

designated as hazardous materials for purposes of transportation and prescribes the requirements for shipping papers, package marking, labeling, and transport vehicle placarding applicable to the shipment and transportation of those hazardous materials.

[Amdt. 172-29, 41 FR 15997, Apr. 15, 1976, as amended by 66 FR 45379, Aug. 28, 2001]

§ 172.3 Applicability.

(a) This part applies to—

- (1) Each person who offers a hazardous material for transportation, and
- (2) Each carrier by air, highway, rail, or water who transports a hazardous material.

(b) When a person, other than one of those provided for in paragraph (a) of this section, performs a packaging labeling or marking function required by this part, that person shall perform the function in accordance with this part.

[Amdt. 172-29, 41 FR 15996, Apr. 15, 1976, as amended by Amdt. 172-32, 41 FR 38179, Sept. 9, 1976]

Subpart B—Table of Hazardous Materials and Special Provisions

§ 172.101 Purpose and use of hazardous materials table.

(a) The Hazardous Materials Table (Table) in this section designates the materials listed therein as hazardous materials for the purpose of transportation of those materials. For each listed material, the Table identifies the hazard class or specifies that the material is forbidden in transportation, and gives the proper shipping name or directs the user to the preferred proper shipping name. In addition, the Table specifies or references requirements in this subchapter pertaining to labeling, packaging, quantity limits aboard aircraft and stowage of hazardous materials aboard vessels.

(b) *Column 1: Symbols.* Column 1 of the Table contains six symbols (“+”, “A”, “D”, “G”, “I” and “W”) as follows:

(1) The plus (+) sign fixes the proper shipping name, hazard class and packing group for that entry without regard to whether the material meets the definition of that class, packing group or any other hazard class definition. When the plus sign is assigned to a proper

shipping name in Column (1) of the §172.101 Table, it means that the material is known to pose a risk to humans. When a plus sign is assigned to mixtures or solutions containing a material where the hazard to humans is significantly different from that of the pure material or where no hazard to humans is posed, the material may be described using an alternative shipping name that represents the hazards posed by the material. An appropriate alternate proper shipping name and hazard class may be authorized by the Associate Administrator.

(2) The letter “A” denotes a material that is subject to the requirements of this subchapter only when offered or intended for transportation by aircraft, unless the material is a hazardous substance or a hazardous waste. A shipping description entry preceded by an “A” may be used to describe a material for other modes of transportation provided all applicable requirements for the entry are met.

(3) The letter “D” identifies proper shipping names which are appropriate for describing materials for domestic transportation but may be inappropriate for international transportation under the provisions of international regulations (e.g., IMO, ICAO). An alternate proper shipping name may be selected when either domestic or international transportation is involved.

(4) The letter “G” identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description. (See §172.203(k).)

(5) The letter “I” identifies proper shipping names which are appropriate for describing materials in international transportation. An alternate proper shipping name may be selected when only domestic transportation is involved.

(6) The letter “W” denotes a material that is subject to the requirements of this subchapter only when offered or intended for transportation by vessel, unless the material is a hazardous substance or a hazardous waste. A shipping description entry preceded by a “W” may be used to describe a material for other modes of transportation

provided all applicable requirements for the entry are met.

(c) *Column 2: Hazardous materials descriptions and proper shipping names.* Column 2 lists the hazardous materials descriptions and proper shipping names of materials designated as hazardous materials. Modification of a proper shipping name may otherwise be required or authorized by this section. Proper shipping names are limited to those shown in Roman type (not italics).

(1) Proper shipping names may be used in the singular or plural and in either capital or lower case letters. Words may be alternatively spelled in the same manner as they appear in the ICAO Technical Instructions or the IMDG Code. For example “aluminum” may be spelled “aluminium” and “sulfur” may be spelled “sulphur”. However, the word “inflammable” may not be used in place of the word “flammable”.

(2) Punctuation marks and 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 terms in the sequence may be used as the proper shipping name, as appropriate.

(3) The word “poison” or “poisonous” may be used interchangeably with the word “toxic” when only domestic transportation is involved. The abbreviation “n.o.i.” or “n.o.i.b.n.” may be used interchangeably with “n.o.s.”.

(4) Except for hazardous wastes, when qualifying words are used as part of the proper shipping name, their sequence in the package markings and shipping paper description is optional. However, the entry in the Table reflects the preferred sequence.

(5) When one entry references another entry by use of the word “see”, if both names are in Roman type, either name may be used as the proper shipping name (e.g., Ethyl alcohol, *see* Ethanol).

(6) When a proper shipping name includes a concentration range as part of the shipping description, the actual concentration, if it is within the range stated, may be used in place of the concentration range. For example, an aqueous solution of hydrogen peroxide containing 30 percent peroxide may be

described as “Hydrogen peroxide, aqueous solution *with not less than 20 percent but not more than 40 percent hydrogen peroxide*” or “Hydrogen peroxide, aqueous solution *with 30 percent hydrogen peroxide*”.

(7) Use of the prefix “mono” is optional in any shipping name, when appropriate. Thus, Iodine monochloride may be used interchangeably with Iodine chloride. In “Glycerol alpha-monochlorohydrin” the term “mono” is considered a prefix to the term “chlorohydrin” and may be deleted.

(8) Use of the word “liquid” or “solid”. The word “liquid” or “solid” may be added to a proper shipping name when a hazardous material specifically listed by name may, due to differing physical states, be a liquid or solid. When the packaging specified in Column 8 is inappropriate for the physical state of the material, the table provided in paragraph (i)(4) of this section should be used to determine the appropriate packaging section.

(9) *Hazardous wastes.* If the word “waste” is not included in the hazardous material description in Column 2 of the Table, the proper shipping name for a hazardous waste (as defined in §171.8 of this subchapter), shall include the word “Waste” preceding the proper shipping name of the material. For example: Waste acetone.

(10) *Mixtures and solutions.* (i) A mixture or solution not identified specifically by name, comprised of a hazardous material identified in the Table by technical name and non-hazardous material, shall be described using the proper shipping name of the hazardous material and the qualifying word “mixture” or “solution”, as appropriate, unless—

(A) Except as provided in §172.101(i)(4) the packaging specified in Column 8 is inappropriate to the physical state of the material;

(B) The shipping description indicates that the proper shipping name applies only to the pure or technically pure hazardous material;

(C) The hazard class, packing group, or subsidiary hazard of the mixture or solution is different from that specified for the entry;

(D) There is a significant change in the measures to be taken in emergencies;

(E) The material is identified by special provision in Column 7 of the §172.101 Table as a material poisonous by inhalation; however, it no longer meets the definition of poisonous by inhalation or it falls within a different hazard zone than that specified in the special provision; or

(F) The material can be appropriately described by a shipping name that describes its intended application, such as "Coating solution", "Extracts, flavoring" or "Compound, cleaning liquid".

(ii) If one or more of the conditions specified in paragraph (c)(10)(i) of this section is satisfied, then a proper shipping name shall be selected as prescribed in paragraph (c)(12)(ii) of this section.

(iii) A mixture or solution not identified in the Table specifically by name, comprised of two or more hazardous materials in the same hazard class, shall be described using an appropriate shipping description (e.g., "Flammable liquid, n.o.s."). The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as "Alcohol, n.o.s." rather than "Flammable liquid, n.o.s.". Some mixtures may be more appropriately described according to their application, such as "Coating solution" or "Extracts, flavoring liquid" rather than by an n.o.s. entry. Under the provisions of subparts C and D of this part, the technical names of at least two components most predominately contributing to the hazards of the mixture or solution may be required in association with the proper shipping name.

(11) Except for a material subject to or prohibited by §173.21, 173.54, 173.56(d), 173.56(e), 173.224(c) or 173.225(b) of this subchapter, a material that is considered to be a hazardous waste or a sample of a material for which the hazard class is uncertain and must be determined by testing may be assigned a tentative proper shipping name, hazard class, identification number and packing group, if applicable, based on the shipper's tentative determination according to:

(i) Defining criteria in this subchapter;

(ii) The hazard precedence prescribed in §173.2a of this subchapter;

(iii) The shipper's knowledge of the material;

(iv) In addition to paragraphs (c)(11)(i) through (iii) of this section, for a sample of a material other than a waste, the following must be met:

(A) Except when the word "Sample" already appears in the proper shipping name, the word "Sample" must appear as part of the proper shipping name or in association with the basic description on the shipping paper.

(B) When the proper shipping description for a sample is assigned a "G" in Column (1) of the §172.101 Table, and the primary constituent(s) for which the tentative classification is based are not known, the provisions requiring a technical name for the constituent(s) do not apply; and

(C) A sample must be transported in a combination packaging that conforms to the requirements of this subchapter that are applicable to the tentative packing group assigned, and may not exceed a net mass of 2.5 kg (5.5 pounds) per package.

NOTE TO PARAGRAPH (c)(11): For the transportation of samples of self-reactive materials, organic peroxides, explosives or lighters, see §§173.224(c)(3), 173.225(c)(2), 173.56(d) or 173.308(b)(2) of this subchapter, respectively.

(12) Except when the proper shipping name in the Table is preceded by a plus (+)—

(i) If it is specifically determined that a material meets the definition of a hazard class, packing group or hazard zone, other than the class, packing group or hazard zone shown in association with the proper shipping name, or does not meet the defining criteria for a subsidiary hazard shown in Column 6 of the Table, the material shall be described by an appropriate proper shipping name listed in association with the correct hazard class, packing group, hazard zone, or subsidiary hazard for the material.

(ii) *Generic or n.o.s. descriptions.* If an appropriate technical name is not shown in the Table, selection of a proper shipping name shall be made from

the generic or n.o.s. descriptions corresponding to the specific hazard class, packing group, hazard zone, or subsidiary hazard, if any, for the material. The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as “Alcohol, n.o.s.” rather than “Flammable liquid, n.o.s.”. Some mixtures may be more appropriately described according to their application, such as “Coating solution” or “Extracts, flavoring, liquid”, rather than by an n.o.s. entry, such as “Flammable liquid, n.o.s.” It should be noted, however, that an n.o.s. description as a proper shipping name may not provide sufficient information for shipping papers and package markings. Under the provisions of subparts C and D of this part, the technical name of one or more constituents which makes the product a hazardous material may be required in association with the proper shipping name.

