ammunition
UN 0367	102	Fuses, detonating
UN 0368	102	Fuses, timing
UN 0369	102	Warheads, rocket
UN 0370	102	Warheads, rocket
UN 0371	102	Warheads, rocket
UN 0372	102	Grenades, practice
UN 0373	102	Signal devices, hand
UN 0374	102	Sounding devices, explosive
UN 0375	102	Sounding devices, explosive
UN 0376	102	Primers, tubular
UN 0377	102	Primers, cap type
UN 0378	102	Primers, cap type
UN 0379	102	Cases, cartridge, empty, with primer
UN 0380	102	Articles, pyrophoric
UN 0381	102	Cartridges, power device
UN 0382	102	Components, explosive train, n.o.s.
UN 0383	102	Components, explosive train, n.o.s.
UN 0384	102	Components, explosive train, n.o.s.
UN 0385	102	5-Nitrobenzotriazole
UN 0386	102	Trinitrobenzenesulfonic acid
UN 0387	102	Trinitrofluorenone
UN 0388	102	Trinitrotoluene
UN 0389	102	Trinitrotoluene
UN 0390	102	Trinitro
UN 0391	102	Cyclotrimethylenetrinitramine mixed with cyclohexamethylenetrinitramine
UN 0392	102	Hexanitrostibene
UN 0393	102	Hexazotriazine
UN 0394	102	Trinitroresorcinol
UN 1001	101	Acetylene
UN 1002	102	Air
UN 1003	102	Air, compressed
UN 1004	102	Air
UN 1005	102	Ammonia
UN 1006	101	Ammonia, anhydrous
UN 1007	101	Argon
UN 1008	101	Boron trifluoride
UN 1009	102	Bromotrifluoromethane
UN 1010	101	Monobromotrifluoromethane
UN 1011	102	Butadiene
UN 1012	102	Butadiene, inhibited
UN 1013	102	Butane
UN 1014	102	Carbon dioxide
UN 1015	102	Carbon dioxide and oxygen
UN 1016	102	Carbon dioxide-oxygen mixture
UN 1017	102	Carbon dioxide and nitrous oxide
UN 1018	102	Carbon dioxide-nitrous oxide mixture
UN 1019	102	Carbon monoxide
UN 1020	101	Chlorine
UN 1021	102	Chlorodifluoromethane
UN 1022	102	Chlorodifluoromethane
UN 1023	102	Chlorodifluoromethane
UN 1024	102	Chlorodifluoromethane
UN 1025	102	Chlorodifluoromethane
UN 1026	102	Chlorodifluoromethane
UN 1027	102	Chlorodifluoromethane
UN 1028	102	Chlorodifluoromethane
UN 1029	102	Chlorodifluoromethane
UN 1030	102	Chlorodifluoromethane
UN 1031	102	Chlorodifluoromethane
UN 1032	102	Chlorodifluoromethane
UN 1033	102	Chlorodifluoromethane
UN 1034	102	Chlorodifluoromethane
UN 1035	102	Chlorodifluoromethane
UN 1036	102	Chlorodifluoromethane
UN 1037	102	Chlorodifluoromethane
UN 1038	102	Chlorodifluoromethane
UN 1039	102	Chlorodifluoromethane
UN 1040	102	Chlorodifluoromethane
UN 1041	102	Chlorodifluoromethane
UN 1042	102	Chlorodifluoromethane
UN 1043	102	Chlorodifluoromethane
UN 1044	102	Chlorodifluoromethane
UN 1045	102	Chlorodifluoromethane
UN 1046	102	Chlorodifluoromethane
UN 1047	102	Chlorodifluoromethane
UN 1048	102	Chlorodifluoromethane
UN 1049	102	Chlorodifluoromethane
UN 1050	102	Chlorodifluoromethane
UN 1051	102	Chlorodifluoromethane
UN 1052	102	Chlorodifluoromethane
UN 1053	102	Chlorodifluoromethane
UN 1054	102	Chlorodifluoromethane
UN 1055	102	Chlorodifluoromethane
UN 1056	102	Chlorodifluoromethane
UN 1057	102	Chlorodifluoromethane
UN 1058	102	Chlorodifluoromethane
UN 1059	102	Chlorodifluoromethane
UN 1060	102	Chlorodifluoromethane
UN 1061	102	Chlorodifluoromethane
UN 1062	102	Chlorodifluoromethane
UN 1063	102	Chlorodifluoromethane
UN 1064	102	Chlorodifluoromethane
UN 1065	102	Chlorodifluoromethane
UN 1066	102	Chlorodifluoromethane
UN 1067	102	Chlorodifluoromethane
UN 1068	102	Chlorodifluoromethane
UN 1069	102	Chlorodifluoromethane
UN 1070	102	Chlorodifluoromethane
UN 1071	102	Chlorodifluoromethane
UN 1072	102	Chlorodifluoromethane
UN 1073	102	Chlorodifluoromethane
UN 1074	102	Chlorodifluoromethane
UN 1075	102	Chlorodifluoromethane
UN 1076	102	Chlorodifluoromethane
UN 1077	102	Chlorodifluoromethane
UN 1078	102	Chlorodifluoromethane
UN 1079	102	Chlorodifluoromethane
UN 1080	102	Chlorodifluoromethane
UN 1081	102	Chlorodifluoromethane
UN 1082	102	Chlorodifluoromethane
UN 1083	102	Chlorodifluoromethane
UN 1084	102	Chlorodifluoromethane
UN 1085	102	Chlorodifluoromethane
UN 1086	102	Chlorodifluoromethane
UN 1087	102	Chlorodifluoromethane
UN 1088	102	Chlorodifluoromethane
UN 1089	102	Chlorodifluoromethane
UN 1090	102	Chlorodifluoromethane
UN 1091	102	Chlorodifluoromethane
UN 1092	102	Chlorodifluoromethane
UN 1093	102	Chlorodifluoromethane
UN 1094	102	Chlorodifluoromethane
UN 1095	102	Chlorodifluoromethane
UN 1096	102	Chlorodifluoromethane
UN 1097	102	Chlorodifluoromethane
UN 1098	102	Chlorodifluoromethane
UN 1099	102	Chlorodifluoromethane
UN 1100	102	Chlorodifluoromethane
UN 1101	102	Chlorodifluoromethane
UN 1102	102	Chlorodifluoromethane
UN 1103	102	Chlorodifluoromethane
UN 1104	102	Chlorodifluoromethane

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1)	(2)	(3)
Identifi- cation Number	Source 172.***	Description
UN 1098	102	Ethylene
UN 1099	101	Monoxymethylene
UN 1097	101	Ethyl chloride
UN 1096	102	Ethylene
UN 1098	101	Ethyl methyl ether
UN 1040	101	Ethylene oxide
UN 1041	102	Ethylene oxide and carbon dioxide
UN 1043	101	Croton nitrogen fertilizer solution
UN 1043	101	Fumaryl acrylonitrile solution
UN 1043	101	Phenyl acrylonitrile solution
UN 1044	101	Para-oxalaldehyde
UN 1044	102	Para-oxalaldehyde
UN 1045	101	Phosgene
UN 1046	101	Hydrogen bromide
UN 1046	101	Hydrogen
UN 1048	101	Hydrogen
UN 1050	101	Hydrogen chloride
UN 1051	101	Hydrogen, acid, liquefied
UN 1051	102	Hydrogen cyanide
UN 1052	102	Hydrogen fluoride
UN 1053	102	Hydrogen fluoride
UN 1053	102	Hydrogen fluoride
UN 1055	102	Isopentane
UN 1056	102	Krypton
UN 1057	101	Carbonyl fluoride
UN 1057	102	Lithium
UN 1059	102	Liquefied acid-halogenated gases charged with nitrogen, carbon dioxide or air
UN 1060	102	Methyl acetylene
UN 1060	101	Methylacetylene-propylene, stabilized
UN 1061	102	Methylamine
UN 1061	101	Methylamine, anhydrous
UN 1062	102	Methyl bromide
UN 1063	101	Methyl chloride
UN 1064	101	Methyl mercaptan
UN 1064	102	Methyl mercaptan
UN 1065	101	Neon
UN 1066	101	Nitrogen
UN 1067	102	Nitrogen dioxide
UN 1067	101	Nitrogen dioxide, liquid
UN 1067	101	Nitrogen peroxide, liquid
UN 1067	101	Nitrogen tetroxide, liquid
UN 1069	101	Nitrosyl chloride
UN 1070	101	Nitrous oxide
UN 1071	102	Oil gas
UN 1072	101	Oxygen
UN 1073	102	Oxygen
UN 1073	101	Oxygen, pressurized liquid
UN 1075	101	Liquefied petroleum gas
UN 1075	102	Petroleum gases
UN 1076	101	Phosgene
UN 1077	102	Phosgene
UN 1078	102	Refrigerant gases, n.o.s.
UN 1079	101	Sulfur dioxide
UN 1079	102	Sulfur dioxide
UN 1080	101	Sulfur hexafluoride
UN 1081	102	Tetrafluoroethylene
UN 1081	101	Tetrafluoroethylene, inhibited
UN 1082	101	Trichloroethylene
UN 1082	102	Trichloroethylene
UN 1083	102	Trichloroethylene
UN 1083	101	Trinitroethylene, anhydrous
UN 1085	102	Vinyl bromide
UN 1086	101	Vinyl chloride
UN 1087	101	Vinyl methyl ether
UN 1088	101	Acetal
UN 1089	101	Acetaldehyde
UN 1090	101	Acetone
UN 1091	101	Acetone or
UN 1091	102	Acetone oils
UN 1092	102	Acrolein
UN 1092	101	Acrolein, inhibited
UN 1093	101	Acrylonitrile
UN 1095	102	Alcohol
UN 1096	102	Alcohol
UN 1098	101	Allyl alcohol
UN 1099	101	Allyl bromide
UN 1100	101	Allyl chloride
UN 1101	102	Diethylzincchloride
UN 1102	102	Aluminum methyl
UN 1103	102	Aluminum methyl
UN 1104	101	Acid solution

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§172.101 AND §172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1156...	101	Diethyl ketone
UN 1157...	101	Diisobutyl ketone
UN 1158...	101	Diisopropylamine
UN 1159...	101	Diisopropyl ether
UN 1160...	102	Dimethylamine
UN 1160...	101	Dimethylamine, aqueous solution
UN 1161...	101	Dimethyl carbonate
UN 1162...	101	Dimethyldichlorosilane
UN 1163...	102	Dimethyldiazine
UN 1163...	101	Dimethyldiazine, unsymmetrical
UN 1164...	101	Dimethyl sulfide
UN 1164...	102	Dimethyl sulphide
UN 1165...	101	Dioxane
UN 1166...	101	Dioxolane
UN 1167...	101	Dwiny ether
UN 1168...	102	Others
UN 1168...	101	Paint drier, liquid
UN 1169...	102	Extracts
UN 1170...	101	Alcoholic beverage
NA 1170...	101	Cologne spirits
UN 1170...	102	Ethanol
UN 1170...	101	Ethyl alcohol
UN 1171...	102	2-Ethoxyethanol
UN 1171...	101	Ethylene glycol monoethyl ether
UN 1172...	102	2-Ethoxyethyl acetate
UN 1172...	101	Ethylene glycol monoethyl ether acetate
UN 1173...	101	Ethyl acetate
UN 1175...	101	Ethyl benzene
UN 1175...	102	Ethylbenzene
UN 1176...	101	Ethyl borate
UN 1177...	102	Ethylbutyl acetate
UN 1177...	101	Ethyl butyl acetate
UN 1178...	102	2-Ethylbutyraldehyde
UN 1178...	101	Ethyl butyraldehyde
UN 1179...	101	Ethyl butyl ether
UN 1180...	101	Ethyl butyrate
UN 1181...	101	Ethyl chloroacetate
UN 1182...	101	Ethyl chloroformate
UN 1183...	101	Ethyl dichlorosilane
UN 1183...	102	Ethyl dichlorosilane
UN 1184...	101	Ethylene dichloride
UN 1185...	102	Ethyleneimine
UN 1185...	101	Ethyleneimine, inhibited
UN 1188...	101	Ethylene glycol monomethyl ether
UN 1189...	101	Ethylene glycol monomethyl ether acetate
UN 1190...	101	Ethyl formate
UN 1191...	102	Ethyl hexaldehyde
UN 1191...	101	Ethylhexaldehyde
UN 1192...	101	Ethyl iodate
UN 1193...	101	Ethyl methyl ketone
UN 1193...	101	Methyl ethyl ketone
UN 1194...	102	Ethyl nitrite
UN 1194...	101	Ethyl nitrite (nitrous ether)
UN 1195...	101	Ethyl propionate
UN 1196...	101	Ethyl trichlorosilane
UN 1196...	102	Ethyltrichlorosilane
UN 1197...	101	Extract, liquid, flavoring
UN 1197...	102	Extracts
UN 1198...	102	Formaldehyde
UN 1198...	101	Formaldehyde solution
UN 1199...	101	Furfural
UN 1201...	101	Fusel oil
UN 1202...	102	Gas oil
UN 1203...	102	Gasoline
NA 1203...	101	Motor fuel, n.o.s.
UN 1204...	102	Glycerol trinitrate
NA 1204...	101	Spirits of nitroglycerin
NA 1204...	101	Spirits of nitroglycerin, not exceeding 1% nitroglycerin by weight
UN 1205...	102	Gutta percha
UN 1206...	101	Heptane
UN 1207...	101	Hexaldehyde
UN 1208...	101	Hexane
UN 1208...	101	Neohexane
UN 1210...	101	Isa
UN 1210...	102	Isa, printers
UN 1212...	102	Isobutanol
UN 1213...	101	Isobutyl acetate
UN 1214...	101	Isobutylamine
UN 1215...	101	Isocitane
UN 1218...	101	Isoprene
UN 1219...	101	Isopropenol
UN 1220...	101	Isopropyl acetate

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§172.101 AND §172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1221...	101	Isopropylamine
UN 1222...	101	Isopropyl nitrate
UN 1223...	101	Kerosene
UN 1224...	102	Ketones
UN 1226...	101	Cigarette lighter
UN 1226...	101	Lighter fluid
UN 1226...	102	Lighter fuels
UN 1226...	102	Lighters
NA 1226...	101	Mercaptan mixture, aliphatic
UN 1226...	102	Mercaptans and mercaptan mixtures
UN 1229...	101	Methyl oxide
UN 1230...	101	Columbian spirits
UN 1230...	102	Methanol
UN 1230...	101	Methyl alcohol
UN 1231...	101	Methyl acetate
UN 1232...	101	Methyl acetone
UN 1233...	101	Methylethyl acetate
UN 1234...	101	Methylal
UN 1235...	102	Methylamine
UN 1235...	101	Methylamine, aqueous solution
UN 1237...	101	Methyl butyrate
UN 1238...	101	Methyl chloroformate
UN 1239...	102	Methylchloromethyl ether, anhydrous
UN 1239...	101	Methyl dichlorosilane
UN 1242...	102	Methyldichlorosilane
UN 1242...	101	Methyl formate
UN 1243...	101	Methylhydrazine
UN 1244...	101	Methyl isobutyl ketone
UN 1245...	102	Methyl isopropenyl ketone
UN 1246...	101	Methyl isopropenyl ketone, inhibited
UN 1247...	102	Methyl methacrylate
UN 1247...	101	Methyl methacrylate monomer, inhibited
NA 1247...	101	Methyl methacrylate monomer, uninhibited
UN 1248...	101	Methyl propylate
UN 1249...	101	Methyl propyl ketone
UN 1250...	101	Methyltrichlorosilane
UN 1251...	102	Methyl vinyl ketone
UN 1251...	101	Methyl vinyl ketone, inhibited
UN 1255...	102	Naphtha, petroleum
UN 1255...	101	Petroleum naphtha
UN 1256...	101	Naphtha, solvent
UN 1257...	102	Casinghead gasoline
NA 1257...	101	Gasoline
UN 1259...	101	Nickel carbonyl
UN 1261...	101	Nitromethane
UN 1262...	101	Isocitane
UN 1262...	101	Octane
NA 1263...	101	Compound, enamel
NA 1263...	101	Lacquer base or Lacquer chips, plastic
UN 1263...	101	Paint, Enamel, Lacquer, Stain, Shellac, or Varnish; Aluminum, Bronze, Gold, Wood filler, liquid or Lacquer base, liquid
UN 1263...	102	Paint, enamel, lacquer, stain, shellac, varnish, polish, filler (liquid), lacquer base and thinner
UN 1264...	101	Paraldehyde
UN 1265...	101	Isopentane
UN 1265...	101	Pentane
UN 1266...	102	Perfumery products
UN 1267...	102	Petroleum crude oil
NA 1268...	101	Naphtha distillate
UN 1268...	101	Petroleum distillate
UN 1268...	102	Petroleum distillates, n.o.s.
NA 1268...	101	Road oil
NA 1270...	101	Oil
UN 1270...	102	Petroleum oil
UN 1271...	101	Petroleum ether
UN 1271...	102	Petroleum spirit
UN 1272...	101	Pine oil
UN 1274...	102	Propenol
UN 1274...	101	Propyl alcohol
UN 1275...	101	Propionaldehyde
UN 1276...	102	n-Propyl acetate
UN 1276...	101	Propyl acetate
UN 1277...	102	Monopropylamine
UN 1277...	101	Propylamine
UN 1278...	101	Propyl chloride
UN 1279...	101	Propylene dichloride
UN 1280...	101	Propylene oxide
UN 1281...	101	Propyl formate

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§172.101 AND §172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1281...	102	Propyl formate
UN 1282...	101	Pyridine
UN 1286...	102	Rosin oil
UN 1287...	102	Rubber solution
UN 1288...	102	Shale oil
UN 1289...	102	Sodium methylate
NA 1289...	101	Sodium methylate, alcohol mixture
UN 1292...	101	Ethyl silicate
UN 1292...	102	Talcumethyl silicate
UN 1293...	102	Tinctures
UN 1294...	101	Toluene
UN 1295...	101	Trichlorosilane
UN 1296...	101	Trimethylamine
UN 1297...	102	Trimethylamine, aqueous solution
UN 1297...	101	Trimethylchlorosilane
UN 1299...	101	Turpentine
UN 1300...	101	Turpentine substitute
UN 1301...	101	Vinyl acetate
UN 1302...	102	Vinyl ethyl ether
UN 1302...	101	Vinyl ethyl ether, inhibited
UN 1303...	101	Vinylidene chloride, inhibited
UN 1304...	101	Vinyl isobutyl ether
UN 1305...	101	Vinyl trichlorosilane
UN 1307...	101	Xylene
UN 1307...	102	Xylenes
UN 1308...	102	Zirconium
UN 1308...	101	Zirconium, metal, liquid, suspensions
UN 1309...	102	Aluminum
UN 1310...	102	Ammonium picrate
UN 1310...	101	Ammonium picrate, wet
UN 1312...	102	Borax
UN 1313...	101	Calcium resinates
UN 1314...	102	Calcium resinates
UN 1314...	101	Calcium resinates, fused
UN 1316...	102	Cobalt resinates
UN 1316...	101	Cobalt resinates, precipitated
UN 1320...	102	Dinitrophenol
UN 1321...	102	Dinitrophenolates
UN 1322...	102	Dinitroresorcinols
UN 1323...	102	Ferrocenium
NA 1324...	101	Film
UN 1324...	102	Film, motion picture
NA 1325...	101	Antimony sulfide, solid
NA 1325...	101	Bam cotton, not replicated
NA 1325...	101	Cosmetics, n.o.s.
NA 1325...	101	Drugs, n.o.s.
UN 1325...	101	Flammable solid, n.o.s.
UN 1325...	102	Flammable solids, n.o.s.
NA 1325...	101	Fusae
NA 1325...	101	Garbage tankage
NA 1325...	101	N-Methyl-N-nitro-N-nitrosoguanidine
NA 1325...	101	Paper stock, wet
NA 1325...	101	Rags, wet
NA 1325...	101	Rough ammoniate tankage
NA 1325...	101	Self-lighting cigarette
NA 1325...	101	Smokeless powder for small arms
NA 1325...	101	Tankage fertilizer
NA 1325...	101	Tankage, rough ammoniate
NA 1325...	101	Waste paper, wet
UN 1325...	102	Zirconium
UN 1326...	102	Helium metal powder, wet
UN 1326...	101	Helium metal, wet
UN 1327...	102	Onusa
UN 1327...	101	Hay
UN 1327...	101	Hay or straw
UN 1327...	102	Staw
UN 1328...	102	Hexamine
UN 1330...	102	Manganese resinates
UN 1331...	102	Matches
UN 1331...	101	Matches, strike anywhere
UN 1332...	102	Metaldehyde
UN 1333...	102	Methylmetal
UN 1334...	102	Naphthalene
UN 1334...	101	Naphthalene or Naphthaim
UN 1336...	102	Nitroguanidine
UN 1336...	101	Nitroguanidine, wet with not less than 20% water
UN 1337...	102	Nitrosalch
UN 1337...	101	Nitrosalch, wet with not less than 20% water
UN 1338...	102	Phosphorus
UN 1338...	101	Phosphorus, amorphous, red
UN 1339...	101	Phosphorus heptasulfide
UN 1339...	102	Phosphorus heptasulfide

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REFERENCE TO PROPER SHIPPING NAMES IN
§172.101 AND §172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1340	101	Phosphorus pentasulfide
UN 1340	102	Phosphorus pentasulfide
UN 1341	101	Phosphorus sesquisulfide
UN 1341	102	Phosphorus sesquisulfide
UN 1343	101	Phosphorus trisulfide
UN 1343	102	Phosphorus trisulfide
UN 1344	102	Picric acid
NA 1344	101	Picric acid, wet, with not less than 10% water
UN 1345	102	Rubber scrap
NA 1345	101	Rubber scrap or Rubber buffings
NA 1345	101	Rubber shoddy or Rubber, regenerated or Rubber, reclaimed
UN 1346	102	Silicon powder
UN 1348	102	Sodium dinitro-o-cresolate
UN 1349	102	Sodium picramate
UN 1349	101	Sodium picramate, wet
UN 1350	101	Sulfur, acid
UN 1350	102	Sulfur
UN 1352	102	Titanium metal powder, wet
NA 1352	101	Titanium metal powder, wet with 20% or more water
UN 1353	102	Toe pulls
UN 1354	102	Trinitrobenzene
UN 1354	101	Trinitrobenzene, wet
UN 1355	102	Trinitrobenzoic acid
UN 1355	101	Trinitrobenzoic acid, wet
UN 1356	102	Trinitrotoluene
UN 1356	101	Trinitrotoluene, wet
UN 1357	102	Urea nitrate
NA 1357	101	Urea nitrate, wet
UN 1358	102	Zirconium metal powder, wet
UN 1358	101	Zirconium metal, wet
UN 1359	102	Bags
UN 1359	101	Bags, sodium nitrate, empty and unwashed
UN 1360	101	Calcium phosphide
UN 1361	102	Carbon, non-activated
NA 1361	101	Charcoal briquettes or briquets
NA 1361	101	Charcoal screenings, made from "pinon" wood
NA 1361	101	Charcoal, shell
NA 1361	101	Charcoal, wood, ground, crushed, granulated, or pulverized
NA 1361	101	Charcoal, wood, lump
NA 1361	101	Charcoal wood screenings, other than "pinon" wood screenings
NA 1361	101	Coal, ground bituminous, see coal, coal facings
UN 1362	102	Carbon, activated
UN 1362	101	Charcoal, activated
UN 1363	101	Copra
UN 1364	102	Cotton waste
UN 1364	101	Cotton waste, oily
UN 1365	102	Cotton
UN 1366	102	Diethylzinc
UN 1367	102	Dimethylmagnesium
UN 1368	102	Dimethylmagnesium
UN 1369	102	Dimethyl-p-nitrosocyaniline
UN 1369	102	p-Nitrosodimethylcyaniline
UN 1370	102	Dimethylzinc
UN 1371	102	Driers
NA 1372	101	Burnt fiber
NA 1372	101	Fibers
NA 1372	101	Fibers, burnt
UN 1372	102	Fibres
NA 1372	101	Hair, wet
UN 1373	102	Fabnc
NA 1373	101	Fibers or fabric, containing not more than 5% animal or vegetable oil
UN 1373	102	Fibres
UN 1374	102	Fishmeal or fish scrap
NA 1374	101	Fish meal or fish scrap containing less than 6% or more than 12% water
UN 1375	102	Pyrophoric fuel, n.o.s.
UN 1376	101	Iron mass or sponge, spent
UN 1376	102	Iron oxide
UN 1376	102	Nickel catalyst
UN 1376	101	Nickel catalyst, wet
UN 1379	102	Paper
UN 1380	101	Pentaborane
UN 1381	102	Phosphorus
UN 1381	101	Phosphorus, white or yellow, dry
UN 1381	101	Phosphorus, white or yellow, in water

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§172.101 AND §172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1382	102	Alkaline earth metal amalgams, n.o.s.
UN 1382	101	Potassium sulfide
UN 1382	102	Potassium sulphide
UN 1383	101	Iron mass or sponge
UN 1383	102	Pyrophoric alloys
UN 1383	102	Pyrophoric metals
UN 1384	102	Sodium dithionite
UN 1384	101	Sodium hydrosulfide
UN 1385	101	Sodium sulfide, anhydrous
UN 1385	102	Sodium sulphide
UN 1386	102	Seed cake
UN 1387	101	Waste wool, wet
UN 1387	102	Wool waste
UN 1389	102	Alkali metal amalgams, n.o.s.
UN 1390	102	Alkali metal amides, n.o.s.
UN 1391	102	Alkali metal dispersions, n.o.s.
UN 1393	102	Alloys of alkaline earth metals
UN 1394	102	Aluminium carbide
UN 1395	102	Aluminium ferrosilicon
UN 1396	102	Aluminium
UN 1396	101	Aluminium, metallic, powder
UN 1397	102	Aluminium phosphide
UN 1397	101	Aluminium phosphide
UN 1398	102	Aluminium silicon
UN 1399	102	Barium
UN 1400	102	Barium
UN 1401	101	Calcium
NA 1401	101	Calcium, metal, crystalline
UN 1402	101	Calcium carbide
UN 1403	102	Calcium cyanamide
UN 1403	101	Calcium cyanamide, not hydrated
UN 1404	102	Calcium hydride
UN 1405	102	Calcium silicide
UN 1406	102	Calcium silicon
UN 1407	102	Cesium
UN 1407	101	Cesium metal
UN 1408	101	Ferrosilicon
UN 1409	102	Hydrides
UN 1410	102	Lithium aluminum hydride
UN 1410	101	Lithium aluminum hydride
UN 1411	102	Lithium aluminum hydride
UN 1411	101	Lithium aluminum hydride, ethereal
UN 1412	102	Lithium amide
UN 1412	101	Lithium amide, powdered
UN 1413	101	Lithium borohydride
UN 1414	101	Lithium hydride
UN 1415	102	Lithium
UN 1415	101	Lithium metal
NA 1415	101	Lithium metal, in cartridges
UN 1417	101	Lithium silicon
UN 1418	102	Magnesium
UN 1418	102	Magnesium alloys
UN 1419	102	Magnesium aluminum phosphide
UN 1419	101	Magnesium aluminum phosphide
UN 1420	102	Potassium, metal alloys
UN 1420	101	Potassium, metal liquid alloy
UN 1421	102	Alkali metals
UN 1421	101	Sodium, metal liquid alloy
UN 1422	102	Potassium-sodium
UN 1422	101	Sodium potassium alloy (liquid)
UN 1422	101	Sodium potassium alloy (solid)
UN 1423	102	Rubidium
UN 1423	101	Rubidium metal
NA 1423	101	Rubidium metal, in cartridges
UN 1424	102	Sodium amalgam
UN 1425	101	Sodium amide
UN 1426	102	Sodium borohydride
UN 1427	101	Sodium hydride
UN 1428	102	Sodium
UN 1428	101	Sodium, metal or metallic
UN 1429	102	Sodium
UN 1429	101	Sodium, metal dispersion in organic solvent
UN 1431	102	Sodium methylate
UN 1431	101	Sodium methylate, dry
UN 1432	101	Sodium phosphide
UN 1433	101	Stannic phosphide
UN 1433	102	Stannic phosphides
UN 1434	102	Strontium
UN 1435	102	Zinc ashes
UN 1436	102	Zinc
UN 1437	101	Zirconium hydride
UN 1438	102	Aluminium nitrate

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§172.101 AND §172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1438	101	Aluminum nitrate
UN 1439	101	Ammonium dichromate
UN 1442	101	Ammonium perchlorate
UN 1444	102	Ammonium persulfate
UN 1445	101	Barium chlorate, wet
NA 1445	101	Barium chlorate, wet
UN 1446	101	Barium nitrate
UN 1447	101	Barium perchlorate
UN 1448	101	Barium permanganate
UN 1449	102	Barium peroxide
UN 1449	101	Barium peroxide
UN 1450	102	Bromates
UN 1451	102	Cesium nitrate
UN 1452	101	Calcium chlorate
UN 1453	101	Calcium chlorite
UN 1454	101	Calcium nitrate
UN 1455	102	Calcium perchlorate
UN 1456	101	Calcium permanganate
UN 1457	101	Calcium peroxide
UN 1458	102	Borate and chlorate mixture
UN 1458	101	Chlorate and borate mixture
UN 1459	102	Chlorate and magnesium chloride
UN 1459	101	Chlorate and magnesium chloride mixture
UN 1461	101	Chlorate, n.o.s.
NA 1461	101	Chlorate, n.o.s., wet
UN 1461	102	Chlorates
UN 1462	102	Chlorites
NA 1463	101	Chromic acid mixture, dry
NA 1463	101	Chromic acid, solid
UN 1463	102	Chromium trioxide
UN 1464	102	Dichromates
UN 1465	102	Didymium nitrate
UN 1466	101	Ferric nitrate
UN 1467	101	Guandine nitrate
UN 1469	101	Lead nitrate
UN 1470	102	Lead perchlorate
UN 1471	102	Lithium hypochlorite
UN 1471	101	Lithium hypochlorite compound, dry
UN 1472	101	Lithium peroxide
UN 1473	102	Magnesium bromate
UN 1474	101	Magnesium nitrate
UN 1475	101	Magnesium perchlorate
UN 1476	102	Magnesium peroxide
UN 1476	101	Magnesium peroxide, solid
NA 1477	101	Ammonium sulfate nitrate
NA 1477	101	Nitrates, n.o.s.
UN 1477	102	Nitrates
UN 1478	102	Sodium nitrate and potash
NA 1479	101	Compound, tree or weed killing, solid
NA 1479	101	Cosmetics, n.o.s.
NA 1479	101	Cupric nitrate
NA 1479	101	Drugs, n.o.s.
NA 1479	101	Manganese dioxide
UN 1479	101	Oxidizer, n.o.s. or Oxidizing material, n.o.s.
UN 1479	102	Oxidizing substances, n.o.s.
NA 1479	101	Potassium dichromate
NA 1479	101	Sodium dichromate
UN 1480	102	Perborates
NA 1481	101	Perchlorate, n.o.s.
UN 1481	102	Perchlorates
NA 1482	101	Permanganate, n.o.s.
UN 1482	102	Permanganates
UN 1483	102	Peroxides
UN 1484	101	Potassium bromate
UN 1485	101	Potassium chlorate
UN 1486	101	Potassium nitrate
UN 1487	102	Potassium nitrate and sodium nitrite
UN 1487	101	Sodium nitrite mixed
NA 1487	101	Sodium nitrite mixture
UN 1488	101	Potassium nitrite
UN 1489	101	Potassium perchlorate
UN 1490	101	Potassium permanganate
UN 1491	101	Potassium peroxide
UN 1492	102	Potassium persulfate
UN 1493	101	Silver nitrate
UN 1494	101	Sodium bromate
UN 1495	101	Sodium chlorate
UN 1496	101	Sodium chlorite
UN 1498	101	Sodium nitrate
UN 1498	102	Sodium nitrate and potassium nitrate
UN 1500	101	Sodium nitrite
UN 1502	101	Sodium perchlorate

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§ 172.101 AND § 172.102—Continued