(iii) *Multiple hazard materials.* If a material meets the definition of more than one hazard class, and is not identified in the Table specifically by name (e.g., acetyl chloride), the hazard class of the material shall be determined by using the precedence specified in §173.2a of this subchapter, and an appropriate shipping description (e.g., “Flammable liquid, corrosive n.o.s.”) shall be selected as described in paragraph (c)(12)(ii) of this section.

(iv) If it is specifically determined that a material is not a forbidden material and does not meet the definition of any hazard class, the material is not a hazardous material.

(13) *Self-reactive materials and organic peroxides.* A generic proper shipping name for a self-reactive material or an organic peroxide, as listed in Column 2 of the Table, must be selected based on the material’s technical name and concentration, in accordance with the provisions of §§173.224 or 173.225 of this subchapter, respectively.

(14) A proper shipping name that describes all isomers of a material may be used to identify any isomer of that material if the isomer meets criteria for the same hazard class or division, subsidiary risk(s) and packing group,

unless the isomer is specifically identified in the Table.

(15) Unless a hydrate is specifically listed in the Table, a proper shipping name for the equivalent anhydrous substance may be used, if the hydrate meets the same hazard class or division, subsidiary risk(s) and packing group.

(16) Unless it is already included in the proper shipping name in the §172.101 Table, the qualifying words “liquid” or “solid” may be added in association with the proper shipping name when a hazardous material specifically listed by name in the §172.101 Table may, due to the differing physical states of the various isomers of the material, be either a liquid or a solid (for example “Dinitrotoluenes, liquid” and “Dinitrotoluenes, solid”). Use of the words “liquid” or “solid” is subject to the limitations specified for the use of the words “mixture” or “solution” in paragraph (c)(10) of this section. The qualifying word “molten” may be added in association with the proper shipping name when a hazardous material, which is a solid in accordance with the definition in §171.8 of this subchapter, is offered for transportation in the molten state (for example, “Alkylphenols, solid, n.o.s., molten”).

(d) *Column 3: Hazard class or Division.* Column 3 contains a designation of the hazard class or division corresponding to each proper shipping name, or the word “Forbidden”.

(1) A material for which the entry in this column is “Forbidden” may not be offered for transportation or transported. This prohibition does not apply if the material is diluted, stabilized or incorporated in a device and it is classed in accordance with the definitions of hazardous materials contained in part 173 of this subchapter.

(2) When a reevaluation of test data or new data indicates a need to modify the “Forbidden” designation or the hazard class or packing group specified for a material specifically identified in the Table, this data should be submitted to the Associate Administrator.

(3) A basic description of each hazard class and the section reference for class definitions appear in §173.2 of this subchapter.

(4) Each reference to a Class 3 material is modified to read "Combustible liquid" when that material is reclassified in accordance with §173.150(e) or (f) of this subchapter or has a flash point above 60 °C (140 °F) but below 93 °C (200 °F).

(e) *Column 4: Identification number.* Column 4 lists the identification number assigned to each proper shipping name. Those preceded by the letters "UN" are associated with proper shipping names considered appropriate for international transportation as well as domestic transportation. Those preceded by the letters "NA" are associated with proper shipping names not recognized for international transportation, except to and from Canada. Identification numbers in the "NA9000" series are associated with proper shipping names not appropriately covered by international hazardous materials (dangerous goods) transportation standards, or not appropriately addressed by international transportation standards for emergency response information purposes, except for transportation between the United States and Canada.

(f) *Column 5: Packing group.* Column 5 specifies one or more packing groups assigned to a material corresponding to the proper shipping name and hazard class for that material. Class 2, Class 7, Division 6.2 (other than regulated medical wastes), and ORM-D materials, do not have packing groups. Packing Groups I, II and III indicate the degree of danger presented by the material is either great, medium or minor, respectively. If more than one packing group is indicated for an entry, the packing group for the hazardous material is determined using the criteria for assignment of packing groups specified in subpart D of part 173. When a reevaluation of test data or new data indicates a need to modify the specified packing group(s), the data should be submitted to the Associate Administrator. Each reference in this column to a material which is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter "A" or "W", is modified to read "III" on those occasions when the material is offered for transportation or transported by a

mode in which its transportation is not otherwise subject to requirements of this subchapter.

(g) *Column 6: Labels.* Column 6 specifies codes which represent the hazard warning labels required for a package filled with a material conforming to the associated hazard class and proper shipping name, unless the package is otherwise excepted from labeling by a provision in subpart E of this part, or part 173 of this subchapter. The first code is indicative of the primary hazard of the material. Additional label codes are indicative of subsidiary hazards. Provisions in §172.402 may require that a label other than that specified in Column 6 be affixed to the package in addition to that specified in Column 6. No label is required for a material classed as a combustible liquid or for a Class 3 material that is reclassified as a combustible liquid. For "Empty" label requirements, see §173.428 of this subchapter. The codes contained in Column 6 are defined according to the following table:

LABEL SUBSTITUTION TABLE

Label code	Label name
1	Explosive
1.1 ¹	Explosive 1.1 ¹
1.2 ¹	Explosive 1.2 ¹
1.3 ¹	Explosive 1.3 ¹
1.4 ¹	Explosive 1.4 ¹
1.5 ¹	Explosive 1.5 ¹
1.6 ¹	Explosive 1.6 ¹
2.1	Flammable Gas
2.2	Non-Flammable Gas
2.3	Poison Gas
3	Flammable Liquid
4.1	Flammable Solid
4.2	Spontaneously Combustible
4.3	Dangerous When Wet
5.1	Oxidizer
5.2	Organic Peroxide
6.1 (inhalation hazard, Zone A or B)	Poison Inhalation Hazard
6.1 (other than inhalation hazard, Zone A or B) ²	Poison
6.2	Infectious substance
7	Radioactive
8	Corrosive
9	Class 9

¹Refers to the appropriate compatibility group letter.

²The packing group for a material is indicated in column 5 of the table.

(h) *Column 7: Special provisions.* Column 7 specifies codes for special provisions applicable to hazardous materials. When Column 7 refers to a special provision for a hazardous material, the

meaning and requirements of that special provision are as set forth in § 172.102 of this subpart.

(i) *Column 8: Packaging authorizations.* Columns 8A, 8B and 8C specify the applicable sections for exceptions, non-bulk packaging requirements and bulk packaging requirements, respectively, in part 173 of this subchapter. Columns 8A, 8B and 8C are completed in a manner which indicates that “§173.” precedes the designated numerical entry. For example, the entry “202” in Column 8B associated with the proper shipping name “Gasoline” indicates that for this material conformance to non-bulk packaging requirements prescribed in § 173.202 of this subchapter is required. When packaging requirements are specified, they are in addition to the standard requirements for all packagings prescribed in § 173.24 of this subchapter and any other applicable requirements in subparts A and B of part 173 of this subchapter.

(1) Exceptions. Column 8A contains exceptions from some of the requirements of this subchapter. The referenced exceptions are in addition to those specified in subpart A of part 173 and elsewhere in this subchapter. A “None” in this column means no packaging exceptions are authorized, except as may be provided by special provisions in Column 7.

(2) Non-bulk packaging. Column 8B references the section in part 173 of this subchapter which prescribes packaging requirements for non-bulk packagings. A “None” in this column means non-bulk packagings are not authorized, except as may be provided by special provisions in Column 7. Each reference in this column to a material which is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W”, is modified to include “§173.203” or “§173.213”, as appropriate for liquids and solids, respectively, on those occasions when the material is offered for transportation or transported by a mode in which its transportation is not otherwise subject to the requirements of this subchapter.

(3) *Bulk packaging.* Column (8C) specifies the section in part 173 of this subchapter that prescribes packaging re-

quirements for bulk packagings, subject to the limitations, requirements, and additional authorizations of Columns (7) and (8B). A “None” in Column (8C) means bulk packagings are not authorized, except as may be provided by special provisions in Column (7) and in packaging authorizations Column (8B). Additional authorizations and limitations for use of UN portable tanks are set forth in Column 7. For each reference in this column to a material that is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W” and that is offered for transportation or transported by a mode in which its transportation is not otherwise subject to the requirements of this subchapter:

(4) For a hazardous material which is specifically named in the Table and whose packaging sections specify packagings not applicable to the form of the material (e.g., packaging specified is for solid material and the material is being offered for transportation in a liquid form) the following table should be used to determine the appropriate packaging section:

Packaging section reference for solid materials	Corresponding packaging section for liquid materials
§ 173.187	§ 173.181
§ 173.211	§ 173.201
§ 173.212	§ 173.202
§ 173.213	§ 173.203
§ 173.240	§ 173.241
§ 173.242	§ 173.243

(5) *Cylinders.* For cylinders, both non-bulk and bulk packaging authorizations are set forth in Column (8B). Notwithstanding a designation of “None” in Column (8C), a bulk cylinder may be used when specified through the section reference in Column (8B).

(j) *Column 9: Quantity limitations.* Columns 9A and 9B specify the maximum quantities that may be offered for transportation in one package by passenger-carrying aircraft or passenger-carrying rail car (Column 9A) or by cargo aircraft only (Column 9B), subject to the following:

(1) “Forbidden” means the material may not be offered for transportation or transported in the applicable mode of transport.

(2) The quantity limitation is “net” except where otherwise specified, such as for “Consumer commodity” which specifies “30 kg gross.”

(3) When articles or devices are specifically listed by name, the net quantity limitation applies to the entire article or device (less packaging and packaging materials) rather than only to its hazardous components.

(4) A package offered or intended for transportation by aircraft and which is filled with a material forbidden on passenger-carrying aircraft but permitted on cargo aircraft only, or which exceeds the maximum net quantity authorized on passenger-carrying aircraft, shall be labelled with the CARGO AIRCRAFT ONLY label specified in §172.448 of this part.

(5) The total net quantity of hazardous material for an outer non-bulk packaging that contains more than one hazardous material may not exceed the lowest permitted maximum net quantity per package as shown in Column 9A or 9B, as appropriate. If one material is a liquid and one is a solid, the maximum net quantity must be calculated in kilograms. See §173.24a(c)(1)(iv).

(k) *Column 10: Vessel stowage requirements.* Column 10A [Vessel stowage] specifies the authorized stowage locations on board cargo and passenger vessels. Column 10B [Other provisions] specifies codes for stowage requirements for specific hazardous materials. The meaning of each code in Column 10B is set forth in §176.84 of this subchapter. Section 176.63 of this subchapter sets forth the physical requirements for each of the authorized locations listed in Column 10A. (For bulk transportation by vessel, see 46 CFR parts 30 to 40, 70, 98, 148, 151, 153 and 154.) The authorized stowage locations specified in Column 10A are defined as follows:

(1) Stowage category “A” means the material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.

(2) Stowage category “B” means—

(i) The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers,

or one passenger per each 3 m of overall vessel length; and

(ii) “On deck only” on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

(3) Stowage category “C” means the material must be stowed “on deck only” on a cargo vessel and on a passenger vessel.

(4) Stowage category “D” means the material must be stowed “on deck only” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers or one passenger per each 3 m of overall vessel length, but the material is prohibited on passenger vessels in which the limiting number of passengers is exceeded.

(5) Stowage category “E” means the material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length, but is prohibited from carriage on passenger vessels in which the limiting number of passengers is exceeded.

(6) Stowage category “01” means the material may be stowed “on deck” or “under deck” on a cargo vessel (up to 12 passengers) and on a passenger vessel.

(7) Stowage category “02” means the material may be stowed “on deck” or “under deck” on a cargo vessel (up to 12 passengers) and “on deck” in closed cargo transport units or “under deck” in closed cargo transport units on a passenger vessel.

(8) Stowage category “03” means the material may be stowed “on deck” or “under deck” on a cargo vessel (up to 12 passengers) and “on deck” in closed cargo transport units on a passenger vessel.

(9) Stowage category “04” means the material may be stowed “on deck” or “under deck” on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(10) Stowage category “05” means the material may be stowed “on deck” in closed cargo transport units or “under deck” on a cargo vessel (up to 12 passengers) and on a passenger vessel.

§ 172.101

49 CFR Ch. I (10–1–09 Edition)

(11) Stowage category “06” means the material may be stowed “on deck” in closed cargo transport units or “under deck” on a cargo vessel (up to 12 passengers) and “on deck” in closed cargo transport units or “under deck” in closed cargo transport units on a passenger vessel.

(12) Stowage category “07” means the material may be stowed “on deck” in closed cargo transport units or “under deck” on a cargo vessel (up to 12 passengers) and “on deck” only in closed cargo transport units on a passenger vessel.

(13) Stowage category “08” means the material may be stowed “on deck” in closed cargo transport units or “under deck” on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(14) Stowage category “09” means the material may be stowed “on deck only” in closed cargo transport units or “under deck” in closed cargo transport units on a cargo vessel (up to 12 passengers) and on a passenger vessel.

(15) Stowage category “10” means the material may be stowed “on deck” in closed cargo transport units or “under deck” in closed cargo transport units on a cargo vessel (up to 12 passengers) and “on deck” only in closed cargo transport units on a passenger vessel.

(16) Stowage category “11” means the material may be stowed “on deck” in closed cargo transport units or “under deck” in magazine stowage type “c” on a cargo vessel (up to 12 passengers) and “on deck” only in closed cargo transport units on a passenger vessel.

(17) Stowage category “12” means the material may be stowed “on deck” in closed cargo transport units or “under deck” in magazine stowage type “c” on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(18) Stowage category “13” means the material may be stowed “on deck” in

closed cargo transport units or “under deck” in magazine stowage type “A” on a cargo vessel (up to 12 passengers) and “on deck” only in closed cargo transport units on a passenger vessel.

(19) Stowage category “14” means the material may be stowed “on deck” in closed cargo transport units on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(20) Stowage category “15” means the material may be stowed “on deck” in closed cargo transport units or “under deck” in closed cargo transport units on a cargo vessel (up to 12 passengers) but the material is prohibited on a passenger vessel.

(1) *Changes to the Table.* (1) Unless specifically stated otherwise in a rule document published in the FEDERAL REGISTER amending the Table—

(i) Such a change does not apply to the shipment of any package filled prior to the effective date of the amendment; and

(ii) Stocks of preprinted shipping papers and package markings may be continued in use, in the manner previously authorized, until depleted or for a one-year period, subsequent to the effective date of the amendment, whichever is less.

(2) Except as otherwise provided in this section, any alteration of a shipping description or associated entry which is listed in the §172.101 Table must receive prior written approval from the Associate Administrator.

(3) The proper shipping name of a hazardous material changed in the May 6, 1997 final rule, in effect on October 1, 1997, only by the addition or omission of the word “compressed,” “inhibited,” “liquefied” or “solution” may continue to be used to comply with package marking requirements, until January 1, 2003.

§ 172.101 HAZARDOUS MATERIALS TABLE

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Accelererene, see p-Nitrosodimethylaniline.												
	Accumulators, electric, see Batteries, wet etc.												
	Accumulators, pressurized, pneumatic or hydraulic (containing non-flammable gas).												
	Acetaldehyde	3	UN1088	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	Acetaldehyde ammonium	3	UN1089	I	3	A3, B16, T11, TP2, TP7	None	201	243	Forbidden	30 L	E	
	Acetaldehyde oxime	9	UN1841	III	3	IB8, IP3, IP7, T1, TP33	155	204	240	200 kg	220 L	A	34
	Acetic acid, glacial or Acetic acid solution, with more than 80 percent acid, by mass.	8	UN2789	II	8, 3	B1, B3, T4, TP1	150	203	242	60 L	220 L	A	
	Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass.	8	UN2790	II	8	A3, A6, A7, A10, B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	
	Acetic acid solution, with more than 10 percent and less than 50 percent acid, by mass.	8	UN2790	III	8	IB3, T4, TP1	154	203	242	5 L	60 L	A	
	Acetic anhydride	8	UN1715	II	8, 3	A3, A6, A7, A10, B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	40
	Acetone	3	UN1090	II	3	2, B9, B14, B32, B76, B77, N34, T20, TP2, TP13, TP38, TP45	150	202	242	5 L	60 L	B	
	Acetone cyanohydrin, stabilized	6.1	UN1541	I	6.1	None	None	227	244	Forbidden	Forbidden	D	25, 40, 52, 53
	Acetone oils	3	UN1091	II	3	IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	Acetonitrile	3	UN1648	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	B	40
	Acetyl acetone peroxide with more than 9 percent by mass active oxygen.	Forbidden											
	Acetyl benzoyl peroxide, solid, or with more than 40 percent in solution.	Forbidden											
	Acetyl bromide	8	UN1716	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)	
	Acetyl chloride	3	UN1717	II	3, 8	A3, A6, A7, IB1, N34, T8, TP2	150	202	243	1 L	5 L	B	40	
	Acetyl cyclohexanesulfonyl peroxide, with more than 82 percent wetted with less than 12 percent water.	Forbidden												
	Acetyl iodide	8	UN1898	II	8	B2, IB2, T7, TP2, TP13	154	202	242	1 L	30 L	C	40	
	Acetyl methyl carbonyl	3	UN2621	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Acetyl peroxide, solid, or with more than 25 percent in solution.	Forbidden												
	Acetylene, dissolved	2.1	UN1001		2.1	N86, N88	None	303	None	Forbidden	15 kg	D	25, 40, 57	
	Acetylene (liquefied)	Forbidden												
	Acetylene silver nitrate	Forbidden												
	Acetylene, solvent free	Forbidden												
	Acetylene tetrabromide, see Tetrabromoethane.													
	Acid butyl phosphate, see Butyl acid phosphate.													
	Acid, sludge, see Sludge acid													
	Acridine	6.1	UN2713	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	Acrolein	3	UN2607	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
	Acrolein dimer, stabilized	6.1	UN1092	I	6.1, 3	1, B9, B14, B30, B42, B77, T22, TP2, TP7, TP13, TP36, TP44	None	226	244	Forbidden	Forbidden	D	40	
	Acrolein, stabilized													
	Acrylamide, solid	6.1	UN2074	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	12	
	Acrylamide solution	6.1	UN3426	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12	
	Acrylic acid, stabilized	8	UN2218	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	C	25, 40	
	Acrylonitrile, stabilized	3	UN1093	I	3, 6.1	B9, T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40	
	Actuating cartridge, explosive, see Cartridges, power device.													
	Adhesives, containing a flammable liquid.	3	UN1133	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	B		
				II	3	149, B52, IB2, T4, TP1, TP8	150	173	242	5 L	60 L	B		
				III	3	B1, B52, IB3, T2, TP1	150	173	242	60 L	220 L	A		
	Aciponitrile	6.1	UN2205	III	6.1	IB3, T3, TP1	153	203	241	60 L	220 L	A		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
G	Aldehydes, flammable, toxic, n.o.s.	3	UN1988	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40
	.....			II	3, 6.1	IB2, T11, TP2, TP27	150	202	243	1 L	60 L	B	40
	.....			III	3, 6.1	B1, IB3, T7, TP1, TP28	150	203	243	60 L	220 L	A	
G	Aldol	6.1	UN2839	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12
	Alkali metal alcoholates, self-heating, corrosive, n.o.s.	4.2	UN3206	II	4.2, 8	64, A7, IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	B	
	.....			III	4.2, 8	64, A7, IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	B	
	Alkali metal alloys, liquid, n.o.s.	4.3	UN1421	I	4.3	A2, A3, A7, B48, N34	None	201	244	Forbidden	1 L	D	52
	Alkali metal amalgam, liquid	4.3	UN1389	I	4.3	A2, A3, A7, N34	None	201	244	Forbidden	1 L	D	40, 52
	Alkali metal amalgam, solid	4.3	UN3401	I	4.3	IB4, IP1, N40, T9, TP7, TP33	None	211	242	Forbidden	15 kg	D	52
	Alkali metal amides	4.3	UN1390	II	4.3	A6, A7, A8, A19, A20, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	E	40, 52
	Alkali metal dispersions, or Alkaline earth metal dispersions.	4.3	UN1391	I	4.3	A2, A3, A7	None	201	244	Forbidden	1 L	D	52
	Alkaline corrosive liquids, n.o.s., see Caustic alkali liquids, n.o.s.	4.2	UN3205	II	4.2	65, A7, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	B	
G	Alkaline earth metal alcoholates, n.o.s.	4.2	UN3205	III	4.2	65, A7, IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	B	
	Alkaline earth metal alloys, n.o.s.	4.3	UN1393	II	4.3	A19, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	E	52
	Alkaline earth metal amalgams, liquid	4.3	UN1392	I	4.3	A19, N34, N40	None	201	244	Forbidden	1 L	E	40, 52
	Alkaline earth metal amalgams, solid	4.3	UN3402	I	4.3	A19, N34, N40, T9, TP7, TP33	None	211	242	Forbidden	15 kg	D	52
G	Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	6.1	UN3140	I	6.1	A4, T14, TP2, TP27	None	201	243	1 L	30 L	A	
	.....			II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	A	
	.....			III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
G	Alkaloids, solid, n.o.s., or Alkaloid salts, solid, n.o.s.	6.1	UN1544	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
	Alkali sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sulfuric acid.	8	UN2584	III	8	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	.....			III	8	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	.....			III	8	B2, IB2, T8, TP2, TP13	154	202	242	1 L	30 L	B	

Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent free sulfuric acid.	8 UN2586	III 8	IB3, T4, TP1	154	203	241	5 L	60 L	B	.....
Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid, with more than 5 percent free sulfuric acid.	8 UN2583	II 8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	.....
Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with not more than 5 percent free sulfuric acid.	8 UN2585	III 8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	.....
Alkylphenols, liquid, n.o.s. (including C2-C12 homologues).	8 UN3145	I 8	A6, T14, TP2	None	201	243	0.5 L	2.5 L	B	.....
Alkylphenols, solid, n.o.s. (including C2-C12 homologues).	8 UN2430	II 8 III 8 I 8	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	154 154 None	202 203 211	242 241 242	1 L 5 L 1 kg	30 L 60 L 25 kg	B A B	.....
Alkylsulfuric acids	8 UN2571	II 8 III 8 II 8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 B2, IB2, T8, TP2, TP13, TP28	154 154 154	212 213 202	240 240 242	15 kg 25 kg 1 L	50 kg 100 kg 30 L	B A C	..... ..... 14
Allethrin, see Pesticides, liquid, toxic, n.o.s.	3 UN2333	II 3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
Allyl acetate	6.1 UN1098	I 6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Allyl bromide	3 UN1099	I 3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	B	40
Allyl chloride	3 UN1100	I 3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
Allyl chlorocarbonate, see Allyl chloroformate.										
Allyl chloroformate	6.1 UN1722	I 6.1, 3, 8	2, B9, B14, B32, N41, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Allyl ethyl ether	3 UN2335	II 3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
Allyl formate	3 UN2336	I 3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
Allyl glycidyl ether	3 UN2219	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Allyl iodide	3 UN1723	II 3, 8	A3, A6, IB1, N34, T7, TP2, TP13	150	202	243	1 L	5 L	B	40
Allyl isothiocyanate, stabilized	6.1 UN1545	II 6.1, 3	A3, A7, IB2, T7, TP2	None	202	243	Forbidden	60 L	D	40
Allylamine	6.1 UN2334	I 6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Allyltrichlorosilane, stabilized	8 UN1724	II 8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40
Aluminum borohydride or Aluminum borohydride in devices.	4.2 UN2870	I 4.2, 4.3	B11, T21, TP7, TP33	None	181	244	Forbidden	Forbidden	D	.....
Aluminum bromide, anhydrous	8 UN1725	II 8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40
Aluminum bromide, solution	8 UN2580	III 8	IB3, T4, TP1	154	203	241	5 L	60 L	A	.....
Aluminum carbide	4.3 UN1394	II 4.3	A20, IB7, IP2, N41, T3, TP33	151	212	242	15 kg	50 kg	A	52
Aluminum chloride, anhydrous	8 UN1726	II 8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40
Aluminum chloride, solution	8 UN2581	III 8	IB3, T4, TP1	154	203	241	5 L	60 L	A	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only		Loca-tion	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Aluminum dross, wet or hot	Forbidden	UN1395	II	4.3, 6.1	A19, IB5, IP2, T3, TP33	151	212	242	15 kg	50 kg	A	39, 40, 52, 53, 85, 103
	Aluminum ferrosilicon powder	4.3	UN1395	III	4.3, 6.1	A19, A20, IB4	151	213	241	25 kg	100 kg	A	39, 40, 52, 53, 85, 103
D	Aluminum hydride	4.3	UN2463	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	39, 40, 52, 53, 85, 103
	Aluminum, molten	9	NA9280	III	9	IB3, T1, TP3	None	None	247	Forbidden	Forbidden	D	39, 40, 52, 53, 85, 103
	Aluminum nitrate	5.1	UN1438	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	39, 40, 52, 53, 85, 103
	Aluminum phosphate solution, see Corrosive liquids, etc.												
	Aluminum phosphide	4.3	UN1397	I	4.3, 6.1	A8, A19, N40	None	211	242	Forbidden	15 kg	E	40, 52, 85
	Aluminum phosphide pesticides	6.1	UN3048	I	6.1	A8, IB7, IP1, T6, TP33	None	211	242	Forbidden	15 kg	E	40, 85
	Aluminum powder, coated	4.1	UN1309	II	4.1	IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	A	13, 39, 52, 53, 74, 101
	Aluminum powder, uncoated	4.3	UN1396	III	4.1	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	13, 39, 52, 53, 74, 101
	Aluminum resin	4.1	UN2715	III	4.3	A19, A20, IB7, IP2, T3, TP33	151	212	242	15 kg	50 kg	A	39, 52, 53
	Aluminum silicon powder, uncoated	4.3	UN1398	III	4.3	A19, A20, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	39, 52, 53
	Aluminum smelting by-products or Aluminum remelting by-products.	4.3	UN3170	II	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	39, 40, 52, 53, 85, 103
	Anatols, see Explosives, blasting, type B.			III	4.3	128, B115, IB7, IP2, T3, TP33	None	212	242	15 kg	50 kg	B	85, 103
						128, B115, IB8, IP4, T1, TP33	None	213	241	25 kg	100 kg	B	85, 103

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)	
	Ammonia solution, relative density between 0.880 and 0.957 at 15 degrees C in water, with more than 10 percent but not more than 35 percent ammonia.	8	UN2872	III	8	IB3, IP8, T7, TP1	154	203	241	5 L	60 L	A	40, 52, 85	
	Ammonium arsenate	6.1	UN1546	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	53	
	Ammonium azide	Forbidden												
	Ammonium bifluoride, solid, see Ammonium hydrogen difluoride, solid.													
	Ammonium bifluoride solution, see Ammonium hydrogen difluoride solution.													
	Ammonium bromate	Forbidden												
	Ammonium chlorate	Forbidden												
	Ammonium dichromate	5.1	UN1439	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	52	
	Ammonium dinitro-o-cresolate, solid	6.1	UN1843	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	36, 65, 66, 77	
	Ammonium dinitro-o-cresolate solution.	6.1	UN3424	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	36, 66, 78, 91	
	Ammonium fluoride	6.1	UN2505	III	6.1	IB2, T7, TP2	153	203	241	60 L	220 L	A	36, 66, 78, 91	
	Ammonium fluorosulfate	6.1	UN2854	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52	
	Ammonium fulminate	Forbidden				IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52	
	Ammonium hydrogen sulfate	8	UN2506	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40	
	Ammonium hydrogendifluoride, solid	8	UN1727	II	8	IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52	
	Ammonium hydrogendifluoride solution.	8	UN2817	II	8, 6.1	IB2, N34, T8, TP2, TP13	154	202	243	1 L	30 L	B	40	
	Ammonium hydrosulfide solution, see Ammonium sulfide solution.													
	Ammonium hydroxide, see Ammonia solutions, etc.													
D	Ammonium metavanadate	6.1	UN2859	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141	

A W	5.1	UN2067	III	5.1	52, 150, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	48, 59, 60, 66, 117
	9	UN2071	III	9	132, IB8, IP3	155	213	240	200 kg	200 kg	A	48, 59, 60, 66, 124
	5.1	UN3375	II	5.1	147, 163	None	214	214	Forbidden	Forbidden	D	19E
D	1.5D	NA0331	II	1.5D		None	62	None	Forbidden	Forbidden	10	59, 60
	5.1	UN2426		5.1	B5, T7	None	None	243	Forbidden	Forbidden	D	19E
	1.1D	UN0222	II	1.1D		None	62	None	Forbidden	Forbidden	10	
	5.1	UN1942	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	48, 59, 60, 116
	Forbidden	UN0402	II	1.1D	107	None	62	None	Forbidden	Forbidden	10	
	1.1D	UN1442	II	5.1	107, A9, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	E	19E, 58, 69
	Forbidden	UN1444	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	1.1D	UN0004	II	1.1D		None	62	None	Forbidden	Forbidden	10	5E, 19E
	4.1	UN1310	I	4.1	23, A2, N41	None	211	None	0.5 kg	0.5 kg	D	28, 36
	8	UN2818	II	8, 6.1	IB2, T7, TP2, TP13	154	202	243	1 L	30 L	B	12, 40, 52
			III	8, 6.1	IB3, T4, TP1, TP13	154	203	241	5 L	60 L	B	12, 40, 52
	6.1	UN2861	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141
	8	UN2683	II	8, 6.1, 3	IB1, T7, TP2, TP13	154	202	243	1 L	30 L	B	12, 22, 52, 100