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(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1503	101	Sodium permanganate
UN 1504	101	Sodium peroxide
UN 1505	102	Sodium persulfate
UN 1506	101	Strontium chlorate
UN 1506	101	Strontium chlorate, wet
UN 1507	101	Strontium nitrate
UN 1508	102	Strontium perchlorate
UN 1509	101	Strontium peroxide
UN 1510	101	Tetranitromethane
UN 1511	102	Urea hydrogen peroxide
NA 1511	101	Urea peroxide
UN 1512	101	Zinc ammonium nitrite
UN 1513	101	Zinc chlorate
UN 1514	101	Zinc nitrate
UN 1515	101	Zinc permanganate
UN 1516	101	Zinc peroxide
UN 1517	102	Zirconium picramate
UN 1517	101	Zirconium picramate, wet
UN 1541	101	Acetone cyanohydrin
UN 1542	102	Aldrin
UN 1544	102	Alkaloids
UN 1545	102	Allyl isothiocyanate
UN 1546	102	Ammonium arsenate
UN 1546	101	Ammonium arsenate, solid
UN 1547	102	Aniline
UN 1547	101	Aniline oil, liquid
UN 1548	102	Aniline hydrochloride
UN 1549	102	Antimony compounds
NA 1549	101	Antimony trichloride, solid
NA 1549	101	Antimony trichloride solution
NA 1549	101	Antimony trifluoride, solid
NA 1549	101	Antimony trifluoride solution
UN 1550	102	Antimony lactate
UN 1550	101	Antimony lactate, solid
UN 1551	102	Antimony potassium tartrate
UN 1551	101	Antimony potassium tartrate, solid
UN 1553	102	Arsenic acid
UN 1553	101	Arsenic acid solution
UN 1554	102	Arsenic acid
UN 1554	101	Arsenic acid, solid
UN 1555	102	Arsenic bromide
UN 1555	101	Arsenic bromide, solid
UN 1556	101	Arsenic compound, liquid, n.o.s., or
UN 1556	101	Arsenic mixture, liquid, n.o.s.
UN 1556	102	Arsenic compounds
NA 1556	101	Methyldichloroarsine
NA 1556	101	Phenyldichloroarsine
UN 1557	101	Arsenic compound, solid, n.o.s., or
UN 1557	101	Arsenic mixture, solid, n.o.s.
NA 1557	101	Arsenic dip, liquid
UN 1557	102	Arsenic compounds
NA 1557	101	Arsenic iodide, solid
NA 1557	101	Arsenic iodide, solid
NA 1557	101	Arsenic iodide
UN 1558	102	Arsenic, metallic
UN 1558	101	Arsenic, solid
UN 1559	102	Arsenic pentoxide
UN 1559	101	Arsenic pentoxide, solid
UN 1560	102	Arsenic trichloride
UN 1560	101	Arsenic trichloride, liquid
UN 1561	102	Arsenic trioxide
UN 1561	101	Arsenic trioxide, solid
UN 1562	101	Arsenical dust
UN 1564	102	Barium compounds, n.o.s.
UN 1565	102	Barium cyanide
UN 1565	101	Barium cyanide, solid
NA 1566	101	Beryllium chloride
UN 1566	101	Beryllium compound, n.o.s.
UN 1566	102	Beryllium compounds
NA 1566	101	Beryllium fluoride
UN 1567	102	Beryllium
UN 1568	102	Bordeaux arsenites
UN 1569	102	Bromoacetone
UN 1569	101	Bromoacetone, liquid
UN 1570	102	Brucine
UN 1570	101	Brucine, solid
UN 1571	102	Berium azide
UN 1571	101	Berium azide, wet
UN 1572	102	Cacodylic acid
UN 1573	102	Calcium arsenate
UN 1573	101	Calcium arsenate, solid
UN 1574	102	Calcium arsenate and arsenite
NA 1574	101	Calcium arsenite, solid
UN 1575	102	Calcium cyanide
UN 1575	101	Calcium cyanide, solid or Calcium cyanide mixture, solid

APPENDIX A - IDENTIFICATION NUMBER CROSS
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§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1577	102	Chlorodinitrobenzene
UN 1577	101	Dinitrochlorobenzene
UN 1578	102	Chloronitrobenzenes
NA 1578	101	Nitrochlorobenzene, meta or para, solid
NA 1578	101	Nitrochlorobenzene, ortho, liquid
UN 1579	102	4-Chloro-o-toluidine hydrochloride
UN 1579	101	4-Chloro-o-toluidine hydrochloride
UN 1580	102	Chloroplatin
UN 1580	101	Chloroplatin, liquid
UN 1581	102	Chloroplatin and methyl bromide
NA 1581	101	Methyl bromide and more than 2% chloroplatin mixture, liquid
NA 1581	101	Methyl bromide, liquid
UN 1582	102	Chloroplatin and methyl chloride
UN 1582	101	Chloroplatin and methyl chloride mixture
NA 1583	101	Chloroplatin, absorbed
UN 1583	101	Chloroplatin mixture
UN 1583	102	Chloroplatin mixture, n.o.s.
UN 1584	102	Cocculus
UN 1584	101	Cocculus, solid
UN 1585	102	Copper acetoarsenite
UN 1585	101	Copper acetoarsenite, solid
UN 1586	102	Copper arsenite
UN 1586	101	Copper arsenite, solid
UN 1587	101	Copper cyanide
UN 1588	101	Cyanide or cyanide mixture, dry
UN 1588	102	Cyanides
NA 1588	101	Cyanide solution, n.o.s.
UN 1588	101	Cyanogen chloride
UN 1589	102	Dichloroanilines
UN 1591	101	Dichlorobenzene, ortho, liquid
UN 1591	102	Dichlorobenzenes
UN 1592	101	Dichlorobenzene, para, solid
UN 1592	102	p-Dichlorobenzene
UN 1593	102	Dichloromethane
UN 1593	101	Dichloromethane or Methylene chloride
UN 1594	102	Diethyl sulphate
UN 1595	101	Dimethyl sulfite
UN 1595	102	Dimethyl sulphate
UN 1596	102	Dinitroanilines
UN 1597	102	Dinitrobenzenes
UN 1597	101	Dinitrobenzenes, solid, or Dinitrobenzol, solid
UN 1597	101	Dinitrobenzene solution
UN 1598	102	4,6-Dinitro-o-cresol
UN 1599	102	Dinitrophenol
UN 1599	101	Dinitrophenol solution
UN 1600	101	Dinitrotoluenes
UN 1600	102	Dinitrotoluenes
UN 1601	101	Disinfectant, liquid
UN 1601	102	Disinfectants
UN 1601	101	Disinfectant, solid
(UN 1601)	102	Germicides
UN 1602	102	Dye intermediates
UN 1603	102	Ethyl bromoacetate
UN 1604	101	Ethylendiamine
UN 1605	101	Ethylene dibromide
UN 1606	102	Ferric arsenate
UN 1606	101	Ferric arsenate, solid
UN 1607	102	Ferric arsenite
UN 1607	101	Ferric arsenite, solid
UN 1608	101	Ferrous arsenate
UN 1609	102	Fungicides
UN 1610	102	Halogenated-irritating liquids, n.o.s.
UN 1611	102	Heatsol tetraphosphate
UN 1611	101	Heatsol tetraphosphate, liquid
UN 1612	102	Heatsol tetraphosphate
UN 1612	101	Heatsol tetraphosphate and compressed gas mixture
UN 1613	101	Hydrocyanic acid
UN 1613	101	Hydrocyanic acid solution, less than 5% hydrocyanic acid
UN 1614	102	Hydrogen cyanide
UN 1615	102	Isocyanides, n.o.s.
UN 1616	101	Lead acetate
UN 1617	102	Lead arsenate
UN 1617	101	Lead arsenate, solid
UN 1618	102	Lead arsenite
UN 1618	101	Lead arsenite, solid
UN 1620	101	Lead cyanide
UN 1621	102	London purple
UN 1621	101	London purple, solid

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1622	102	Magnesium arsenate
UN 1622	101	Magnesium arsenate, solid
UN 1623	102	Mercuric arsenate
UN 1624	102	Mercuric chloride
UN 1624	101	Mercuric chloride, solid
UN 1625	101	Mercuric nitrate
UN 1626	102	Mercuric potassium cyanide
UN 1626	101	Mercuric potassium cyanide, solid
UN 1627	101	Mercurous nitrate, solid
UN 1628	101	Mercurous sulfate
UN 1628	102	Mercurous sulphate
UN 1629	101	Mercuric acetate
UN 1629	101	Mercurous acetate, solid
UN 1629	102	Mercuric ammonium chloride, solid
UN 1630	102	Mercuric ammonium chloride
UN 1631	101	Mercuric benzoate, solid
UN 1631	102	Mercury benzoate
UN 1633	102	Mercury bisphosphate
UN 1634	101	Mercuric bromide, solid
UN 1634	101	Mercurous bromide, solid
UN 1634	102	Mercury bromide
UN 1636	101	Mercuric cyanide, solid
UN 1636	102	Mercury cyanide
UN 1637	101	Mercurous gluconate, solid
UN 1637	102	Mercury gluconate
UN 1638	101	Mercuric iodide, solid
NA 1638	101	Mercurous iodide solution
NA 1638	101	Mercurous iodide, solid
UN 1638	102	Mercury iodide
UN 1639	101	Mercuric or Mercury nucleate, solid
UN 1639	102	Mercury nucleate
UN 1640	101	Mercuric oleate, solid
UN 1640	102	Mercury oleate
UN 1641	101	Mercuric oxide, solid
UN 1641	101	Mercurous oxide, black, solid
UN 1641	102	Mercury oxide
UN 1642	101	Mercuric mycyanide, solid
UN 1642	102	Mercury mycyanide
UN 1643	101	Mercuric potassium iodide, solid
UN 1643	102	Mercury potassium iodide
UN 1644	101	Mercuric selenate, solid
UN 1644	102	Mercury selenate
UN 1645	101	Mercuric sulfate, solid
UN 1645	102	Mercurous sulfate
UN 1646	101	Mercuric sulfocyanate, solid or Mercuric thiocyanate, solid
UN 1646	102	Mercury thiocyanate
UN 1647	102	Methyl bromide and ethylene dibromide mixture, liquid
UN 1647	101	Methyl bromide - ethylene dibromide mixture, liquid
UN 1648	101	Acetonitrile
UN 1648	102	Methyl cyanide
UN 1649	101	Motor fuel antiknock compound or Antiknock compound
UN 1649	102	Motor fuel anti-knock mixtures
NA 1649	101	Tetraethyl lead, liquid
UN 1650	102	Naphthylamine
UN 1651	102	alpha-Naphthylamines
UN 1652	102	Naphthylurea
UN 1653	102	Nickel cyanide
UN 1653	101	Nickel cyanide, solid
UN 1654	102	Nicotine
UN 1654	101	Nicotine, liquid
UN 1655	102	Nicotine
UN 1656	101	Nicotine hydrochloride
UN 1657	101	Nicotine selenate
UN 1658	101	Nicotine sulfate, liquid
UN 1658	101	Nicotine sulfate, solid
UN 1659	102	Nicotine sulphate
UN 1659	101	Nicotine tartrate
UN 1660	101	Nitric oxide
UN 1661	101	Nitroaniline
UN 1661	102	Nitrobenzene
UN 1662	102	Nitrobenzene
UN 1662	101	Nitrobenzene, liquid or Nitrobenzol, liquid
UN 1663	101	Nitrophenol
UN 1663	102	Nitrophenols
UN 1664	101	Nitrothiourea
UN 1664	102	Nitrothiourea
UN 1665	102	Nitroxyamine
NA 1665	101	Nitroxyamine
UN 1666	102	Paraffin

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This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1669	102	Pentachloroethane
UN 1670	101	Pentachloromethyl mercaptan
UN 1670	102	Pentachloromethyl-mercaptan
UN 1671	101	Phenol
UN 1672	102	Phenylcarbamylamine chloride
UN 1673	101	Phenylenediamine, meta or para, solid
UN 1673	102	Phenylenediamine
UN 1674	102	Phenylmercuric acetate
UN 1677	102	Potassium arsenate
UN 1677	101	Potassium arsenate, solid
UN 1678	102	Potassium arsenite
UN 1678	101	Potassium arsenite, solid
UN 1679	102	Potassium cuprocyanide
UN 1680	102	Potassium cyanide
UN 1680	101	Potassium cyanide, solid
UN 1680	101	Potassium cyanide solution
UN 1681	102	Rodenticides, n.o.s.
UN 1682	102	Sheep dips
UN 1683	102	Silver arsenite
UN 1684	101	Silver cyanide
UN 1685	101	Sodium arsenate
UN 1686	101	Sodium arsenite
UN 1687	101	Sodium azide
UN 1688	102	Sodium cacodylate
UN 1689	102	Sodium cyanide
UN 1689	101	Sodium cyanide, solid
UN 1689	101	Sodium cyanide solution
UN 1690	102	Sodium fluoride
UN 1690	101	Sodium fluoride, solid
UN 1690	101	Sodium fluoride solution
UN 1691	102	Sterilium arsenite
UN 1691	101	Sterilium arsenite, solid
UN 1692	102	Strychnine
UN 1692	101	Strychnine salt, solid
UN 1692	101	Strychnine, solid
UN 1693	101	Irritating agent, n.o.s.
UN 1693	101	ORM-A, n.o.s.
UN 1693	102	Tear gas
UN 1693	101	Bromobenzyl cyanide
UN 1694	102	Chloroacetone
UN 1695	102	Monochloroacetone, stabilized or inhibited
UN 1697	102	Chloroacetophenone
UN 1697	101	Chloroacetophenone, gas, liquid, or solid
UN 1698	102	Diphenylaminechloroarsine
UN 1699	102	Diphenylchloroarsine
UN 1700	101	Tear gas candle
UN 1700	102	Tear gas candles
UN 1701	101	Xylol bromide
UN 1702	102	1,1,2,2-Tetrachloroethane
UN 1702	101	Tetrachloroethane
UN 1703	102	Tetraethyl dithiopyrophosphate
UN 1703	101	Tetraethyl dithiopyrophosphate and compressed gas mixture
UN 1704	102	Tetraethyl dithiopyrophosphate
UN 1704	101	Tetraethyl dithiopyrophosphate, liquid
UN 1704	101	Tetraethyl dithiopyrophosphate mixture, dry
UN 1704	101	Tetraethyl dithiopyrophosphate mixture, liquid
UN 1705	102	Tetraethyl pyrophosphate and compressed gas
UN 1705	101	Tetraethyl pyrophosphate and compressed gas mixture
UN 1707	102	Thallium compounds
UN 1707	101	Thallium salt, solid, n.o.s.
UN 1707	101	Thallium sulfate, solid
UN 1708	102	Toluidines
UN 1709	102	2,4-Toluylenediamine
UN 1709	101	Toluenediamine
UN 1710	101	Trichloroethylene
UN 1711	102	Xylidines
UN 1712	101	Zinc arsenate
UN 1712	102	Zinc arsenate and arsenite
UN 1712	101	Zinc arsenite, solid
UN 1713	101	Zinc cyanide
UN 1714	101	Zinc phosphide
UN 1715	101	Acetic anhydride
UN 1716	101	Acetyl bromide
UN 1717	101	Acetyl chloride
UN 1718	101	Acid butyl phosphate
UN 1719	101	Alkaline

**APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§172.101 AND §172.102—Continued**

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1719	102	Caustic alkali liquids, n.o.s.
UN 1722	101	Allyl chlorocarbonate
UN 1722	102	Allyl chloroformate
UN 1723	102	Allyl iodide
UN 1724	101	Allyl trichlorosilane
UN 1725	102	Aluminum bromide
UN 1725	101	Aluminum bromide, anhydrous
UN 1726	102	Aluminum chloride
UN 1727	102	Amonium hydrogen fluoride
UN 1727	101	Amonium hydrogen fluoride, solid
UN 1728	102	Amyl trichlorosilane
UN 1728	101	Amyl trichlorosilane
UN 1729	101	Anticoyl chloride
UN 1730	101	Antimony pentachloride
UN 1731	102	Antimony pentachloride
UN 1731	101	Antimony pentachloride solution
UN 1732	101	Antimony pentachloride
UN 1733	102	Antimony trichloride
UN 1733	101	Antimony trichloride, solid
UN 1733	101	Antimony trichloride solution
UN 1734	102	Batteries
UN 1735	102	Battery fluid
UN 1736	101	Benzoyl chloride
UN 1737	101	Benzyl bromide
UN 1738	101	Benzyl chloride
UN 1738	101	Benzyl chloroformate
UN 1740	102	Bisulfonides, n.o.s.
UN 1741	101	Boron trichloride
UN 1742	102	Boron trifluoride acetic acid complex
UN 1742	101	Boron trifluoride-acetic acid complex
UN 1743	102	Boron trifluoride propionic acid complex
UN 1744	101	Bromine
UN 1745	101	Bromine pentafluoride
UN 1746	101	Bromine trifluoride
UN 1747	101	Butyl trichlorosilane
UN 1748	102	Calcium hypochlorite
UN 1748	101	Calcium hypochlorite mixture
UN 1749	101	Chlorine trifluoride
UN 1750	102	Chloroacetic acid
UN 1750	101	Chloroacetic acid, liquid or solution
UN 1751	102	Chloroacetic acid
UN 1751	101	Chloroacetic acid, solid
UN 1752	101	Chloroacetyl chloride
UN 1753	102	Chlorophenyl trichlorosilane
UN 1753	101	Chlorophenyltrichlorosilane
UN 1754	101	Chlorosulfonic acid
UN 1754	101	Chlorosulfonic acid-sulfur trioxide mixture
UN 1754	102	Chlorosulfonic acid
UN 1754	102	Dichloroacetyl chloride
UN 1755	102	Chromic acid
UN 1755	101	Chromic acid solution
UN 1756	102	Chromic fluoride
UN 1756	101	Chromic fluoride, solid
UN 1757	102	Chromic fluoride
UN 1757	101	Chromic fluoride solution
UN 1758	102	Chromium oxychloride
UN 1758	101	Chromium oxychloride or Chromyl chloride
UN 1759	102	Cleaning compounds
UN 1759	101	Corrosive solid, n.o.s.
UN 1759	102	(UN 1759)
UN 1759	101	Corrosive solids, n.o.s.
UN 1759	101	Cosmetics, solid, n.o.s.
UN 1759	101	Drugs, n.o.s. solid
UN 1759	101	Ferrous chloride, solid
UN 1759	101	Stannous chloride, solid
UN 1760	101	Acid, liquid, n.o.s.
UN 1760	102	Alkaline corrosive liquids, n.o.s.
UN 1760	101	Aluminum phosphate solution
UN 1760	101	Aluminum sulfate solution
UN 1760	101	2-(2-Aminoethoxy) ethanol
UN 1760	101	Aminopropylmethanamine
UN 1760	101	N-Aminopropylmorpholine
UN 1760	101	bis (Aminopropyl) piperazine
UN 1760	101	Boiler compound, liquid
UN 1760	101	Chemical fill
UN 1760	101	Compound, cleaning, liquid
UN 1760	101	Compound, lacquer, paint, or varnish removing, liquid
UN 1760	101	Compound, rust preventing or removing, liquid
UN 1760	101	Compound, tree or weed killing, liquid
UN 1760	101	Compound, vulcanizing, liquid

**APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§172.101 AND §172.102—Continued**

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1760	101	Corrosive liquid, n.o.s.
UN 1760	102	Corrosive liquids, n.o.s.
NA 1760	101	Cosmetics, liquid, n.o.s.
NA 1760	101	2,2-Dichloropropionic acid
NA 1760	101	Drugs, n.o.s. liquid
NA 1760	101	Ethyl phosphonothioic dichloride, anhydrous
NA 1760	101	Ethyl phosphonous dichloride, anhydrous
NA 1760	101	Ethyl phosphorodichloridate
NA 1760	101	Ferrous chloride, solution
NA 1760	101	Flame retardant compound liquid
NA 1760	101	Hexanoic acid
NA 1760	101	Isopentanoic acid
NA 1760	101	Methylhydro phthalic anhydride
NA 1760	101	Methyl phosphonothioic dichloride, anhydrous
NA 1760	101	Methyl phosphonous dichloride
NA 1760	101	Morpholine, aqueous, mixture
NA 1760	101	Nitric acid, 40% or less
NA 1760	101	OPM-B, n.o.s.
NA 1760	101	Textile treating compound or mixture, liquid
NA 1760	101	Titanium sulfate solution
NA 1760	101	Valeric acid
NA 1760	101	Water treatment compounds, liquid
NA 1760	101	White acid
UN 1761	102	Cupriethylenediamine
UN 1761	101	Cupriethylene-diamine solution
UN 1762	101	Cyclohexenyl trichlorosilane
UN 1763	101	Cyclohexenyl trichlorosilane
UN 1764	101	Dichloroacetic acid
UN 1765	101	Dichloroacetyl chloride
UN 1766	102	Dichlorophenyl trichlorosilane
UN 1766	101	Dichlorophenyltrichlorosilane
UN 1767	101	Diethyl dichlorosilane
UN 1768	102	Difluorophosphoric acid
UN 1768	101	Difluorophosphoric acid, anhydrous
UN 1769	101	Diphenyl dichlorosilane
UN 1770	102	Diphenylmethyl bromide
UN 1770	101	Diphenyl methyl bromide, solid
UN 1770	101	Diphenyl methyl bromide solution
UN 1771	101	Dodecyl trichlorosilane
UN 1773	102	Ferric chloride
UN 1773	101	Ferric chloride, solid
UN 1774	101	Fire extinguisher charge containing sulfuric acid
UN 1774	102	Fire extinguisher charges
UN 1775	101	Fluoboric acid
UN 1776	102	Fluorophosphoric acid
UN 1776	101	Monofluorophosphoric acid, anhydrous
UN 1777	101	Fluorosulfonic acid or Fluosulfonic acid
UN 1777	102	Fluorosulphonic acid
UN 1778	102	Fluocetic acid
UN 1778	101	Hydrofluoroacetic acid
UN 1779	101	Formic acid
UN 1779	101	Formic acid solution
UN 1780	101	Fumaryl chloride
UN 1781	102	Hexadecyl trichlorosilane
UN 1781	101	Hexadecyltrichlorosilane
UN 1782	101	Hexafluorophosphoric acid
UN 1783	102	Hexamethylenediamine
UN 1783	101	Hexamethylenediamine, solution
UN 1784	102	Hexyl trichlorosilane
UN 1784	101	Hexyltrichlorosilane
UN 1786	102	Acid mixtures
UN 1786	101	Hydrofluoric and sulfuric acid mixture
UN 1787	101	Hydroiodic acid
UN 1788	101	Hydrobromic acid
UN 1788	101	Hydrobromic acid not more than 48% strength
NA 1789	101	Compound, cleaning, liquid (containing hydrochloric (munic) acid)
UN 1789	101	Hydrochloric acid
NA 1789	101	Hydrochloric acid mixture
UN 1789	101	Hydrochloric acid solution, inhibited
NA 1790	101	Compound, cleaning, liquid (containing hydrofluoric acid)
NA 1790	101	Etching acid, liquid, n.o.s.
UN 1790	102	Hydrofluoric acid
UN 1790	101	Hydrofluoric acid solution
NA 1790	101	Hydrogen fluoride

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APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1791 ..	102	Hypochlorite
NA 1791 ..	101	Hypochlorite solution
NA 1791 ..	101	Hypochlorite solution containing not more than 7% available chlorine
UN 1792 ..	101	Iodine monochloride
UN 1793 ..	102	Isopropyl acid phosphate
UN 1793 ..	101	Isopropyl acid phosphate, solid
NA 1794 ..	101	Lead dross
UN 1794 ..	101	Lead sulfate, solid
UN 1794 ..	102	Lead sulfate
UN 1796 ..	102	Acid mixtures
NA 1796 ..	101	Nitriding acid
UN 1796 ..	101	Nitriding acid, spent
UN 1796 ..	101	Nitrohydrochloric acid
NA 1796 ..	101	Nitrohydrochloric acid, diluted
UN 1799 ..	102	Nonyl trichlorosilane
UN 1799 ..	101	Nonyl trichlorosilane
UN 1800 ..	102	Octadecyl trichlorosilane
UN 1800 ..	101	Octadecyl trichlorosilane
UN 1801 ..	102	Octyl trichlorosilane
UN 1801 ..	101	Octyl trichlorosilane
UN 1802 ..	102	Perchloric acid
UN 1802 ..	101	Perchloric acid, not over 50% acid
UN 1803 ..	102	Phenolphosphoric acid
UN 1804 ..	102	Phenyl trichlorosilane
UN 1804 ..	101	Phenyl trichlorosilane
UN 1805 ..	102	o-Phosphoric acid
UN 1805 ..	101	Phosphoric acid
UN 1806 ..	102	Phosphorus pentachloride
UN 1806 ..	101	Phosphorus pentachloride, solid
NA 1807 ..	101	Phosphoric anhydride
UN 1807 ..	102	Phosphorus pentoxide
UN 1806 ..	101	Phosphorus tribromide
UN 1809 ..	101	Phosphorus trichloride
UN 1810 ..	101	Phosphorus oxychloride
UN 1810 ..	102	Phosphoryl chloride
UN 1811 ..	102	Potassium telluride
NA 1811 ..	101	Potassium hydrogen fluoride solution
UN 1812 ..	101	Potassium fluoride
UN 1812 ..	101	Potassium fluoride solution
UN 1813 ..	102	Potassium hydroxide
UN 1813 ..	101	Potassium hydroxide, dry solid, flake, bead, or granular
UN 1814 ..	102	Potassium hydroxide
UN 1814 ..	101	Potassium hydroxide, liquid or solution
UN 1815 ..	102	Propionyl chloride
UN 1816 ..	101	Propyl trichlorosilane
UN 1817 ..	101	Pyrosulfuryl chloride
UN 1817 ..	102	Pyrosulphuryl chloride
UN 1818 ..	101	Silicon chloride or Silicon tetrachloride
UN 1818 ..	102	Silicon tetrachloride
UN 1819 ..	102	Sodium aluminate
UN 1819 ..	101	Sodium aluminate solution
UN 1821 ..	101	Sodium hydrogen sulfate, solid
UN 1821 ..	102	Sodium hydrogen sulphate
UN 1823 ..	102	Sodium hydroxide
UN 1823 ..	101	Sodium hydroxide, dry solid, flake, bead, or granular
UN 1824 ..	102	Sodium hydroxide
UN 1824 ..	101	Sodium hydroxide, liquid or solution
UN 1825 ..	102	Sodium monoxide
UN 1825 ..	101	Sodium monoxide, solid
UN 1826 ..	102	Acid mixtures
UN 1827 ..	102	Stannic chloride
UN 1827 ..	101	Tin tetrachloride, anhydrous
UN 1828 ..	102	Sulfur chloride
UN 1829 ..	101	Sulfur trioxide
UN 1829 ..	102	Sulfur trioxide
UN 1830 ..	101	Sulfuric acid
NA 1831 ..	101	Oleum
UN 1831 ..	102	Sulfuric acid
UN 1832 ..	101	Sulfuric acid, spent
UN 1833 ..	102	Sulfuric acid
UN 1833 ..	101	Sulfurous acid
UN 1834 ..	101	Sulfuryl chloride
UN 1834 ..	102	Sulphuryl chloride
UN 1835 ..	102	Tetramethylenammonium hydroxide
UN 1835 ..	101	Tetramethylenammonium hydroxide, liquid
UN 1836 ..	101	Thionyl chloride

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1837 ..	101	Thiophosphoryl chloride
UN 1838 ..	101	Titanium tetrachloride
UN 1839 ..	102	Trichloroacetic acid
UN 1839 ..	101	Trichloroacetic acid, solid
UN 1840 ..	102	Zinc chloride
UN 1840 ..	101	Zinc chloride solution
UN 1841 ..	101	Acetaldehyde ammonia
UN 1842 ..	102	Acetic acid
UN 1843 ..	102	Ammonium dinitro-o-cresolate
UN 1845 ..	101	Carbon dioxide, solid, or Dry ice, or Carbonic
UN 1846 ..	101	Carbon tetrachloride
UN 1847 ..	102	Potassium sulphide
UN 1848 ..	101	Propionic acid
NA 1848 ..	101	Propionic acid solution
UN 1849 ..	102	Sodium sulphide
UN 1850 ..	102	Eradicator, paint or grease, liquid
UN 1850 ..	101	Eradicators
UN 1851 ..	101	Medicines, n.o.s.
UN 1851 ..	101	Medicines, n.o.s., liquid
UN 1851 ..	101	Medicines, n.o.s., solid
UN 1854 ..	102	Barium alloys
UN 1855 ..	102	Calcium
UN 1856 ..	102	Rags
UN 1856 ..	101	Rags, oily
UN 1857 ..	102	Textile waste
UN 1857 ..	101	Waste textile, wet
UN 1857 ..	101	Waste textile, wet
UN 1858 ..	101	Hexafluoropropylene
UN 1859 ..	101	Silicon tetrafluoride
UN 1860 ..	102	Vinyl fluoride
UN 1860 ..	101	Vinyl fluoride, inhibited
UN 1862 ..	101	Ethyl crotonate
UN 1863 ..	102	Fuel, aviation
UN 1863 ..	101	Fuel, aviation, turbine engine
UN 1864 ..	102	Gas slips
UN 1864 ..	101	Gas slips, hydrocarbon
UN 1865 ..	102	n-Propyl nitrate
UN 1866 ..	102	Resin
UN 1866 ..	101	Resin solution
UN 1867 ..	102	Cigarettes
UN 1868 ..	101	Decaborane
UN 1869 ..	102	Magnesium
UN 1869 ..	101	Magnesium alloys
UN 1869 ..	101	Magnesium, metal
UN 1870 ..	102	Potassium borohydride
UN 1871 ..	102	Titanium hydride
UN 1872 ..	102	Lead dioxide
UN 1872 ..	101	Lead peroxide
UN 1873 ..	101	Perchloric acid
UN 1884 ..	101	Barium oxide
UN 1885 ..	101	Benzidine
UN 1886 ..	102	Benzylidene chloride
UN 1887 ..	101	Bromochloromethane
UN 1888 ..	101	Chloroform
UN 1889 ..	101	Cyanogen bromide
UN 1891 ..	102	Ethyl bromide
UN 1892 ..	102	Ethyl dichloroarsine
UN 1893 ..	102	Organophosphates
UN 1894 ..	102	Phenylmercuric hydroxide
UN 1895 ..	102	Phenylmercuric nitrate
UN 1897 ..	102	Tetrachloroethylene
UN 1897 ..	101	Tetrachloroethylene or Perchloroethylene
UN 1898 ..	101	Acetyl iodide
UN 1899 ..	102	Alkanesulphonic acids
UN 1901 ..	102	Calcium hydrogen sulphite
UN 1902 ..	101	Di-(2-ethylhexyl) phosphoric acid
UN 1902 ..	101	Disoocetyl acid phosphate
UN 1903 ..	101	Disinfectant, liquid
UN 1903 ..	102	Disinfectants
UN 1905 ..	102	Selenic acid
UN 1905 ..	101	Selenic acid, liquid
UN 1906 ..	101	Acid, sludge
UN 1906 ..	102	Sludge acid
UN 1907 ..	101	Soda lime, solid
UN 1907 ..	101	Sodium chloride
UN 1908 ..	101	Sodium chloride solution
UN 1909 ..	102	Sodium hydrogen sulphite
UN 1910 ..	101	Calcium oxide
UN 1911 ..	102	Diborane
UN 1911 ..	101	Diborane or diborane mixtures
UN 1912 ..	102	Methyl chloride and methylene chloride

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 1912 ..	101	Methyl chloride-methylene chloride mixture
UN 1913 ..	102	Neon
UN 1914 ..	102	Butyl propionate
UN 1915 ..	102	Cyclohexanone
UN 1916 ..	102	Dichloroethyl ether
UN 1917 ..	102	Ethyl acrylate
UN 1917 ..	101	Ethyl acrylate, inhibited
UN 1918 ..	102	Isopropylbenzene
UN 1919 ..	102	Methyl acrylate
UN 1919 ..	101	Methyl acrylate, inhibited
UN 1920 ..	102	Nonane
UN 1921 ..	102	Propyleneimine
UN 1921 ..	101	Propyleneimine, inhibited
UN 1922 ..	101	Pyridoline
UN 1923 ..	102	Calcium dithionite
UN 1924 ..	102	Ethyl aluminum dichloride
UN 1925 ..	102	Ethyl aluminum sesquichloride
UN 1926 ..	102	Methyl aluminum sesquichloride
UN 1927 ..	102	Methyl aluminum sesquichloride
UN 1928 ..	102	Methyl magnesium bromide
UN 1928 ..	101	Methyl magnesium bromide in ethyl ether
UN 1929 ..	102	Potassium dithionite
UN 1930 ..	102	Triisobutyl aluminum
UN 1931 ..	102	Zinc dithionite
UN 1931 ..	101	Zinc hydrosulfite
UN 1932 ..	102	Zirconium
UN 1932 ..	101	Zirconium scrap
UN 1935 ..	102	Oxydes
UN 1936 ..	102	Bromosacetic acid
UN 1938 ..	101	Bromosacetic acid, solid
UN 1938 ..	101	Bromosacetic acid solution
UN 1939 ..	101	Phosphorus oxybromide
UN 1940 ..	101	Thioglycolic acid
UN 1941 ..	101	Dibromodifluoromethane
UN 1942 ..	102	Ammonium nitrate
NA 1942 ..	101	Ammonium nitrate (no organic coating)
NA 1942 ..	101	Ammonium nitrate (organic coating)
UN 1944 ..	102	Matches
UN 1944 ..	101	Matches, safety
UN 1945 ..	102	Matches
UN 1945 ..	102	Aerosol dispensers
UN 1951 ..	102	Argon
UN 1951 ..	101	Argon, liquid pressurized
UN 1952 ..	102	Ethylene oxide and carbon dioxide
UN 1953 ..	102	Compressed or liquefied gases
(UN 1953) ..	102	Stibine
UN 1953 ..	102	Water-gas
UN 1954 ..	101	Compressed gas, n.o.s.
UN 1954 ..	102	Compressed or liquefied gases
NA 1954 ..	101	Refrigerating machine
NA 1955 ..	101	Chloroform and nonflammable, nonaqueous compressed gas mixture
UN 1955 ..	102	Compressed or liquefied gases
NA 1955 ..	101	Methyl bromide and nonflammable, nonaqueous compressed gas mixture, liquid
NA 1955 ..	101	Organic phosphates, Organic phosphate compound, or Organic phosphorus compound; mixed with compressed gas
(UN 1955) ..	102	Perchloryl fluoride
(UN 1955) ..	102	Phosphorus trifluoride
(UN 1955) ..	102	Tetrafluoroethylene
NA 1956 ..	101	Accumulator, pressurized
UN 1956 ..	101	Compressed gas, n.o.s.
UN 1956 ..	102	Compressed or liquefied gases
NA 1956 ..	101	Dichlorodifluoromethane- dichlorotetrafluoroethane mixture
NA 1956 ..	101	Dichlorodifluoromethane- monochlorodifluoromethane mixture
NA 1956 ..	101	Dichlorodifluoromethane- trichloromonofluoromethane mixture
NA 1956 ..	101	Dichlorodifluoromethane- trichlorodifluoroethane mixture
NA 1956 ..	101	Hexafluoropropylene oxide
NA 1956 ..	101	Liquefied nonflammable gas
NA 1956 ..	101	Water pump system
UN 1957 ..	102	Deuterium
UN 1958 ..	102	Dichlorotetrafluoroethane

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**APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.103—Continued**

This listing is provided for information purposes only.