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage		
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other		
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	<i>Ammunition, blank, see Cartridges for weapons, blank.</i>														
	<i>Ammunition, illuminating with or without burster, expelling charge or propelling charge.</i>	1.2G	UN0171	II	1.2G ..			62	None	None	Forbidden	Forbidden	03		
	<i>Ammunition, illuminating with or without burster, expelling charge or propelling charge.</i>	1.3G	UN0254	II	1.3G ..			62	None	None	Forbidden	Forbidden	03		
	<i>Ammunition, illuminating with or without burster, expelling charge or propelling charge.</i>	1.4G	UN0297	II	1.4G ..			62	None	None	Forbidden	75 kg	02		
	<i>Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge.</i>	1.3J	UN0247	II	1.3J ...			62	None	None	Forbidden	Forbidden	04	23E	
	<i>Ammunition, incendiary (water-acti-vated contrivances) with burster, expelling charge or propelling charge, see Contivances, water-activated, etc..</i>														
	<i>Ammunition, incendiary, white phos-phorus, with burster, expelling charge or propelling charge.</i>	1.2H	UN0243	II	1.2H ..			62	None	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E	
	<i>Ammunition, incendiary, white phos-phorus, with burster, expelling charge or propelling charge.</i>	1.3H	UN0244	II	1.3H ..			62	None	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E	
	<i>Ammunition, incendiary with or without burster, expelling charge, or propelling charge.</i>	1.2G	UN0009	II	1.2G ..			62	None	None	Forbidden	Forbidden	03		
	<i>Ammunition, incendiary with or without burster, expelling charge, or propelling charge.</i>	1.3G	UN0010	II	1.3G ..			62	None	None	Forbidden	Forbidden	03		
	<i>Ammunition, incendiary with or without burster, expelling charge, or propelling charge.</i>	1.4G	UN0300	II	1.4G ..			62	None	None	Forbidden	75 kg	02		
	<i>Ammunition, practice</i>	1.4G	UN0362	II	1.4G ..			62	None	None	Forbidden	75 kg	02		

Ammunition, practice	1.3G ..	UN0488	II	1.3G ..	62	None	Forbidden	Forbidden	03	.....
Ammunition, proof	1.4G ..	UN0363	II	1.4G ..	62	None	Forbidden	Forbidden	02	.....
Ammunition, rocket, see Warheads, rocket etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ammunition, SA (small arms), see Cartridges for weapons, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ammunition, smoke (water-activated contrivances), white phosphorus, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248).	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ammunition, smoke (water-activated contrivances), without white phosphorus or phosphides, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0249).	1.2H ..	UN0245	II	1.2H ..	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge.	1.3H ..	UN0246	II	1.3H ..	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
Ammunition, smoke with or without burster, expelling charge or propelling charge.	1.2G ..	UN0015	II	1.2G ..	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
Ammunition, smoke with or without burster, expelling charge or propelling charge.	1.3G ..	UN0016	II	1.3G ..	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
Ammunition, smoke with or without burster, expelling charge or propelling charge.	1.4G ..	UN0303	II	1.4G ..	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
Ammunition, sporting, see Cartridges for weapons, etc. (UN 0012; UN 0328; UN 0339).	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-lazed.	6.1	UN2017	II	6.1, 8	212	None	Forbidden	Forbidden	E	13, 40
Ammunition, tear-producing with burster, expelling charge or propelling charge.	1.2G	UN0018	II	1.2G, 8, 6.1,	62	None	Forbidden	Forbidden	08	8E, 17E, 20E
Ammunition, tear-producing with burster, expelling charge or propelling charge.	1.3G	UN0019	II	1.3G, 8, 6.1,	62	None	Forbidden	Forbidden	08	8E, 17E, 20E

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
								(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Ammunition, tear-producing with burster, expelling charge or propelling charge.	1.4G	UN0301	II	1.4G, 8, 6.1.		62	None	Forbidden	Forbidden	Forbidden	75 kg		7E, 8E, 14E, 15E, 17E
	Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed.	6.1	UN2016	II	6.1		212	None	Forbidden	Forbidden	100 kg		E	13, 40
	Ammunition, toxic (water-activated contrivances), with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc.													
G	Ammunition, toxic with burster, expelling charge, or propelling charge.	1.2K	UN0020	II	1.2K, 6.1.		62	None	Forbidden	Forbidden	Forbidden		08	8E, 14E, 15E, 17E
G	Ammunition, toxic with burster, expelling charge, or propelling charge.	1.3K	UN0021	II	1.3K, 6.1.		62	None	Forbidden	Forbidden	Forbidden		08	8E, 14E, 15E, 17E
	Amyl acetates	3	UN1104	III	3	B1, B3, T2, TP1	203	242	60 L	60 L	220 L		A	
	Amyl acid phosphate	8	UN2819	III	8	B3, T4, TP1	203	241	5 L	5 L	60 L		A	
	Amyl butyrates	3	UN2620	III	3	B1, B3, T2, TP1	203	242	60 L	60 L	220 L		A	
	Amyl chlorides	3	UN1107	III	3	B2, T4, TP1	202	242	5 L	5 L	60 L		B	
	Amyl formates	3	UN1109	III	3	B1, B3, T2, TP1	203	242	60 L	60 L	220 L		A	
	Amyl mercaptans	3	UN1111	III	3	A3, A6, B2, T4, TP1	202	242	5 L	5 L	60 L		B	95, 102
	n-Amyl methyl ketone	3	UN1110	III	3	B1, B3, T2, TP1	203	242	60 L	60 L	220 L		A	
	Amyl nitrate	3	UN1112	III	3	B1, B3, T2, TP1	203	242	60 L	60 L	220 L		A	40
	Amyl nitrites	3	UN1113	III	3	B2, T4, TP1	202	242	5 L	5 L	60 L		A	40
	Amylamines	3	UN1113	III	3, 8	B2, T7, TP1	202	243	1 L	1 L	5 L		B	
	Amylchlorosilane	8	UN1728	III	3, 8	B1, B3, T4, TP1	203	242	5 L	5 L	60 L		A	
	Anhydrous ammonia, see Ammonia, anhydrous.			II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	206	242	Forbidden	Forbidden	30 L		C	
	Anhydrous hydrofluoric acid, see Hydrogen fluoride, anhydrous.													

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)	
	Arsenic compounds, solid, n.o.s. in-organic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic com-pounds of arsenic, n.o.s.	6.1	UN1557	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	137	
	Arsenic pentoxide	6.1	UN1559	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	137	
	Arsenic sulfide and a chlorate, mix-tures of	Forbidden		II	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	137	
	Arsenic trichloride	6.1	UN1560	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40	
	Arsenic trioxide	6.1	UN1561	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Arsenic, white, solid, see Arsenic tri-oxide.													
	Arsenical dust	6.1	UN1562	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Arsenical pesticides, liquid, flam-mable, toxic, flash point less than 23 degrees C.	3	UN2760	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40	
	Arsenical pesticides, liquid, toxic			II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40	
	Arsenical pesticides, liquid, toxic	6.1	UN2994	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40	
	Arsenical pesticides, liquid, toxic			II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40	
	Arsenical pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN2993	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40	
	Arsenical pesticides, solid, toxic			II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	1 L	30 L	B	40	
	Arsenical pesticides, solid, toxic	6.1	UN2759	III	6.1, 3	B1, B3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40	
	Arsenous acid, solid, see Arsenic tri-oxide.			II	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40	

Pipeline and Hazardous Materials Safety Admin., DOT

§ 172.101

Articles, explosive, extremely insensitive or Articles, EEI.	2.3	UN2188	2.3	1	None	192	245	Forbidden	Forbidden	Forbidden	D	40
Arsine	2.3, 2.1	UN0486	1.6N		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, explosive, n.o.s.	1.4S	UN0349	1.4S		None	62	None	Forbidden	25 kg	Forbidden	05	
Articles, explosive, n.o.s.	1.4B	UN0350	1.4B		None	62	None	Forbidden	75 kg	Forbidden	06	
Articles, explosive, n.o.s.	1.4C	UN0351	1.4C		None	62	None	Forbidden	75 kg	Forbidden	06	
Articles, explosive, n.o.s.	1.4D	UN0352	1.4D		None	62	None	Forbidden	75 kg	Forbidden	06	
Articles, explosive, n.o.s.	1.4G	UN0353	1.4G		None	62	None	Forbidden	75 kg	Forbidden	06	
Articles, explosive, n.o.s.	1.1L	UN0354	1.1L		None	62	None	Forbidden	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
Articles, explosive, n.o.s.	1.2L	UN0355	1.2L		None	62	None	Forbidden	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
Articles, explosive, n.o.s.	1.3L	UN0356	1.3L		None	62	None	Forbidden	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
Articles, explosive, n.o.s.	1.1C	UN0462	1.1C		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, explosive, n.o.s.	1.1D	UN0463	1.1D		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, explosive, n.o.s.	1.1E	UN0464	1.1E		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, explosive, n.o.s.	1.1F	UN0465	1.1F		None	62	None	Forbidden	Forbidden	Forbidden	08	
Articles, explosive, n.o.s.	1.2C	UN0466	1.2C		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, explosive, n.o.s.	1.2D	UN0467	1.2D		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, explosive, n.o.s.	1.2E	UN0468	1.2E		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, explosive, n.o.s.	1.2F	UN0469	1.2F		None	62	None	Forbidden	Forbidden	Forbidden	08	
Articles, explosive, n.o.s.	1.3C	UN0470	1.3C		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, explosive, n.o.s.	1.4E	UN0471	1.4E		None	62	None	Forbidden	75 kg	Forbidden	06	
Articles, explosive, n.o.s.	1.4F	UN0472	1.4F		None	62	None	Forbidden	75 kg	Forbidden	06	
Articles, pressurized pneumatic or hydraulic containing non-flammable gas.	2.2	UN3164	2.2		306	302, 304	None	No limit	No limit	No limit	A	
Articles, pyrophoric	1.2L	UN0380	1.2L		None	62	None	Forbidden	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
Articles, pyrotechnic for technical purposes.	1.1G	UN0428	1.1G		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, pyrotechnic for technical purposes.	1.2G	UN0429	1.2G		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, pyrotechnic for technical purposes.	1.3G	UN0430	1.3G		None	62	None	Forbidden	Forbidden	Forbidden	07	
Articles, pyrotechnic for technical purposes.	1.4G	UN0431	1.4G		None	62	None	Forbidden	75 kg	Forbidden	06	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)	
	Articles, pyrotechnic for technical purposes.	1.4S	UN0432	II	1.4S		None	62	None	25 kg	100 kg	05		
D	Asbestos	9	NA2212	III	9	156, IB8, IP2, IP4	155	216	240	200 kg	200 kg	A	34, 40	
D	Ascaridole (organic peroxide)	Forbidden					150	203	247	Forbidden	Forbidden	D		
D	Asphalt, at or above its flash point	3	NA1999	III	3	IB3, T1, TP3								
D	Asphalt, cut back, see Tars, liquid, etc.													
	Automobile, motorcycle, tractor, other self-propelled vehicle, engine, or other mechanical apparatus, see Vehicles or Battery etc.													
A G	Aviation regulated liquid, n.o.s.	9	UN3334		9	A35	155	204		No limit	No limit	A		
A G	Aviation regulated solid, n.o.s.	9	UN3335		9	A35	155	204		No limit	No limit	A		
	Azauric acid (salt of) (dry)	Forbidden												
	Azido guanidine picrate (dry)	Forbidden												
	5-Azido-1-hydroxy tetrazole	Forbidden												
	Azido hydroxy tetrazole (mercury and silver salts).	Forbidden												
	3-Azido-1,2-Propylene glycol dimitate	Forbidden												
	Azidothiocarbonic acid	Forbidden												
	Azidoethyl nitrate	Forbidden												
	1-Aziridinylphosphine oxide-(tris), see Tris-(1-aziridinyl) phosphine oxide, solution.													
	Azodicarbonamide	4.1	UN3242	II	4.1	38, IB8, T3, TP33	151	212	240	Forbidden	Forbidden	D	12, 52, 53, 74	
	Azoterazole (dry)	Forbidden												
	Barium	4.3	UN1400	II	4.3	A19, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	E	52	
	Barium alloys, pyrophoric	4.2	UN1854	I	4.2	T21, TP7, TP33	None	181	None	Forbidden	Forbidden	D		
	Barium azide, dry or wetted with less than 50 percent water, by mass.	1.1A	UN0224	II	1.1A, 6.1.	111, 117	None	62	None	Forbidden	Forbidden	12		
	Barium azide, wetted with not less than 50 percent water, by mass.	4.1	UN1571	I	4.1, 6.1.	162, A2	None	182	None	Forbidden	0.5 kg	D	28	
	Barium bromate	5.1	UN2719	II	5.1, 6.1.	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Barium chlorate, solid	5.1	UN1445	II	5.1, 6.1.	A9, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	

Barium chlorate, solution	5.1	UN3405	II	5.1, 6.1	A9, IB2, N34, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133
Barium compounds, n.o.s.	6.1	UN1564	III	5.1, 6.1	A9, IB2, N34, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133
Barium cyanide	6.1	UN1565	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 52
Barium hypochlorite with more than 22 percent available chlorine	5.1	UN2741	I	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	4, 52, 56, 58, 106
Barium nitrate	5.1	UN1446	II	5.1, 6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	56, 58, 133
Barium oxide	6.1	UN1884	III	6.1	A7, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	None	5 kg	25 kg	B	56, 58, 133
Barium perchlorate, solid	5.1	UN1447	III	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	200 kg	A	56, 58, 133
Barium perchlorate, solution	5.1	UN3406	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58, 133
Barium permanganate	5.1	UN1448	III	5.1, 6.1	IB2, T4, TP1	152	202	243	1 L	5 L	A	13, 52, 56, 75
Barium peroxide	5.1	UN1449	II	5.1, 6.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133
Barium selenate, see Selenates or Selenites.					IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
Barium selenite, see Selenates or Selenites.					A9, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58, 138
Batteries, containing sodium	4.3	UN3292	II	4.3		189	189	189	Forbidden	No limit	A	52
Batteries, dry, containing potassium hydroxide solid, electric, storage.	8	UN3028	III	8	237	None	213	None	25 kg gross	230 kg gross	A	146
Batteries, dry, sealed, n.o.s.					130	159	159	159	30 kg gross	No limit	A	52, 146
Batteries, wet, filled with acid, electric storage.	8	UN2794	III	8		159	159	159	30 kg gross	No limit	A	52, 146
Batteries, wet, filled with alkali, electric storage.	8	UN2795	III	8		159	159	159	30 kg gross	No limit	A	52, 146
Batteries, wet, non-spillable, electric storage.	8	UN2800	III	8		159a	159	159	No limit	No limit	A	52, 146
Battery fluid, acid	8	UN2796	II	8	A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	202	242	1 L	30 L	B	29
Battery fluid, alkali	8	UN2797	II	8	B2, IB2, N6, T7, TP2, TP28	154	202	242	1 L	30 L	A	29
Battery, lithium type, see Lithium batteries etc.												
Battery-powered vehicle or Battery-powered equipment.	9	UN3171		9	134	220	220	None	No limit	No limit		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	<i>Battery, wet, filled with acid or alkali with vehicle or mechanical equipment containing an internal combustion engine, see Vehicle, etc. or Engines, internal combustion, etc.</i>												
+	Benzaldehyde	9	UN1990	III	9	IB3, T2, TP1	155	203	241	100 L	220 L	A	
	Benzene	3	UN1114	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	<i>Benzenediazonium chloride (dry)</i>	Forbidden											
	<i>Benzenediazonium nitrate (dry)</i>	Forbidden											
	<i>Benzene phosphorus dichloride, see Phenyl phosphorus dichloride.</i>												
	<i>Benzene phosphorus thiodichloride, see Phenyl phosphorus thiodichloride.</i>												
	Benzene sulfonyl chloride	8	UN2225	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
	<i>Benzenetrisonide</i>	Forbidden											
	<i>Benzenethiol, see Phenyl mercaptan</i>												
	Benzidine	6.1	UN1885	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	<i>Benzol, see Benzene</i>												
	Benzonitrile	6.1	UN2224	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40, 52
	Benzoquinone	6.1	UN2587	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Benzotrifluoride	8	UN2226	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40
	Benzotrifluoride	3	UN2338	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	<i>Benzoxazolones (dry)</i>	Forbidden											
	<i>Benzoyl azide</i>	Forbidden											
	Benzoyl chloride	8	UN1736	II	8	B2, IB2, T8, TP2, TP13	154	202	242	1 L	30 L	C	40
	Benzoyl bromide	6.1	UN1737	II	6.1, 8	A3, A7, IB2, N33, N34, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40,
	Benzyl chloride	6.1	UN1738	II	6.1, 8	A3, A7, B70, IB2, N33, N42, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40,
	Benzyl chloride <i>unstabilized</i>	6.1	UN1738	II	6.1, 8	A3, A7, B8, B11, IB2, N33, N34, N43, T8, TP2, TP13	153	202	243	1 L	30 L	D	13, 40
	Benzyl chloroformate	8	UN1739	I	8	A3, A6, B4, N41, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40
	Benzyl iodide	6.1	UN2653	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	12, 40
	Benzyltrimethylamine	8	UN2619	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	40, 48
	Benzylidene chloride	6.1	UN1886	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	40
	Beryllium compounds, n.o.s.	6.1	UN1566	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
						IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	

Beryllium compounds, n.o.s.	6.1	UN1566	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	.....
Beryllium nitrate	5.1	UN2464	II	5.1, 6.1, 4.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	.....
Beryllium, powder	6.1	UN1567	II	6.1, 4.1	IB8, IP2, IP4, T3, TP33	153	212	242	5 kg	25 kg	A	.....
Bicyclo [2,2,1] hepta-2,5-diene, stabilized or 2,5-Norbornadiene, stabilized.	3	UN2251	II	3	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	A	.....
Biological substance, Category B	6.2	UN3373	.....	.....	IB2, T7, TP2	150	202	242	5 L	60 L	D	.....
Biphenyl triozonide	Forbidden	.....	.....	.....	A82	134	199	None	4 L or 4 kg	4 L or 4 kg	A	40
Bipyridium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2782	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	.....
Bipyridium pesticides, liquid, toxic	6.1	UN3016	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Bipyridium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3015	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Bis (Aminopropyl) piperazine, see Corrosive liquid, n.o.s.	8	UN2837	II	8	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	21, 40
Bisulfate, aqueous solution	8	UN2837	II	8	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	21, 40
Bisulfites, aqueous solutions, n.o.s.	8	UN2693	III	8	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Black powder, compressed or Gunpowder, compressed or Black powder, in pellets or Gunpowder, in pellets.	1.1D	UN0028	III	1.1D	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Black powder or Gunpowder, granular or as a meal.	1.1D	UN0027	II	1.1D	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Black powder for small arms	4.1	NA0027	I	4.1	A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	.....
Blasting agent, n.o.s., see Explosives, blasting etc.	.....	.....	.....	.....	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	.....
Blasting cap assemblies, see Detonator assemblies, non-electric, for blasting.	.....	.....	.....	.....	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52
Blasting caps, electric, see Detonators, electric for blasting.	None	62	62	None	Forbidden	Forbidden	10