(1)	(2)	(3)
Identification Number	Source 172. ^{a-c}	Description
UN 1989 ...	102	1,1-Difluoroethylene
UN 1990 ...	101	Engine-starting fluid
UN 1991 ...	102	Ethane
UN 1992 ...	101	Ethylene
UN 1993 ...	102	Helium
UN 1994 ...	102	Hydrocarbon gases
UN 1994 ...	101	Hydrocarbon gas, nonliquefied
UN 1995 ...	102	Hydrocarbon gases
UN 1995 ...	101	Hydrocarbon gas, liquefied
UN 1996 ...	102	Nitrogen
UN 1996 ...	101	Nitrogen, liquefied
UN 1997 ...	102	Insecticide gases
UN 1997 ...	102	Insecticide, liquefied gas, containing toxicicide
NA 1957 ...	101	Poison A material or Poison B material
NA 1957 ...	101	Paraffin and compressed gas mixture
UN 1998 ...	102	Isocyanide gases
NA 1998 ...	101	Insecticide, liquefied gas
UN 1998 ...	102	Isobutane
UN 1970 ...	102	Krypton
UN 1971 ...	101	Methane
UN 1971 ...	102	Methane or natural gases
UN 1972 ...	102	Methane or natural gases
UN 1973 ...	102	Chlorodifluoromethane and chlorotrifluoromethane
UN 1974 ...	102	Chlorodibromomethane
UN 1975 ...	102	Nitric oxide and nitrogen tetroxide
UN 1976 ...	102	Octafluorocyclobutane
UN 1977 ...	102	Nitrogen
UN 1977 ...	101	Nitrogen, pressurized liquid
UN 1978 ...	102	Propane
UN 1979 ...	102	Rare gases
NA 1980 ...	101	Helium-oxygen mixture
UN 1980 ...	102	Rare gases
UN 1981 ...	102	Rare gases
UN 1982 ...	102	Tetrafluoromethane
UN 1983 ...	102	Trifluorochloroethane
UN 1984 ...	102	Trifluoromethane
UN 1986 ...	102	Alcohols
NA 1986 ...	101	Denatured alcohol
NA 1986 ...	101	Propargyl alcohol
NA 1986 ...	101	Rum, denatured
UN 1987 ...	101	Alkalies, n.o.s.
UN 1987 ...	102	Alcohols
UN 1988 ...	102	Aldehydes
UN 1989 ...	102	Aldehydes
UN 1989 ...	101	Benzaldehyde
UN 1990 ...	102	Benzaldehyde
UN 1991 ...	102	Chloroacetylene
UN 1991 ...	101	Chloroacetylene, stabilized
UN 1992 ...	101	Flammable liquid, poisonous, n.o.s.
UN 1992 ...	102	Flammable liquid
NA 1993 ...	101	Combustible liquid, n.o.s.
NA 1993 ...	101	Compound, cleaning, liquid
NA 1993 ...	101	Compound, tree or weed killing, liquid
NA 1993 ...	101	Cosmetics, n.o.s.
NA 1993 ...	101	Crucifera, coal tar
NA 1993 ...	101	Crude oil, petroleum
NA 1993 ...	101	Disinfectant, liquid, n.o.s.
NA 1993 ...	101	Drugs, n.o.s.
NA 1993 ...	101	Drugs, n.o.s.
UN 1993 ...	101	Ethyl nitrate
UN 1993 ...	101	Flammable liquid, n.o.s.
UN 1993 ...	102	Flammable liquid
NA 1993 ...	101	Fuel oil
NA 1993 ...	101	Fuel oil, No. 1, 2, 4, 5 or 6
NA 1993 ...	101	Heater for refrigerator car, liquid fuel type
NA 1993 ...	101	Insecticide, liquid, n.o.s.
NA 1993 ...	101	Mortar stain, liquid
NA 1993 ...	101	Nitrosocarb, wash with not less than 30% alcohol or solvent
NA 1993 ...	101	Organic peroxide liquid or solution, n.o.s.
NA 1993 ...	101	Plastic solvent, n.o.s.
NA 1993 ...	101	Refrigerating machine
NA 1993 ...	101	Solvent, n.o.s.
NA 1993 ...	101	Wax, liquid
UN 1994 ...	102	Iron carbonyl
UN 1995 ...	102	Pesticides
UN 1998 ...	102	Pesticides
UN 1997 ...	102	Solvents
UN 1998 ...	102	Solvents

**APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued**

This listing is provided for information purposes only.

(1)	(2)	(3)
Identification Number	Source 17E ¹⁰⁰	Description
UN 1988 ...	991	Asphalt
UN 1988 ...	101	Asphalt, cut back
UN 1988 ...	102	Asphaltite
UN 1988 ...	901	Tar, liquid
UN 2000 ...	102	Celluloid
UN 2001 ...	102	Coated naphthalenes
UN 2002 ...	992	Celvolux
UN 2003 ...	102	Aluminum allylchlorides
UN 2003 ...	102	Aluminum alkyls
UN 2003 ...	102	Aluminum vinyls
UN 2003 ...	102	Metal alkyls, n.o.s.
UN 2004 ...	102	Magnesium chloride
UN 2005 ...	102	Magnesium diphenyl
UN 2008 ...	102	Plastics
UN 2008 ...	101	Pyrolytic plastic scrap
UN 2008 ...	101	Pyrolytic plastics, rods, sheets, rolls, or tubes
UN 2008 ...	102	Zirconium
UN 2008 ...	101	Zirconium metal, dry
UN 2008 ...	102	Zirconium metal powder, dry
UN 2008 ...	102	Zirconium
UN 2010 ...	102	Magnesium hydride
UN 2011 ...	102	Potassium phosphide
UN 2012 ...	102	Magnesium phosphide
UN 2013 ...	102	Strontium phosphide
UN 2014 ...	102	Hydrogen peroxide
UN 2014 ...	101	Hydrogen peroxide solution
UN 2015 ...	102	Hydrogen peroxide
UN 2015 ...	101	Hydrogen peroxide solution
UN 2016 ...	102	Ammonium
UN 2016 ...	101	Chemical ammonium, nonexplosive
UN 2016 ...	996	Grenade
UN 2017 ...	102	Ammonium
UN 2017 ...	101	Chemical ammonium, nonexplosive
UN 2017 ...	901	Grenade, tear gas
UN 2018 ...	102	Chloroacetylene
UN 2019 ...	102	Chloroacetylene
UN 2020 ...	102	Chlorophenates
UN 2020 ...	102	Chlorophenols
UN 2020 ...	101	Pentachlorophenol
UN 2020 ...	101	Trichlorophenol
UN 2021 ...	102	Chlorophenates
UN 2021 ...	102	Chlorophenols
UN 2022 ...	102	Chloric acid
UN 2022 ...	101	Etching reagent, liquid
UN 2023 ...	106	Epithiorhynin
UN 2024 ...	102	Mercury compounds
UN 2025 ...	101	Mercapto substrate, solid
UN 2025 ...	101	Mercury compound, n.o.s., solid
UN 2025 ...	102	Mercury compounds
UN 2026 ...	102	Pentamercapto compounds, n.o.s.
UN 2027 ...	102	Sodium arsenite
UN 2028 ...	102	Boronic acids
UN 2028 ...	102	Hydrazine
UN 2028 ...	101	Hydrazine, anhydrous
UN 2030 ...	102	Hydrazine
UN 2031 ...	101	Hydrazine, aqueous solution
UN 2032 ...	101	Hydroxylamine
UN 2032 ...	102	Nitric acid
UN 2032 ...	101	Nitric acid, fuming
UN 2033 ...	102	Potassium azide
UN 2034 ...	102	Hydrogen and methane
UN 2035 ...	102	Thiuronethane
UN 2036 ...	101	Xenon
UN 2037 ...	102	Cerustite
UN 2037 ...	102	Gas cartridges
UN 2037 ...	102	Thermoplastic
UN 2038 ...	102	Dibenzofuran
UN 2044 ...	102	2,3-Dimethylpropane
UN 2045 ...	102	Isobutyraldehyde
UN 2046 ...	102	p-Cymene
UN 2047 ...	101	Dichloropropane
UN 2047 ...	101	Dichloropropane and propylene dichloride mixture
UN 2048 ...	102	Dicyclopentadiene
UN 2048 ...	102	Dicyclopentadiene
UN 2050 ...	102	Dibutylamine
UN 2051 ...	102	Diisobutylmethanamine
UN 2052 ...	102	Diphenyl
UN 2053 ...	102	Methylisobutyl carbonyl
UN 2054 ...	101	Morpholine
UN 2054 ...	101	Morpholine, aqueous, mixture
UN 2055 ...	102	Styrene monomer
UN 2055 ...	101	Styrene-monomer, inhibited
UN 2056 ...	101	Tetraethers

**APPENDIX A—IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued**

This listing is provided for information purposes only.

(1)	(2)	(3)
Identification Number	Source 12E-100	Description
UN 2057	102	Triphenylene
UN 2058	102	Triphenylene
UN 2059	101	Box top gas
UN 2060	101	Box top gas
UN 2061	102	Endrin
UN 2062	101	Ammonium nitrate fertilizer
UN 2063	102	Ammonium nitrate fertilizers
UN 2064	101	Ammonium nitrate-carbonate mixture
UN 2065	101	Ammonium-nitrate-misc. fertilizer
UN 2070	101	Ammonium-nitrate-phosphate
UN 2071	102	Ammonium-nitrate fertilizers
UN 2072	102	Ammonium-nitrate fertilizer
UN 2073	102	Ammonia
UN 2073	101	Ammonia solution
UN 2074	102	Acrylamide
UN 2075	102	Chloral
UN 2076	101	Chloral
UN 2076	102	Chloral
UN 2077	102	Naphthylamine
UN 2078	101	Toluene diisocyanate
UN 2079	102	Diethylenetriamine
UN 2080	101	Acetyl acetone peroxide
UN 2081	101	Acetyl benzoyl peroxide
UN 2081	101	Acetyl benzoyl peroxide solution
UN 2082	101	Acetyl cyclohexanesulphonyl peroxide
UN 2082	102	Acetyl cyclohexanesulphonyl peroxide
UN 2083	101	Acetyl cyclohexanesulphonyl peroxide
UN 2083	102	Acetyl cyclohexanesulphonyl peroxide
UN 2084	101	Acetyl peroxide
UN 2084	101	Acetyl peroxide solution
UN 2085	101	Benzoyl peroxide
UN 2086	102	Benzoyl peroxide
UN 2087	101	Benzoyl peroxide
UN 2088	101	Benzoyl peroxide
UN 2089	101	Benzoyl peroxide
UN 2090	101	Benzoyl peroxide
UN 2091	101	tert-Butyl cumyl peroxide
UN 2091	101	tert-Butyl isopropyl benzene hydroperoxide
UN 2091	102	tert-Butyl cumyl peroxide
UN 2092	101	tert-Butyl hydroperoxide
UN 2092	102	tert-Butyl hydroperoxide
UN 2093	101	tert-Butyl hydroperoxide
UN 2093	102	tert-Butyl hydroperoxide
UN 2094	101	tert-Butyl hydroperoxide
UN 2094	102	tert-Butyl hydroperoxide
UN 2095	101	tert-Butyl peroxycarbonate
UN 2095	102	tert-Butyl peroxycarbonate
UN 2096	101	tert-Butyl peroxycarbonate
UN 2096	102	tert-Butyl peroxycarbonate
UN 2097	101	tert-Butyl peroxycarbonate
UN 2097	102	tert-Butyl peroxycarbonate
UN 2098	101	tert-Butyl peroxycarbonate
UN 2098	102	tert-Butyl peroxycarbonate
UN 2099	101	tert-Butyl peroxycarbonate
UN 2099	102	tert-Butyl peroxycarbonate
UN 2100	101	tert-Butyl peroxycarbonate
UN 2100	102	tert-Butyl peroxycarbonate
UN 2101	101	tert-Butyl peroxycarbonate
UN 2101	102	tert-Butyl peroxycarbonate
UN 2102	101	Di-tert-Butyl peroxide
UN 2102	102	tert-Butyl peroxide
UN 2103	101	tert-Butyl peroxycarbonate
UN 2103	102	tert-Butyl peroxycarbonate
UN 2104	101	tert-Butyl peroxycarbonate
UN 2104	102	tert-Butyl peroxycarbonate
UN 2105	101	tert-Butyl peroxycarbonate
UN 2105	102	tert-Butyl peroxycarbonate
UN 2106	101	Di-tert-butylperoxyphthalate
UN 2106	102	tert-Butyl diphenylphthalate
UN 2106	102	tert-Butyl diphenylphthalate