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
I	<i>Blasting caps, non-electric, see Detonators, non-electric, for blasting.</i>												
	<i>Bleaching powder, see Calcium hypochlorite mixtures, etc.</i>												
	Blue asbestos (<i>Crocidolite</i>) or Brown asbestos (<i>amosite,rysosrite</i>)	9	UN2212	II	9	156, IB8, IP2, IP4, T3, TP33	155	216	240	Forbidden	Forbidden A		34, 40
	Bombs, photo-flash	1.1F	UN0037	II	1.1F		62		None	Forbidden	Forbidden 08		
	Bombs, photo-flash	1.1D	UN0038	II	1.1D		62		None	Forbidden	Forbidden 03		
	Bombs, photo-flash	1.2G	UN0039	II	1.2G		62		None	Forbidden	Forbidden 03		
	Bombs, photo-flash	1.3G	UN0299	II	1.3G		62		None	Forbidden	Forbidden 03		
	Bombs, smoke, non-explosive, with corrosive liquid, without initiating device.	8	UN2028	II	8		None	160	None	Forbidden	Forbidden 50 kg E		40
	Bombs, with bursting charge	1.1F	UN0033	II	1.1F				None	Forbidden	Forbidden 08		
	Bombs, with bursting charge	1.1D	UN0034	II	1.1D				None	Forbidden	Forbidden 03		
	Bombs, with bursting charge	1.2D	UN0035	II	1.2D				None	Forbidden	Forbidden 03		
	Bombs, with bursting charge	1.2F	UN0291	II	1.2F				None	Forbidden	Forbidden 08		
	Bombs, with flammable liquid, with bursting charge.	1.1J	UN0399	II	1.1J				None	Forbidden	Forbidden 04		23E
	Bombs with flammable liquid, with bursting charge.	1.2J	UN0400	II	1.2J				None	Forbidden	Forbidden 04		23E
	+	Boosters with detonator	1.1B	UN0225	II	1.1B		None	62	None	Forbidden	Forbidden 11	
Boosters with detonator		1.2B	UN0268	II	1.2B		None	62	None	Forbidden	Forbidden 07		
Boosters, without detonator		1.1D	UN0042	II	1.1D		None	62	None	Forbidden	Forbidden 07		
Boosters, without detonator		1.2D	UN0283	II	1.2D		None	62	None	Forbidden	Forbidden 07		
Borate and chlorate mixtures, see Chlorate and borate mixtures.													
Borneol		4.1	UN1312	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	Forbidden	A	
Boron tribromide		8	UN2692	I	8, 6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden C		12
Boron trichloride		2.3	UN1741		2.3, 8		None	304	314	Forbidden	Forbidden D		25, 40
Boron trifluoride		2.3	UN1008		2.3, 8	3, B9, B14, 2, B9, B14	None	302	314, 315	Forbidden	Forbidden D		40
Boron trifluoride acetic acid complex, liquid.		8	UN1742	II	8	B2, B6, IB2, T8, TP2	154	202	242	1 L	30 L A		
Boron trifluoride acetic acid complex, solid.		8	UN3419	II	8	B2, B6, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg A		
Boron trifluoride diethyl etherate		8	UN2604	I	8, 3	A3, A19, T10, TP2	None	201	243	0.5 L	2.5 L D		40
Boron trifluoride dihydrate		8	UN2851	II	8	IB2, T7, TP2	154	212	240	15 kg	50 kg B		12, 40,

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Bromobenzyl cyanides, solid	6.1	UN3449	I	6.1	T6, TP33	None	211	242	5 kg	50 kg	D	12, 40, 52
	1-Bromobutane	3	UN1126	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	2-Bromobutane	3	UN2339	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromochloromethane	6.1	UN1887	III	6.1	IB3, T4, TP1	150	203	241	60 L	220 L	A	
	2-Bromoethyl ethyl ether	3	UN2340	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromoforn	6.1	UN2515	III	6.1	IB3, T4, TP1	150	203	241	60 L	220 L	A	12, 40
	2-Bromomethylpropanes	3	UN2342	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	2-Bromopentane	3	UN2343	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Bromopropanes	3	UN2344	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	3-Bromopropyne	3	UN2345	III	3	IB3, T2, TP1	150	202	242	60 L	220 L	A	
	Bromosilane	Forbidden				IB2, T4, TP1	150	202	242	5 L	60 L	D	40
	<i>Bromotoluene-alpha</i> , see Benzyl bromide.												
	Bromotrifluoroethylene	2.1	UN2419		2.1		None	304	314, 315	Forbidden	150 kg	B	40
	Bromotrifluoromethane or Refrigerant gas, R 13B1.	2.2	UN1009		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Brucine	6.1	UN1570	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
	Busters, explosive	1.1D	UN0043	II	1.1D		None	62	None	Forbidden	Forbidden	07	
	Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized containing more than 40% butadienes.	2.1	UN1010		2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
	Butane see also Petroleum gases, liquefied.	2.1	UN1011		2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
	<i>Butane, butane mixtures and mixtures having similar properties in cartridges each not exceeding 500 grams</i> , see Receptacles, etc.												
	Butanediol	3	UN2346	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	1,2- <i>t</i> -Butanediol trinitrate	Forbidden				IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	Butanols	3	UN1120	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>tert</i> -Butoxycarbonyl azide	Forbidden											
	Butyl acetates	3	UN1123	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Butyl acrylates	3	UN1123	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Butyl acid phosphate	8	UN1718	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Butyl acrylates, stabilized	3	UN2348	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Butyltoluenes	6.1	UN2667	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	.....
	Butyltrichlorosilane	8	UN1747	III	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40
	1,4-Butynediol	6.1	UN2716	III	6.1	A1, IB8, IP3, T1, TP33	None	213	240	100 kg	200 kg	C	52, 53, 70
	Butyraldehyde	3	UN1129	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	Butyraldohime	3	UN2840	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Butyric acid	8	UN2820	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	12
	Butyric anhydride	8	UN2739	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	.....
	Butyronitrile	3	UN2411	III	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	Butyryl chloride	3	UN2353	III	3, 8	IB2, T8, TP2, TP13	150	202	243	1 L	5 L	C	40
	Cacodylic acid	6.1	UN1572	I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	E	52
	Cadmium compounds	6.1	UN2570	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	.....
	Caesium hydroxide	8	UN2682	III	8	IB8, IP2, IP3, T1, TP33	153	212	242	25 kg	100 kg	A	.....
	Caesium hydroxide solution	8	UN2681	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	29, 52
	Calcium	4.3	UN1401	III	4.3	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	29, 52
	Calcium arsenate	6.1	UN1573	II	6.1	IB3, T4, TP1	151	203	241	5 L	60 L	A	29, 52
	Calcium arsenate and calcium arsenite, mixtures, solid	6.1	UN1574	II	6.1	IB7, IP2, T3, TP33	151	212	241	15 kg	50kg	E	52
	Calcium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.	4.3	UN1402	I	4.3	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	.....
	Calcium carbide	4.3	UN1452	II	4.3	A1, A8, B55, B59, IB4, IP1, N34, T9, TP7, TP33	None	211	242	Forbidden	15 kg	B	52
	Calcium chlorate	5.1	UN1452	II	5.1	A1, A8, B55, B59, IB7, IP2, N34, T3, TP33	151	212	241	15 kg	50 kg	B	52
	Calcium chlorate aqueous solution	5.1	UN2429	II	5.1	A9, IB8, IP2, IP4, N34, TP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Calcium chlorite	5.1	UN1453	III	5.1	A2, IB2, N41, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
	Calcium cyanamide with more than 0.1 percent of calcium carbide	4.3	UN1403	III	4.3	A2, IB2, N41, T4, TP1	152	203	241	2.5 L	30 L	B	56, 68, 133
	Calcium cyanide	6.1	UN1575	I	6.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Calcium cyanide	6.1	UN1575	I	6.1	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	52
	Calcium cyanide	6.1	UN1575	I	6.1	IB7, IP1, N79, N80, T6, TP33	None	211	242	5 kg	50 kg	A	40, 52

Calcium dithionite or Calcium hydro-sulfite	4.2	UN1923	II	4.2	A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	E	13
Calcium hydride	4.3	UN1404	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	52
Calcium hydrosulfite, see Calcium dithionite												
Calcium hypochlorite, dry or Calcium hypochlorite mixtures dry with more than 39 percent available oxygen (8.8 percent available oxygen)	5.1	UN1748	II	5.1	165, 166, A7, A9, IB8, IP2, IP4, IP13, N34, W9	152	212	None	5 kg	25 kg	D	4, 25, 48, 52, 56, 58, 69, 142
			III	5.1	165, T71, A7, A9, IB8, IP4, IP13, N34, W9	152	213	240	25 kg	100 kg	D	4, 25, 48, 52, 56, 58, 69, 142
Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated mixtures, with not less than 5.5 percent but not more than 16 percent water	5.1	UN2880	II	5.1	165, IB8, IP2, IP4, IP13, W9	152	212	240	5 kg	25 kg	D	4, 25, 48, 52, 56, 58, 69, 142
Calcium hypochlorite mixtures, dry, with more than 10 percent but not more than 39 percent available chlorine	5.1	UN2208	III	5.1	165, A1, A29, IB8, IP3, IP13, N34, W9	152	213	240	25 kg	100 kg	D	4, 25, 48, 52, 56, 58, 69, 142
Calcium manganese silicon	4.3	UN2844	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	52, 85, 103
Calcium nitrate	5.1	UN1454	III	5.1	34, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Calcium oxide	8	UN1910	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
Calcium perchlorate	5.1	UN1455	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Calcium permanganate	5.1	UN1456	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
Calcium peroxide	5.1	UN1457	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	13, 52, 56, 75, 40, 52
Calcium phosphide	4.3	UN1360	I	4.3, 6.1	A8, A19, N40	None	211	242	Forbidden	15 kg	E	85
Calcium, pyrophoric or Calcium al-loys, pyrophoric	4.2	UN1855	I	4.2		None	187	None	Forbidden	Forbidden	D	
Calcium resinates	4.1	UN1313	III	4.1	A1, A19, IB6, T1, TP33	None	213	240	25 kg	100 kg	A	
Calcium selenate, fused	4.1	UN1314	III	4.1	A1, A19, IB4, T1, TP33	None	213	240	25 kg	100 kg	A	
Calcium selenate, see Selenates or Selenites												
Calcium silicide	4.3	UN1405	II	4.3	A19, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	B	52, 85, 103
			III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	B	52, 85, 103
Camphor oil	3	UN1130	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Camphor, synthetic	4.1	UN2717	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	
Caproic acid												
Caps, blasting, see Detonators, etc	8	UN2829	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
I	Carbamate pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2758	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	.....	.....	.....	.....	.....	.....	150	202	243	1 L	60 L	B	40
	Carbamate pesticides, liquid, toxic	6.1	UN2992	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	.....	.....	.....	.....	.....	.....	153	202	243	5 L	60 L	B	40
	.....	.....	.....	.....	.....	.....	153	203	241	60 L	220 L	A	40
	.....	.....	.....	.....	.....	.....	153	201	243	1 L	30 L	B	40
	.....	.....	.....	.....	.....	.....	153	202	243	5 L	60 L	B	40
	.....	.....	.....	.....	.....	.....	153	203	242	60 L	220 L	A	40
	.....	.....	.....	.....	.....	.....	153	211	242	5 kg	50 kg	A	40
	.....	.....	.....	.....	.....	.....	153	212	242	25 kg	100 kg	A	40
I	Carbolic acid, see Phenol, solid or Phenol, molten.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Carbolic acid solutions, see Phenol solutions.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Carbon, activated	4.2	UN1362	III	4.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	0.5 kg	A	12
	Carbon, animal or vegetable origin	4.2	UN1361	II	4.2	IB6, T3, TP33	None	212	242	Forbidden	Forbidden	A	12
	.....	.....	.....	.....	.....	.....	None	213	241	Forbidden	Forbidden	A	12
	Carbon bisulfide, see Carbon disulfide.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Carbon dioxide	2.2	UN1013	.....	2.2	.....	306	302, 304	302, 314, 315	75 kg	150 kg	A	.....