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REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 2107 ..	101	Di-(tert-butylperoxy)phthalate
UN 2107 ..	102	tert-Butyl diperphthalate
UN 2108 ..	101	Di-(tert-butylperoxy)phthalate
UN 2108 ..	102	tert-Butyl diperphthalate
UN 2110 ..	101	tert-Butyl peroxyvalerate
UN 2110 ..	102	tert-Butyl perphthalate
UN 2111 ..	102	2,2-Bis-(tert-butylperoxy) butane
UN 2111 ..	101	2,2-Di-(tert-butylperoxy)butane
UN 2112 ..	102	1,4-Bis-(2-tert-butylperoxy isopropyl) benzene, or, 1,3-bis-(2-tert- butylperoxy isopropyl) benzene
UN 2112 ..	101	1,3-Di-(2-tert-butylperoxyisopropyl) benzene
UN 2112 ..	101	1,3-Di-(2-tert-butylperoxyisopropyl) benzene and 1,4-Di-(2-tert- butylperoxyisopropyl) benzene mixture
UN 2113 ..	101	p-Chlorobenzoyl peroxide
UN 2113 ..	102	p-Chlorobenzoyl peroxide
UN 2114 ..	101	p-Chlorobenzoyl peroxide
UN 2114 ..	102	p-Chlorobenzoyl peroxide
UN 2115 ..	101	p-Chlorobenzoyl peroxide
UN 2115 ..	102	p-Chlorobenzoyl peroxide
UN 2116 ..	101	Cumene hydroperoxide
UN 2117 ..	102	1-Hydroxy-1'-hydroperoxy dicyclohexyl peroxide
UN 2118 ..	102	1-Hydroxy-1'-hydroperoxy dicyclohexyl peroxide
UN 2118 ..	101	Cyclohexanone peroxide
UN 2119 ..	102	1-Hydroxy-1'-hydroperoxy dicyclohexyl peroxide
UN 2119 ..	101	Cyclohexanone peroxide
UN 2120 ..	101	Decanoyl peroxide
UN 2120 ..	102	Decanoyl peroxide
UN 2121 ..	101	Dicumyl peroxide, dry
UN 2122 ..	102	Di-(2-ethylhexyl) perdicarbonate
UN 2122 ..	101	Di-(2-ethylhexyl) peroxydicarbonate
UN 2123 ..	102	Di-(2-ethylhexyl) perdicarbonate
UN 2123 ..	101	Di-(2-ethylhexyl) peroxydicarbonate
UN 2124 ..	101	Lauroyl peroxide
UN 2125 ..	101	p-Menthane hydroperoxide
UN 2125 ..	102	Paramenthane hydroperoxide
UN 2125 ..	101	p-Menthane hydroperoxide
UN 2126 ..	102	Isobutyl methyl ketone peroxide
UN 2126 ..	101	Methyl isobutyl ketone peroxide(s)
UN 2127 ..	102	Ethyl methyl ketone peroxide(s)
UN 2128 ..	102	Isobutyronyl peroxide
UN 2128 ..	101	Isobutyronyl peroxide
UN 2129 ..	101	Caprylyl peroxide solution
UN 2129 ..	102	n-Octanoyl peroxide
UN 2129 ..	101	n-Octanoyl peroxide
UN 2130 ..	102	n-Nonanoyl peroxide
UN 2130 ..	101	Perlauryl peroxide
UN 2131 ..	102	Peracetic acid
UN 2131 ..	101	Peracetic acid solution
UN 2132 ..	101	Propionyl peroxide
UN 2132 ..	102	Diisopropyl perdicarbonate
UN 2133 ..	101	Isopropyl perdicarbonate, unstabilized
UN 2133 ..	102	Isopropyl peroxydicarbonate
UN 2134 ..	102	Diisopropyl perdicarbonate
UN 2134 ..	101	Isopropyl perdicarbonate, stabilized
UN 2134 ..	101	Isopropyl peroxydicarbonate
UN 2135 ..	101	Succinic acid peroxide
UN 2136 ..	101	Tetralin hydroperoxide
UN 2137 ..	102	2,4-Dichlorobenzoyl peroxide
UN 2137 ..	101	2,4-Dichlorobenzoyl peroxide
UN 2138 ..	102	2,4-Dichlorobenzoyl peroxide
UN 2138 ..	101	2,4-Dichlorobenzoyl peroxide
UN 2139 ..	102	2,4-Dichlorobenzoyl peroxide
UN 2139 ..	101	2,4-Dichlorobenzoyl peroxide
UN 2140 ..	101	n-Butyl-4,4-bis-(tert-butylperoxy) valerate
UN 2140 ..	102	n-Butyl-4,4-bis-(tert-butylperoxy) valerate
UN 2141 ..	101	n-Butyl-4,4-bis-(tert-butylperoxy) valerate
UN 2141 ..	102	n-Butyl-4,4-bis-(tert-butylperoxy) valerate
UN 2142 ..	101	tert-Butyl peroxyisobutyrate
UN 2142 ..	102	tert-Butyl peroxyisobutyrate
UN 2143 ..	101	tert-Butyl peroxy-2-ethylhexanoate
UN 2143 ..	102	tert-Butyl per-(2-ethyl) hexanoate
UN 2144 ..	101	tert-Butyl peroxydiethylacetate
UN 2144 ..	102	tert-Butyl perdiethylacetate

APPENDIX A - IDENTIFICATION NUMBER CROSS
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§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 2145 ..	102	1,1-Bis-(tert-butylperoxy)-3,3,5- trimethyl cyclohexane
UN 2145 ..	101	1,1-Di-(tert-butylperoxy)-3,3,5- trimethyl cyclohexane
UN 2146 ..	102	1,1-Bis-(tert-butylperoxy)-3,3,5- trimethyl cyclohexane
UN 2146 ..	101	1,1-Di-(tert-butylperoxy)-3,3,5- trimethyl cyclohexane
UN 2147 ..	102	1,1-Bis-(tert-butylperoxy)-3,3,5- trimethyl cyclohexane
UN 2147 ..	101	1,1-Di-(tert-butylperoxy)-3,3,5- trimethyl cyclohexane
UN 2148 ..	102	Bis-(1-hydroxy cyclohexyl) peroxide
UN 2148 ..	101	Di-(1-hydroxycyclohexyl) peroxide
UN 2149 ..	102	Dibenzyl perdicarbonate
UN 2149 ..	101	Dibenzyl peroxydicarbonate
UN 2150 ..	102	Di-sec-butyl perdicarbonate
UN 2150 ..	101	Di-sec-butyl peroxydicarbonate
UN 2151 ..	102	Di-sec-butyl perdicarbonate
UN 2151 ..	101	Di-sec-butyl peroxydicarbonate
UN 2152 ..	102	Dicyclohexyl perdicarbonate
UN 2152 ..	101	Dicyclohexyl peroxydicarbonate
UN 2153 ..	102	Dicyclohexyl perdicarbonate
UN 2153 ..	101	Dicyclohexyl peroxydicarbonate
UN 2154 ..	102	Bis-(4-tert-butyl cyclohexyl) perdicarbonate
UN 2154 ..	101	Di-(4-tert-butylcyclohexyl)peroxydicarbonate
UN 2155 ..	102	2,5-Dimethyl-2,5-bis-(tert- butylperoxy) hexane
UN 2155 ..	101	2,5-Dimethyl-2,5-bis-(tert- butylperoxy)hexane
UN 2156 ..	102	2,5-Dimethyl-2,5-bis-(tert- butylperoxy) hexane
UN 2156 ..	101	2,5-Dimethyl-2,5-bis-(tert- butylperoxy)hexane
UN 2157 ..	102	2,5-Dimethyl-2,5-bis-(2- ethylhexanoylperoxy) hexane
UN 2157 ..	101	2,5-Dimethyl-2,5-bis-(2- ethylhexanoylperoxy)hexane
UN 2158 ..	102	2,5-Dimethyl-2,5-bis-(tert- butylperoxy) heptyne-3
UN 2158 ..	101	2,5-Dimethyl-2,5-bis-(tert- butylperoxy)heptyne-3
UN 2159 ..	102	2,5-Dimethyl-2,5-bis-(tert- butylperoxy) heptyne-3
UN 2159 ..	101	2,5-Dimethyl-2,5-bis-(tert- butylperoxy)heptyne-3
UN 2160 ..	102	1,1,3,3-Tetramethyl butyl hydroperoxide
UN 2160 ..	101	1,1,3,3-Tetramethylbutyl hydroperoxide
UN 2161 ..	102	1,1,3,3-Tetramethyl butyl peroxy-2- ethyl hexanoate
UN 2161 ..	101	1,1,3,3-Tetramethylbutyl peroxy-2- ethylhexanoate
UN 2162 ..	101	Pinane hydroperoxide
UN 2162 ..	102	Pinane hydroperoxide solution
UN 2163 ..	101	Diacetone alcohol peroxide
UN 2163 ..	102	Diacetone alcohol peroxides
UN 2164 ..	102	Dioctyl perdicarbonate
UN 2164 ..	101	Dioctyl peroxydicarbonate
UN 2165 ..	102	3,3,6,6,9,9-Hexamethyl-1,2,4,5- tetraoxane
UN 2165 ..	101	3,3,6,6,9,9-Hexamethyl-1,2,4,5- tetraoxocyclonane
UN 2166 ..	102	3,3,6,6,9,9-Hexamethyl-1,2,4,5- tetraoxane
UN 2166 ..	101	3,3,6,6,9,9-Hexamethyl-1,2,4,5- tetraoxocyclonane
UN 2167 ..	102	3,3,6,6,9,9-Hexamethyl-1,2,4,5- tetraoxane
UN 2167 ..	101	3,3,6,6,9,9-Hexamethyl-1,2,4,5- tetraoxocyclonane
UN 2168 ..	102	2,2-Bis-(4,4-di-tert-butylperoxy) cyclohexyl propane
UN 2168 ..	101	2,2-Di-(4,4-di-tert-butylperoxycyclohexyl)propane
UN 2169 ..	101	n-Butyl peroxydicarbonate
UN 2169 ..	102	n-Butyl perdicarbonate
UN 2170 ..	101	n-Butyl peroxydicarbonate
UN 2170 ..	102	n-Butyl perdicarbonate
UN 2171 ..	101	Diisopropylbenzene hydroperoxide
UN 2171 ..	102	Diisopropylbenzene hydroperoxide solution

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 2172 ..	102	2,5-Dimethyl-2,5-bis-(benzoylperoxy) hexane
UN 2172 ..	101	2,5-Dimethyl-2,5-di- (benzoylperoxy)hexane
UN 2173 ..	102	2,5-Dimethyl-2,5-bis-(benzoylperoxy) hexane
UN 2173 ..	101	2,5-Dimethyl-2,5-di- (benzoylperoxy)hexane
UN 2174 ..	102	2,5-Dimethyl-2,5-dihydroperoxy hexane
UN 2174 ..	101	2,5-Dimethyl-2,5-dihydroperoxy hexane
UN 2174 ..	101	Dimethylhexane dihydroperoxide, (with 18% or more water)
UN 2175 ..	102	Diethyl perdicarbonate
UN 2175 ..	101	Diethyl peroxydicarbonate
UN 2176 ..	101	Di-n-propyl peroxydicarbonate
UN 2177 ..	101	tert-Butyl peroxyneodecanate
UN 2177 ..	102	tert-Butyl per-neodecanate
UN 2178 ..	102	2,2-Dihydroperoxy propane
UN 2178 ..	101	2,2-Dihydroperoxy propane
UN 2179 ..	102	1,1-Bis-(tert-butylperoxy) cyclohexane
UN 2179 ..	101	1,1-Di-(tert-butylperoxy)cyclohexane
UN 2180 ..	102	1,1-Bis-(tert-butylperoxy)cyclohexane
UN 2180 ..	101	1,1-Di-(tert-butylperoxy)cyclohexane
UN 2181 ..	102	1,2-Bis-(tert-butylperoxy) cyclohexane
UN 2181 ..	101	1,2-Di-(tert-butylperoxy)cyclohexane
UN 2182 ..	101	Diisobutyl peroxide
UN 2182 ..	102	Isobutyl peroxide
UN 2183 ..	101	tert-Butyl peroxyoctonate
UN 2183 ..	102	tert-Butyl peroctonate
UN 2184 ..	102	Ethyl-3,3-bis-(tert-butylperoxy) butyrate
UN 2184 ..	101	Ethyl-3,3-di-(tert-butylperoxy)butyrate
UN 2185 ..	102	Ethyl-3,3-bis-(tert-butylperoxy) butyrate
UN 2185 ..	101	Ethyl-3,3-di-(tert-butylperoxy)butyrate
UN 2187 ..	101	Carbon dioxide, liquefied
UN 2188 ..	101	Aniline
UN 2189 ..	102	Dichloroethane
UN 2190 ..	102	Oxygen difluoride
UN 2191 ..	101	Sulphuryl fluoride
UN 2191 ..	102	Sulphuryl fluoride
UN 2192 ..	101	Germene
UN 2194 ..	102	Selenium hexafluoride
UN 2195 ..	101	Tellurium hexafluoride
UN 2196 ..	101	Tungsten hexafluoride
UN 2197 ..	102	Hydrogen iodide
UN 2198 ..	102	Phosphorus pentafluoride
UN 2198 ..	101	Phosphine
UN 2202 ..	101	Hydrogen selenide
UN 2203 ..	102	Silane
UN 2204 ..	102	Carbonyl sulfide
UN 2205 ..	102	Adiponitrile
UN 2206 ..	102	Isocyanates
UN 2207 ..	102	Isocyanates
UN 2208 ..	101	Bleaching powder
UN 2208 ..	102	Calcium hypochlorite mixtures
UN 2209 ..	102	Formaldehyde
UN 2209 ..	101	Formaldehyde solution
UN 2210 ..	102	Maneb, or maneb preparation(s)
UN 2210 ..	101	Pesticide, water reactive
UN 2211 ..	102	Plastics moulding materials
UN 2212 ..	102	Asbestos, blue
UN 2213 ..	101	Paraformaldehyde
UN 2214 ..	102	Phthalic anhydride
UN 2215 ..	101	Maleic acid
UN 2215 ..	102	Maleic anhydride
UN 2216 ..	102	Fish meal or fish scrap
UN 2216 ..	101	Fish meal or fish scrap containing 6% to 12% water
UN 2217 ..	102	Seed cake
UN 2218 ..	101	Acrylic acid
UN 2219 ..	102	Allyl glycidyl ether
UN 2220 ..	102	Aluminum alkyl halides, in solution
UN 2221 ..	102	Aluminum alkyl halides
UN 2222 ..	102	Anisole
UN 2224 ..	101	Benzonitrile
UN 2225 ..	102	Benzene sulphonyl chloride
UN 2226 ..	102	Benzotrithiol
UN 2227 ..	102	n-Butyl methacrylate
UN 2228 ..	102	Butylphenols

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§172.101 AND §172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 2229	102	Butylphenols
UN 2230	102	Chlorinated anthracene oil
UN 2232	102	Chloroacetaldehyde
UN 2233	102	p-Chloro-o-anisidine
UN 2234	102	Chlorobenzotrifluorides
UN 2235	102	p-Chlorobenzyl chloride
UN 2236	102	3-Chloro-4-methylphenyl isocyanate
UN 2237	102	Chlorobenzonitriles
UN 2238	102	Chlorobutenes
UN 2239	102	Chlorobutadienes
UN 2240	102	Chlorosulfuric acid
UN 2241	102	Cycloheptanes
UN 2242	102	Cycloheptenes
UN 2243	102	Cycloheptyl acetate
UN 2244	102	Cyclopentadiene
UN 2245	102	Cyclopentenes
UN 2246	102	Cyclopentynes
UN 2247	102	n-Dodecane
UN 2248	102	Diglycidyl ether
UN 2249	102	Diisobutylamine
UN 2250	102	Diisobutylamine
UN 2251	102	Dichlorophenyl isocyanates
UN 2252	102	1,2-Dimethoxyethane
UN 2253	102	N,N-Dimethylaniline
UN 2254	102	Matches
UN 2255	101	Organic peroxide, sample, n.o.s.
UN 2256	102	Organic peroxide, n.o.s.
UN 2257	102	Cyclohexane
UN 2258	102	Potassium metal
UN 2259	101	Potassium, metal or metallic
UN 2260	102	Propylene diamine
UN 2261	102	Propylenediamine
UN 2262	102	Triethylenetriamine
UN 2263	102	Tripropylamine
UN 2264	101	Xylenols
UN 2265	102	1,4-Dimethylcyclohexane
UN 2266	102	Dimethylcyclohexanes
UN 2267	102	N, N-Dimethylcyclohexylamine
UN 2268	102	N,N-Dimethylformamide
UN 2269	102	Dimethyl-N-propylamine
UN 2270	102	Dimethyl thiophosphoryl chloride
UN 2271	102	Dipropylene triamine
UN 2272	102	Isobutylpropylamine
UN 2273	102	Ethylamine solution
UN 2274	102	Ethyl amyl ketone
UN 2275	102	M-Ethylamine
UN 2276	102	2-Ethylamine
UN 2277	102	N-Ethyl-N-benzylaniline
UN 2278	102	2-Ethylbutanol
UN 2279	102	2-Ethylhexylamine
UN 2280	102	Ethyl methacrylate
UN 2281	102	n-Heptane
UN 2282	102	Hexachlorobutadiene
UN 2283	102	Hexamethylenediamine
UN 2284	101	Hexamethylenediamine, solid
UN 2285	102	Hexanols
UN 2286	102	Isobutyl methacrylate
UN 2287	102	Isobutylacrylate
UN 2288	102	Isododecane
UN 2289	102	Isocetane
UN 2290	102	Isocetane
UN 2291	102	Isophorone diisocyanate
UN 2292	102	Lead chloride
UN 2293	102	Lead compounds
UN 2294	102	Lead fluoride
UN 2295	102	Lead sulfide
UN 2296	102	Lead thiocyanate
UN 2297	102	4-Methoxy-4-methylpentan-2-one
UN 2298	102	N-Methylacrylate
UN 2299	102	Methyl chloroacetate
UN 2300	102	Methyl cyclohexane
UN 2301	102	Methylcyclohexanes
UN 2302	102	Methylcyclohexanone
UN 2303	102	Cyclopentane, methyl
UN 2304	102	Methyl cyclopentane
UN 2305	102	Methylcyclopentane
UN 2306	102	Methyl dichloroacetate
UN 2307	102	2-Methyl-5-ethylpyridine
UN 2308	102	Methyl ethyl pyridine
UN 2309	102	2-Methylfuran
UN 2310	102	Methylfuran
UN 2311	102	6-Methylheptan-2-one
UN 2312	102	Isopropylbenzene
UN 2313	102	Naphthalene, molten

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§172.101 AND §172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 2305	102	Nitrobenzenesulphonic acid
UN 2306	102	Nitrobenzotrifluoride
UN 2307	102	3-Nitro-4-chlorobenzotrifluoride
UN 2308	102	Nitrobenzotrifluoride
UN 2309	102	Oxidation
UN 2310	102	2,4-Pentanedione
UN 2311	102	Phenolates
UN 2312	102	Phenols
UN 2313	102	Polychlorinated biphenyls
UN 2314	102	Sodium acrylate
UN 2315	102	Sodium hydroxide, solid
UN 2316	102	Sulfur hydrosulfide
UN 2317	102	Sulfur hydrosulfide, n.o.s.
UN 2318	102	Tetrahydrofuran
UN 2319	102	Trichlorobenzene
UN 2320	102	Trichlorobutane
UN 2321	102	Trichlorophenyl
UN 2322	102	Trichlorophenyl
UN 2323	102	1,3,5-Trimethylbenzene
UN 2324	102	1,3,5-Trimethylbenzene
UN 2325	102	Tetrahydrofuran
UN 2326	102	1,3,5-Trimethylbenzene
UN 2327	102	1,3,5-Trimethylbenzene
UN 2328	102	Trinitrophenylmethane
UN 2329	102	Trinitrophenylmethane
UN 2330	102	Trinitrophenylmethane
UN 2331	102	Trinitrophenylmethane
UN 2332	102	Trinitrophenylmethane
UN 2333	102	Trinitrophenylmethane
UN 2334	102	Trinitrophenylmethane
UN 2335	102	Trinitrophenylmethane
UN 2336	102	Trinitrophenylmethane
UN 2337	102	Trinitrophenylmethane
UN 2338	102	Trinitrophenylmethane
UN 2339	102	Trinitrophenylmethane
UN 2340	102	Trinitrophenylmethane
UN 2341	102	Trinitrophenylmethane
UN 2342	102	Trinitrophenylmethane
UN 2343	102	Trinitrophenylmethane
UN 2344	102	Trinitrophenylmethane
UN 2345	102	Trinitrophenylmethane
UN 2346	102	Trinitrophenylmethane
UN 2347	102	Trinitrophenylmethane
UN 2348	102	Trinitrophenylmethane
UN 2349	102	Trinitrophenylmethane
UN 2350	102	Trinitrophenylmethane
UN 2351	102	Trinitrophenylmethane
UN 2352	102	Trinitrophenylmethane
UN 2353	102	Trinitrophenylmethane
UN 2354	102	Trinitrophenylmethane
UN 2355	102	Trinitrophenylmethane
UN 2356	102	Trinitrophenylmethane
UN 2357	102	Trinitrophenylmethane
UN 2358	102	Trinitrophenylmethane
UN 2359	102	Trinitrophenylmethane
UN 2360	102	Trinitrophenylmethane
UN 2361	102	Trinitrophenylmethane
UN 2362	102	Trinitrophenylmethane
UN 2363	102	Trinitrophenylmethane
UN 2364	102	Trinitrophenylmethane
UN 2365	102	Trinitrophenylmethane
UN 2366	102	Trinitrophenylmethane
UN 2367	102	Trinitrophenylmethane
UN 2368	102	Trinitrophenylmethane
UN 2369	102	Trinitrophenylmethane
UN 2370	102	Trinitrophenylmethane
UN 2371	102	Trinitrophenylmethane
UN 2372	102	Trinitrophenylmethane
UN 2373	102	Trinitrophenylmethane
UN 2374	102	Trinitrophenylmethane
UN 2375	102	Trinitrophenylmethane
UN 2376	102	Trinitrophenylmethane
UN 2377	102	Trinitrophenylmethane
UN 2378	102	Trinitrophenylmethane
UN 2379	102	Trinitrophenylmethane
UN 2380	102	Trinitrophenylmethane
UN 2381	102	Trinitrophenylmethane
UN 2382	102	Trinitrophenylmethane
UN 2383	102	Trinitrophenylmethane
UN 2384	102	Trinitrophenylmethane
UN 2385	102	Trinitrophenylmethane
UN 2386	102	Trinitrophenylmethane
UN 2387	102	Trinitrophenylmethane
UN 2388	102	Trinitrophenylmethane
UN 2389	102	Trinitrophenylmethane
UN 2390	102	Trinitrophenylmethane

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§172.101 AND §172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 2391	102	Tetrahydrofuran
UN 2392	102	Tetrahydrofuran
UN 2393	102	Tetrahydrofuran
UN 2394	102	Tetrahydrofuran
UN 2395	102	Tetrahydrofuran
UN 2396	102	Tetrahydrofuran
UN 2397	102	Tetrahydrofuran
UN 2398	102	Tetrahydrofuran
UN 2399	102	Tetrahydrofuran
UN 2400	102	Tetrahydrofuran
UN 2401	102	Tetrahydrofuran
UN 2402	102	Tetrahydrofuran
UN 2403	102	Tetrahydrofuran
UN 2404	102	Tetrahydrofuran
UN 2405	102	Tetrahydrofuran
UN 2406	102	Tetrahydrofuran
UN 2407	102	Tetrahydrofuran
UN 2408	102	Tetrahydrofuran
UN 2409	102	Tetrahydrofuran
UN 2410	102	Tetrahydrofuran
UN 2411	102	Tetrahydrofuran
UN 2412	102	Tetrahydrofuran
UN 2413	102	Tetrahydrofuran
UN 2414	102	Tetrahydrofuran
UN 2415	102	Tetrahydrofuran
UN 2416	102	Tetrahydrofuran
UN 2417	102	Tetrahydrofuran
UN 2418	102	Tetrahydrofuran
UN 2419	102	Tetrahydrofuran
UN 2420	102	Tetrahydrofuran
UN 2421	102	Tetrahydrofuran
UN 2422	101	Ammonium nitrate, solution
UN 2423	102	Potassium chlorate
UN 2424	102	Sodium chlorate
UN 2425	102	Calcium chlorate
UN 2426	102	o-Anisidine
UN 2427	102	N,N-Dimethylaniline
UN 2428	102	Chloro-o-nitrobenzene
UN 2429	102	Diethylchlorobenzene
UN 2430	102	Ethyl phenyl dichlorobenzene
UN 2431	102	Trichlorobenzene
UN 2432	102	Methylphenylchlorobenzene
UN 2433	102	Phenyl chloride
UN 2434	101	Trimethylacetyl chloride
UN 2435	101	Sodium trifluoride, solid
UN 2436	101	Sodium trifluoride, solution
UN 2437	102	Sodium hydrogen fluoride
UN 2438	102	Stannic chloride pentahydrate
UN 2439	102	Titanium trichloride
UN 2440	102	Trichloroacetyl chloride
UN 2441	102	Vanadium oxytrichloride
UN 2442	101	Vanadium oxytrichloride
UN 2443	101	Vanadium oxytrichloride and titanium trichloride mixture
UN 2444	101	Vanadium tetrachloride
UN 2445	102	Lithium alkyls
UN 2446	102	Nitroacetic
UN 2447	102	Phosphorus white, molten
UN 2448	102	Sulphur, molten
UN 2449	101	Ammonium azide
UN 2450	101	Capric azide
UN 2451	101	Oxalates
UN 2452	102	Nitrogen sulfide
UN 2453	102	2-Chloropropene
UN 2454	102	2-Chloropropene
UN 2455	102	2,3-Dimethylbutane
UN 2456	102	Hexadecane
UN 2457	102	2-Methyl-1-butene
UN 2458	102	2-Methyl-2-butene
UN 2459	102	2-Methyl-2-butene
UN 2460	102	2-Methyl-2-butene
UN 2461	102	2-Methyl-2-butene
UN 2462	102	2-Methyl-2-butene
UN 2463	102	2-Methyl-2-butene
UN 2464	102	2-Methyl-2-butene
UN 2465	102	2-Methyl-2-butene
UN 2466	102	2-Methyl-2-butene
UN 2467	102	2-Methyl-2-butene
UN 2468	102	2-Methyl-2-butene
UN 2469	102	2-Methyl-2-butene
UN 2470	102	2-Methyl-2-butene
UN 2471	102	2-Methyl-2-butene
UN 2472	102	2-Methyl-2-butene
UN 2473	102	2-Methyl-2-butene
UN 2474	102	2-Methyl-2-butene
UN 2475	102	2-Methyl-2-butene
UN 2476	102	2-Methyl-2-butene
UN 2477	102	2-Methyl-2-butene
UN 2478	102	2-Methyl-2-butene
UN 2479	102	2-Methyl-2-butene
UN 2480	102	2-Methyl-2-butene
UN 2481	102	2-Methyl-2-butene
UN 2482	102	2-Methyl-2-butene
UN 2483	102	2-Methyl-2-butene
UN 2484	102	2-Methyl-2-butene
UN 2485	102	2-Methyl-2-butene
UN 2486	102	2-Methyl-2-butene
UN 2487	102	2-Methyl-2-butene
UN 2488	102	2-Methyl-2-butene
UN 2489	102	2-Methyl-2-butene
UN 2490	102	2-Methyl-2-butene
UN 2491	102	2-Methyl-2-butene
UN 2492	102	2-Methyl-2-butene
UN 2493	102	2-Methyl-2-butene
UN 2494	102	2-Methyl-2-butene
UN 2495	102	2-Methyl-2-butene
UN 2496	102	2-Methyl-2-butene
UN 2497	102	2-Methyl-2-butene
UN 2498	102	2-Methyl-2-butene
UN 2499	102	2-Methyl-2-butene
UN 2500	102	2-Methyl-2-butene

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REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 2469	102	Zinc bromate
UN 2470	102	Benzyl cyanide
UN 2471	102	Cesium trioxide
UN 2473	102	Sodium arsenite
UN 2474	101	Thiophosgene
UN 2475	102	Vanadium trichloride
UN 2477	102	Methyl isothiocyanate
UN 2478	102	Isocyanates
UN 2480	102	Methyl isocyanate
UN 2481	102	Ethyl isocyanate
UN 2482	102	n-Propyl isocyanate
UN 2483	102	Isopropyl isocyanate
UN 2484	102	tert-Butyl isocyanate
UN 2485	101	n-Butyl isocyanate
UN 2486	102	Isobutyl isocyanate
UN 2487	102	Phenyl isocyanate
UN 2488	102	Cyclohexyl isocyanate
UN 2489	102	Oxyphenylmethane diisocyanate
UN 2490	101	Dichloroisopropyl ether
UN 2491	102	Ethionine
UN 2492	101	Alkylthiocarbamate
UN 2493	101	Hexamethylenimine
UN 2495	101	Iodine pentafluoride
UN 2496	101	Propionic anhydride
UN 2497	102	Sodium phenoxide
UN 2497	101	Sodium phenoxide, solid
UN 2498	102	1,2,3,6-Tetrahydrobenzothiazole
UN 2498	101	1,2,3,6-Tetrahydrobenzothiazole
UN 2501	102	Tile-(1-aziridinyl)phosphine oxide
UN 2501	101	Tile-(1-aziridinyl) phosphine oxide
UN 2502	101	Valeryl chloride
UN 2502	102	Valeryl chloride
UN 2503	102	Zirconium tetrachloride
UN 2503	101	Zirconium tetrachloride, solid
UN 2504	101	Acetylene tetrabromide
UN 2505	101	Ammonium fluoride
UN 2506	101	Ammonium hydrogen sulfate
UN 2507	102	Chloroplatinic acid
UN 2507	101	Chloroplatinic acid, solid
UN 2508	101	Octylaluminum pentachloride
UN 2509	101	Potassium hydrogen sulfate, solid
UN 2511	102	Chloropropionic acid
UN 2512	102	Acetophenone
UN 2513	102	Bromocetyl bromide
UN 2514	101	Bromobenzene
UN 2515	102	Bromotoluene
UN 2516	102	Carbon tetrachloride
UN 2517	101	Dichloromethane
UN 2518	102	1,5,9-Cyclododecatriene
UN 2520	102	Cyclooctadiene
UN 2521	102	Dibutyltin diisobutyrate
UN 2522	102	Diethyltin diisobutyrate
UN 2524	102	Ethyl orthoacetate
UN 2525	102	Ethyl oxalate
UN 2526	102	Furfurylamine
UN 2527	102	Isobutyl acrylate
UN 2528	102	Isobutyryl chloride
UN 2529	101	Isobutyric acid
UN 2530	101	Isobutyric anhydride
UN 2531	102	Methacrylic acid
UN 2533	102	Methyl trichloroacetate
UN 2534	102	Methyl chlorosilane
UN 2535	102	Methylmorpholine
UN 2536	102	Methyltetrahydrofuran
UN 2538	102	Nitrophenol
UN 2541	102	Tacipinone
UN 2542	102	Tributylamine
UN 2545	101	Aluminum metal, dry
UN 2545	102	Aluminum metal powder, dry
UN 2546	102	Titanium metal powder, dry
UN 2546	101	Titanium metal powder, dry or wet
UN 2547	102	Sodium superoxide
UN 2550	102	Ethyl methyl ketone peroxide(s)
UN 2550	101	Methyl ethyl ketone peroxide
UN 2551	101	tert-Butyl peroxycarbonate
UN 2551	102	tert-Butyl peroxycarbonate
UN 2552	102	Hexafluoroacetone hydrate
UN 2553	102	Coal tar naphtha
UN 2553	101	Coal tar naphtha
UN 2553	101	Naphthalene
UN 2554	102	Methyl ethyl chloride
UN 2555	102	Nitrocellulose
UN 2555	101	Nitrocellulose, colloidal, granular or flakes, wet with not less than 20% water

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
NA 2555	101	Nitrocellulose, wet with not less than 80% water
UN 2556	102	Nitrocellulose
NA 2556	101	Nitrocellulose, wet with not less than 80% alcohol or solvent
NA 2557	101	Lacquer base, or Lacquer chips, dry
UN 2557	102	Nitrocellulose
UN 2558	102	1-Bromo-2,3-epoxypropane
UN 2582	101	tert-Butyl peroxycarbonate
UN 2582	102	tert-Butyl peroxycarbonate
UN 2584	102	Trichloroacetic acid
UN 2584	101	Trichloroacetic acid solution
UN 2585	102	Dicyclohexylamine
UN 2587	101	Sodium pentachlorophosphate
NA 2570	101	Cadmium acetate
NA 2570	101	Cadmium bromide
NA 2570	101	Cadmium chloride
UN 2570	102	Cadmium compounds
UN 2572	102	Phenylhydrazine
UN 2573	102	Thallium ethoxide
UN 2574	102	Trisopropylphosphate
UN 2582	101	Fewer chloride solution
UN 2584	101	Alkanesulfonic acid
NA 2584	101	Dodecylbenzenesulfonic acid
NA 2584	101	Toluene sulfonic acid, liquid
NA 2586	101	Insecticide, dry, n.o.s.
UN 2588	102	Pesticides
UN 2590	102	Asbestos, white
UN 2592	101	Dibutyl peroxycarbonate
UN 2592	102	Dibutyl peroxycarbonate
UN 2593	102	Bis-(2-methylbenzoyl)peroxide
UN 2593	101	Di-(2-methylbenzoyl)peroxide
UN 2594	101	tert-Butyl peroxycarbonate
UN 2594	102	tert-Butyl peroxycarbonate
UN 2595	101	Dibutyl peroxycarbonate
UN 2595	102	Dibutyl peroxycarbonate
UN 2596	102	3-tert-Butylperoxy-3-phenyl phthalide
UN 2596	101	3-tert-Butyl peroxy-3-phenylphthalide
UN 2597	102	Bis-(3,5,5-trimethyl-1,2-dioxolanyl- 2)peroxide
UN 2597	101	Di-(3,5,5-trimethyl-1,2-dioxolanyl- 2)peroxide
UN 2598	102	Ethyl-3,3-bis(tert- butylperoxy)butyrate
UN 2598	101	Ethyl-3,3-bis(tert-butylperoxy)butyrate
UN 2598	101	Dichlorodifluoromethane and chloroethane mixture
UN 2599	102	Cyclohexadiene
UN 2604	102	Boron trifluoride diethyl etherate
UN 2605	102	Methoxymethyl isocyanate
UN 2606	102	Methyl orthoacetate
UN 2607	102	Acrolein dimer
UN 2608	102	Nitropropane
UN 2610	102	Triethylamine
UN 2612	102	Methyl propyl ether
UN 2614	102	Methyl ethyl ether
UN 2615	102	Ethyl propyl ether
UN 2616	102	Triisopropyl borate
UN 2617	102	Methyl cyclohexanol
UN 2618	102	Vinyl Toluene
UN 2619	102	Benzyl dimethylamine
UN 2621	102	Acetyl methyl carbonyl
UN 2622	102	Glycidyl ether
NA 2626	101	Chloro-acid
UN 2630	101	Sodium azide
UN 2646	101	Hexachlorocyclopentadiene
UN 2655	102	Potassium ethylfluoride
UN 2658	101	Quinoline
UN 2678	102	Oxyacetic acid
UN 2678	102	Ammonia solutions
NA 2672	101	Ammonium hydroxide
UN 2674	102	Sodium silicofluoride
NA 2689	101	Ammonium hydrosulfide solution
UN 2693	101	Ammonium sulfide solution
UN 2693	102	Dibutyltin diisobutyrate
UN 2693	101	Boron trifluoride
NA 2693	101	Ammonium bisulfite, solid
NA 2693	101	Ammonium bisulfite solution
NA 2693	101	Calcium hydrogen sulfite solution
NA 2693	101	Potassium metabisulfite
NA 2693	101	Sodium hydrogen sulfite, solid
UN 2703	101	Sodium metabisulfite
UN 2703	101	Isopropyl mercaptan
UN 2704	101	Propyl mercaptan
UN 2706	102	Diethylcarbazole

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
UN 2707	102	Dimethyldioxanes
UN 2708	102	Butoxyl
UN 2709	102	Butyl benzenes
UN 2710	102	Butyrene
UN 2711	102	Dibromobenzene
UN 2725	101	Nickel nitrate
UN 2728	101	Zirconium nitrate
UN 2733	102	Allylamine and polyamines
UN 2740	102	n-Propyl chloroformate
UN 2749	102	Tetramethylsilane
UN 2752	102	1,2-Epoxy-3-ethoxy propane
UN 2755	102	3-Chlorophenylbenzoic acid
UN 2755	102	m-Chlorophenylbenzoic acid
UN 2756	101	Organic peroxide, mixture
UN 2757	102	Organic peroxide, mixture
NA 2757	101	Carbaryl
NA 2757	101	Carbolan
NA 2757	101	Mercaptodimethyl
NA 2757	101	Mercaptobenzene
UN 2758	101	Carbamate pesticide
UN 2758	101	Arsenical pesticide
NA 2758	101	Bordeaux arsenite, liquid
NA 2758	101	Bordeaux arsenite, solid
UN 2760	101	Arsenical pesticide
UN 2761	101	Aldrin
NA 2761	101	Aldrin, cast solid
NA 2761	101	Aldrin mixture, dry
NA 2761	101	Aldrin mixture, dry, with 65% or less aldrin
NA 2761	101	DOT or Dichlorodiphenyltrichloroethane
NA 2761	101	Dichloro
NA 2761	101	Dieldrin
NA 2761	101	Endosulfan
NA 2761	101	Endrin
NA 2761	101	Haptachlor
NA 2761	101	Kathene
NA 2761	101	Kapone
NA 2761	101	Lindane
NA 2761	101	Methoxychlor
UN 2761	101	Organochlorine pesticide
NA 2761	101	TDE
NA 2761	101	Toxaphene
UN 2762	101	Aldrin mixture, liquid
UN 2762	101	Aldrin mixture, liquid, with 60% or less aldrin
NA 2762	101	Chlordane, liquid
UN 2762	101	Organochlorine pesticide
UN 2763	101	Trichloro pesticide
UN 2764	101	Trichloro pesticide
NA 2765	101	2,4-Dichlorophenoxyacetic acid
NA 2765	101	2,4-Dichlorophenoxyacetic acid ester
UN 2765	101	Phenoxy pesticide
NA 2765	101	Propargite
NA 2765	101	2,4,5-Trichlorophenoxyacetic acid
NA 2765	101	2,4,5-Trichlorophenoxyacetic acid amine, ester, or salt
NA 2765	101	2,4,5-Trichlorophenoxypropionic acid
UN 2765	101	2,4,5-Trichlorophenoxypropionic acid ester
UN 2766	101	Phenoxy pesticide
NA 2767	101	Duron
UN 2767	101	Phenylurea pesticide
UN 2768	101	Phenylurea pesticide
UN 2769	101	Benzoc derivative pesticide
NA 2769	101	Dicamba
UN 2769	101	Dichlorobenzene
UN 2770	101	Benzoc derivative pesticide
UN 2771	101	Dithiocarbamate pesticide
UN 2771	101	Thiram
UN 2772	101	Dithiocarbamate pesticide
UN 2773	101	Phthalimide derivative pesticide
UN 2774	101	Phthalimide derivative pesticide
UN 2775	101	Copper based pesticide
UN 2776	101	Copper based pesticide
UN 2777	101	Mercury based pesticide
UN 2778	101	Mercury based pesticide
UN 2779	101	Substituted nitrophenol pesticide
UN 2780	101	Substituted nitrophenol pesticide
UN 2781	101	Bipyridium pesticide
UN 2781	101	Diquat
UN 2782	101	Bipyridium pesticide
NA 2783	101	Azinphos methyl
NA 2783	101	Chlorpyrifos

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APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
NA 2783	101	Coumestrol
NA 2783	101	Diazinon
NA 2783	101	Dichlorvos
NA 2783	101	Disulfoton
NA 2783	101	Ethion
NA 2783	101	Hexaethyl tetraphosphate mixture, dry
NA 2783	101	Hexaethyl tetraphosphate mixture, liquid
NA 2783	101	Malathion
NA 2783	101	Methyl parathion, liquid
NA 2783	101	Methyl parathion mixture, dry
NA 2783	101	Methyl parathion mixture, liquid
NA 2783	101	Methyl parathion mixture, liquid, (containing 25% or less methyl parathion)
NA 2783	101	Mevinphos
UN 2783	101	Mpaxox
NA 2783	101	Naled
NA 2783	101	Organic phosphate mixture, Organic phosphate compound mixture, or Organic phosphorus compound mixture, liquid
NA 2783	101	Organic phosphate, Organic phosphate compound, or Organic phosphorus compound, liquid
UN 2783	101	Organophosphorus pesticide
NA 2783	101	Parathion, liquid
NA 2783	101	Parathion mixture, dry
NA 2783	101	Parathion mixture, liquid
NA 2783	101	Phenacapon
NA 2783	101	Tetraethyl pyrophosphate, liquid
NA 2783	101	Tetraethyl pyrophosphate mixture, dry
NA 2783	101	Tetraethyl pyrophosphate mixture, liquid
NA 2783	101	Trichlorfon
UN 2784	101	Organophosphorus pesticide
UN 2785	102	4-Thiophenol
UN 2786	101	Organotin pesticide
UN 2787	101	Organotin pesticide
UN 2789	101	Acetic acid, glacial
UN 2790	101	Acetic acid
NA 2791	101	Aircraft rocket engine
UN 2792	101	Aircraft rocket engine igniter
UN 2793	102	Iron swirl
NA 2793	101	Magnesium scrap
NA 2793	101	Metal borings, shavings, turnings, or cuttings
NA 2794	101	Battery charger with electrolyte (acid) or alkaline battery fluid
NA 2794	101	Battery, electric storage, wet
NA 2794	101	Battery, electric storage, wet, with automobile, auto parts, engine
NA 2794	101	Battery, electric storage, wet, with containers of electrolyte (acid) or alkaline battery fluid
UN 2796	101	Electrolyte (acid) battery fluid
NA 2797	101	Alkaline battery fluid
NA 2797	101	Alkaline battery fluid with empty storage battery
NA 2797	101	Electrolyte (acid) or alkaline battery fluid, packed with dry-storage battery
UN 2798	101	Benzene phosphorus dichloride
UN 2799	101	Benzene phosphorus trichloride
NA 2801	101	Coal tar dyes, liquid
UN 2801	101	Dye intermediate, liquid
UN 2802	101	Copper chloride
UN 2803	101	Gallium metal, liquid
UN 2803	101	Gallium metal, solid
UN 2805	101	Lithium hydride in fused solid form
UN 2807	101	Lithium nitride
UN 2807	101	Magnetized material
NA 2809	101	Mercury, metallic
NA 2810	101	Arsenious and mercuric iodide solution
NA 2810	101	Compound, tree or weed killing, liquid
NA 2810	101	Drugs, n.o.s. liquid
NA 2810	101	Poisonous liquid, n.o.s. or Poison B, liquid, n.o.s.
UN 2810	102	Poisonous liquids, n.o.s.
(UN 2810)	102	Sodium fluoride
NA 2811	101	Drugs, n.o.s. solid

APPENDIX A - IDENTIFICATION NUMBER CROSS
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§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
NA 2811	101	Flue dust, poisonous
NA 2811	101	Lead fluoride
NA 2811	101	Lead iodide
NA 2811	101	Lead stearate
NA 2811	101	Poisonous solid, n.o.s. or Poison B, solid, n.o.s.
UN 2811	102	Poisonous solids, n.o.s.
NA 2811	101	Selenium oxide
(UN 2811)	102	Silicofluorides
UN 2812	101	Sodium aluminate, solid
NA 2813	101	Lithium acetylide-ethylene diamine complex
UN 2813	101	Water reactive solid, n.o.s.
NA 2814	101	Edologic agent, n.o.s.
UN 2815	101	N-Aminoethylpiperazine
UN 2817	101	Ammonium hydrogen fluoride solution
UN 2818	101	Ammonium polysulfide solution
UN 2819	101	Amyl acid phosphate
UN 2820	101	Butyric acid
NA 2821	101	Phenol, liquid or solution
UN 2823	101	Oxalic acid
UN 2828	101	Ethyl chlorothioformate
UN 2830	101	Lithium ferrosilicon
UN 2831	101	1,1,1-Trichloroethane
UN 2835	101	Sodium aluminum hydride
UN 2837	101	Sodium hydrogen sulfide solution
UN 2845	101	Pyrophoric liquid, n.o.s. or Pyrophoric liquid, n.o.s.
UN 2854	101	Ammonium silicofluoride
UN 2855	101	Zinc silicofluoride
UN 2857	101	Refrigerating machine
UN 2859	102	Ammonium metavanadate
UN 2860	102	Vanadium trioxide
UN 2861	102	Ammonium polyvanadate
UN 2862	101	Vanadium pentoxide
UN 2863	102	Sodium-ammonium-vanadate
UN 2864	102	Potassium metavanadate
UN 2867	101	Ink
UN 2868	101	Resin solution
UN 2876	101	Resorcinol
UN 2880	101	Calcium hypochlorite, hydrated
UN 2883	101	2,2-Di-(tert-butylperoxy)propane
UN 2884	101	2,2-Di-(tert-butylperoxy)propane
UN 2885	101	1,1-Di-(tert-butylperoxy)cyclohexane
UN 2886	101	tert-Butyl peroxy-2-ethylhexanoate
UN 2887	101	tert-Butyl peroxy-2-ethylhexanoate
UN 2888	101	tert-Butyl peroxy-2-ethylhexanoate
UN 2889	101	Diisobutyl peroxydicarbonate
UN 2890	101	tert-Butyl peroxybenzoate
UN 2891	101	tert-Butyl peroxybenzoate
UN 2892	101	Dimethyl peroxydicarbonate
UN 2893	101	Lauryl peroxide
UN 2894	101	Di-(4-tert- butylcyclohexyl)peroxydicarbonate
UN 2895	101	Diethyl peroxydicarbonate
UN 2896	101	Cyclohexanone peroxide
UN 2897	101	1,1-Di-(tert-butylperoxy)cyclohexane
UN 2898	101	tert-Amyl peroxy-2-ethylhexanoate
UN 2899	101	Organic peroxide, trial quantity, n.o.s.
NA 2902	101	Insecticide, liquid, n.o.s.
UN 2910	101	Radioactive material, limited quantity, n.o.s.
UN 2911	101	Radioactive device, n.o.s.
UN 2912	101	Radioactive material, low specific activity or LSA, n.o.s.
UN 2918	101	Radioactive material, flammable, n.o.s.
UN 2922	101	Corrosive liquid, poisonous, n.o.s.
NA 2922	101	Dimethyl chlorophosphate
UN 2924	101	Sodium hydroxide, solution
UN 2924	101	Dichlorobenzene
UN 2925	101	Flammable liquid, corrosive, n.o.s.
UN 2925	101	Flammable solid, corrosive, n.o.s.
UN 2926	101	Flammable solid, poisonous, n.o.s.
UN 2928	101	Poisonous solid, corrosive, n.o.s.
NA 8011	101	Camphene
NA 8018	101	Dichlorodifluoroethylene
NA 8026	101	Dinitrocyclohexylphenol
NA 8035	101	Gas identification set
NA 8035	101	Poisonous liquid or gas, n.o.s.
NA 8037	101	Hexachloroethane
NA 8053	101	Oiled material
NA 8069	101	Tetramethylmethylenediamine
NA 8077	101	Adipic acid

APPENDIX A - IDENTIFICATION NUMBER CROSS
REFERENCE TO PROPER SHIPPING NAMES IN
§ 172.101 AND § 172.102—Continued

This listing is provided for information purposes only.

(1) Identifi- cation Number	(2) Source 172.***	(3) Description
NA 8078	101	Aluminum sulfate, solid
NA 8079	101	Ammonium acetate
NA 8080	101	Ammonium benzoate
NA 8081	101	Ammonium bicarbonate
NA 8083	101	Ammonium carbonate
NA 8084	101	Ammonium carbonate
NA 8085	101	Ammonium chloride
NA 8086	101	Ammonium chromate
NA 8087	101	Ammonium citrate
NA 8088	101	Ammonium fluoroborate
NA 8089	101	Ammonium sulfamate
NA 8090	101	Ammonium sulfate
NA 8091	101	Ammonium iodate
NA 8092	101	Ammonium thiocyanate
NA 8093	101	Ammonium thiocyanate
NA 8094	101	Benzoic acid
NA 8095	101	n-Butyl phthalate
NA 8096	101	Calcium chromate
NA 8097	101	Calcium dodecylbenzenesulfonate
NA 8099	101	Captan
NA 9100	101	Chromic sulfate
NA 9101	101	Chromic acetate
NA 9102	101	Chromous chloride
NA 9103	101	Cobaltous bromide
NA 9104	101	Cobaltous formate
NA 9105	101	Cobaltous sulfamate
NA 9106	101	Cupric acetate
NA 9109	101	Cupric sulfate
NA 9110	101	Cupric sulfate, ammoniated
NA 9111	101	Cupric tartrate
NA 9117	101	Ethylenediaminetetraacetic acid
NA 9118	101	Ferric ammonium citrate
NA 9119	101	Ferric ammonium oxalate
NA 9120	101	Ferric fluoride
NA 9121	101	Ferric sulfate
NA 9122	101	Ferrous ammonium sulfate
NA 9125	101	Ferrous sulfate
NA 9126	101	Fumaric acid
NA 9127	101	Isopropylamine dodecylbenzenesulfonate
NA 9134	101	Lithium chromate
NA 9137	101	Naphthoic acid
NA 9138	101	Nickel ammonium sulfate
NA 9139	101	Nickel chloride
NA 9140	101	Nickel hydroxide
NA 9141	101	Nickel sulfate
NA 9142	101	Potassium chromate
NA 9145	101	Sodium chromate
NA 9146	101	Sodium dodecylbenzenesulfonate
NA 9147	101	Sodium phosphate, dibasic
NA 9148	101	Sodium phosphate, tribasic
NA 9149	101	Strontium chromate
NA 9151	101	Triethanolamine dodecylbenzenesulfonate
NA 9152	101	Vanadyl sulfate
NA 9153	101	Zinc acetate
NA 9154	101	Zinc ammonium chloride
NA 9155	101	Zinc borate
NA 9156	101	Zinc bromide
NA 9157	101	Zinc carbonate
NA 9158	101	Zinc fluoride
NA 9159	101	Zinc formate
NA 9160	101	Zinc phenolsulfonate
NA 9161	101	Zinc sulfate
NA 9162	101	Zirconium potassium fluoride
NA 9163	101	Zirconium sulfate
NA 9170	101	Thermit metal, pyrophoric
NA 9171	101	Thorium nitrate
NA 9173	101	Uranium hexafluoride, flammable
NA 9174	101	Uranium hexafluoride, low specific activity
NA 9175	101	Uranium metal, pyrophoric
NA 9177	101	Uranium nitrate, solid
NA 9178	101	Uranium nitrate hexahydrate solution
NA 9180	101	Uranium acetate
NA 9181	101	Radioactive material, n.o.s.
NA 9182	101	Radioactive material, special form, n.o.s.
NA 9183	101	Organic peroxide, liquid, or solution, n.o.s.
NA 9184	101	Pyrethrin
NA 9185	101	Plutonium nitrate solution
NA 9188	101	Hazardous substance, liquid or solid, n.o.s.
NA 9189	101	Hazardous waste, liquid or solid, n.o.s.

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