	Carbon dioxide, refrigerated liquid	2.2	UN2187	.....	2.2	T75, TP5	306	304	314, 315	50 kg	500 kg	B	.....
	A W	Carbon dioxide, solid or Dry Ice	9	UN1845	III	None	B16, T14, TP2, TP7, TP13	217	217	315	200 kg	200 kg	C	40
Carbon disulfide		3	UN1131	I	3, 6.1	.....	None	201	243	Forbidden	Forbidden	D	18, 40, 115
.....		.....	.....	.....	.....	.....	None	302	314	Forbidden	25 kg	D	40
Carbon monoxide, compressed		2.3	UN1016	.....	2.3, 2.1	.....	None	302	315	Forbidden	Forbidden	D	.....
D	Carbon monoxide, refrigerated liquid (cryogenic liquid).	2.3	NA9202	.....	2.3, 2.1	4, T75, TP5	None	316	318	Forbidden	Forbidden	D	.....
	Carbon tetrabromide	6.1	UN2516	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	25

	6.1	UN1846	II	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A	40
Carbon tetrachloride	6.1	UN1846	II	6.1		None	None	None	Forbidden	Forbidden	A	40
Carbonyl chloride see Phosgene				2.3, 8	2	None	302	None	Forbidden	Forbidden	D	40
Carbonyl fluoride	2.3	UN2417		2.3	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
Carbonyl sulfide	2.3	UN2204		2.1								
Cartridge cases, empty primed, see Cases, cartridge, empty, with primer.												
Cartridges, actuating, for aircraft ejector seat catapult, fire extinguisher, canopy removal or apparatus, see Cartridges, power device.												
Cartridges, explosive, see Charges, demolition.												
Cartridges, sporting, see Cartridges for weapons, inert projectile, or Cartridges, small arms.												
Cartridges, flash	1.1G	UN0049	II	1.1G		None	62	None	Forbidden	Forbidden	07	
Cartridges, flash	1.3G	UN0050	II	1.3G		None	62	None	Forbidden	75 kg	07	
Cartridges for weapons, blank	1.1C	UN0326	II	1.1C		None	62	None	Forbidden	Forbidden	07	
Cartridges for weapons, blank	1.2C	UN0413	II	1.2C		None	62	None	Forbidden	Forbidden	07	
Cartridges for weapons, blank or Cartridges, small arms, blank.	1.4S	UN0014	II	None		63	62	None	25 kg	100 kg	05	
Cartridges for weapons, blank or Cartridges, small arms, blank.	1.3C	UN0327	II	1.3C		None	62	None	Forbidden	Forbidden	07	
Cartridges for weapons, blank or Cartridges, small arms, blank.	1.4C	UN0338	II	1.4C		None	62	None	Forbidden	75 kg	06	
Cartridges for weapons, inert projectile.	1.2C	UN0328	II	1.2C		None	62	None	Forbidden	Forbidden	03	
Cartridges for weapons, inert projectile or Cartridges, small arms.	1.4S	UN0012	II	None		63	62	None	25 kg	100 kg	05	
Cartridges for weapons, inert projectile or Cartridges, small arms.	1.4C	UN0339	II	1.4C		None	62	None	Forbidden	75 kg	06	
Cartridges for weapons, inert projectile or Cartridges, small arms.	1.3C	UN0417	II	1.3C		None	62	None	Forbidden	Forbidden	06	
Cartridges for weapons, with bursting charge.	1.1F	UN0005	II	1.1F		None	62	None	Forbidden	Forbidden	08	
Cartridges for weapons, with bursting charge.	1.1E	UN0006	II	1.1E		None	62	None	Forbidden	Forbidden	03	
Cartridges for weapons, with bursting charge.	1.2F	UN0007	II	1.2F		None	62	None	Forbidden	Forbidden	08	
Cartridges for weapons, with bursting charge.	1.2E	UN0321	II	1.2E		None	62	None	Forbidden	Forbidden	03	
Cartridges for weapons, with bursting charge.	1.4F	UN0348	II	1.4F		None	62	None	Forbidden	Forbidden	08	
Cartridges for weapons, with bursting charge.	1.4E	UN0412	II	1.4E		None	62	None	Forbidden	75 kg	02	
Cartridges, oil well	1.3C	UN0277	II	1.3C		None	62	None	Forbidden	Forbidden	07	
Cartridges, oil well	1.4C	UN0278	II	1.4C		None	62	None	Forbidden	75 kg	06	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Cartridges, power device	1.3C	UN0275	II	1.3C			None	62	None	Forbidden	75 kg	07	
	Cartridges, power device	1.4C	UN0276	II	1.4C		110	None	62	None	Forbidden	75 kg	06	
	Cartridges, power device	1.4S	UN0323	II	1.4S		110	63	62	None	25 kg	100 kg	05	
	Cartridges, power device	1.2C	UN0381	II	1.2C			None	62	None	Forbidden	Forbidden	Forbidden	07
	Cartridges, safety, blank, see Cartridges for weapons, blank (UN 0014).													
	Cartridges, safety, see Cartridges for weapons, inert, projectile, or Cartridges, small arms, or Cartridges, power device (UN 0323).													
D	Cartridges, signal	1.3G	UN0054	II	1.3G			None	62	None	Forbidden	75 kg	07	
	Cartridges, signal	1.4G	UN0312	II	1.4G			None	62	None	Forbidden	75 kg	06	
	Cartridges, signal	1.4S	UN0405	II	1.4S			None	62	None	25 kg	100 kg	05	
	Cartridges, small arms	ORM-D			None			63	None	None	30 kg gross	30 kg gross	A	
D	Cartridges, power device (used to project/asterning devices).	ORM-D			None		63	None	None	30 kg gross	30 kg gross	A		
	Cartridges, starter, jet engine, see Cartridges, power device.													
A W	Cases, cartridge, empty with primer	1.4S	UN0055	II	1.4S		50	None	62	None	25 kg	100 kg	05	
	Cases, cartridge, empty with primer	1.4C	UN0379	II	1.4C		50	None	62	None	Forbidden	75 kg	06	
	Cases, combustible, empty, without primer.	1.4C	UN0446	II	1.4C			None	62	None	Forbidden	75 kg	06	
	Cases, combustible, empty, without primer.	1.3C	UN0447	II	1.3C			None	62	None	Forbidden	Forbidden	Forbidden	07
G	Casinghead gasoline see Gasoline													
	Castor beans or Castor meal or Castor pomace or Castor flake.	9	UN2969	II	None	IB8, IP2, IP4, T3, TP33		155	204	240	No limit	No limit	E	34, 40
G	Causeic alkali liquids, n.o.s.	8	UN1719	III	8	B2, IB2, T11, TP2, TP27, IB3, T7, TP1, TP28		154	202	242	1 L	30 L	A	29, 52
	Causeic potash, see Potassium hydroxide etc.							154	203	241	5 L	60 L	A	29, 52
	Causeic soda, (etc.) see Sodium hydroxide etc.													
	Cells, containing sodium	4.3	UN3292	II	4.3			189	189	189	25 kg gross	No limit	No limit	A
Celluloid, in block, rods, rolls, sheets, tubes, etc., except scrap.		4.1	UN2000	III	4.1			None	213	240	Forbidden	100 kg	A	
	Celluloid, scrap	4.2	UN2002	III	4.2	IB8, IP3		None	213	241	Forbidden	Forbidden	D	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi-cation Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Chlorate and magnesium chloride mixture solution.	5.1	UN3407	III	5.1	A9, IB8, IP3, N34, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58	
	Chlorate of potash, see Potassium chlorate.													
	Chlorate of soda, see Sodium chlorate.													
	Chlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3210	II	5.1	IB2, T4, TP1	152	202	242	1 L	5 L	A	56, 58, 133	
	Chlorates, inorganic, n.o.s.			III	5.1	IB2, T4, TP1	152	203	241	2.5 L	30 L	A	56, 58, 133	
	Chlorates, inorganic, n.o.s.	5.1	UN1461	II	5.1	A9, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Chloric acid aqueous solution, with not more than 10 percent chloric acid.	5.1	UN2626	II	5.1	IB2, T4, TP1	None	229	None	Forbidden	Forbidden	D	56, 58	
	Chloride of phosphorus, see Phosphorus trichloride.													
	Chloride of sulfur, see Sulfur chloride													
	Chlorinated lime, see Calcium hypochlorite mixtures, etc.													
	Chlorine	2.3	UN1017		2.3, 5.1, 8.	2, B9, B14, N86, T50, TP19	None	304	314, 315.	Forbidden	Forbidden	D	40, 51, 55, 62, 68, 89, 90	
D	Chlorine azide	Forbidden	NA9191	II	5.1, 6.1.		None	229	None	Forbidden	Forbidden	E		
	Chlorine dioxide, hydrate, frozen	5.1												
	Chlorine dioxide (not hydrate)	Forbidden	UN2548		2.3, 5.1, 8.	1, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90	
	Chlorine pentafluoride	2.3	UN1749		2.3, 5.1, 8.	2, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90	

UN number	Proper shipping name	Class	Division	Subdivision	Label	Quantity	Special provisions	Exemption	Quantity	Label	Special provisions	Exemption	
8 UN1908	Chlorite solution	8			II	8	A3, A6, A7, B2, IB2, N34, T7, TP2, TP24	154	202	242	30 L	B	26, 44, 89, 100, 141
5.1 UN1462	Chlorites, inorganic, n.o.s.	5.1			II	5.1	A7, IB6, IP2, N34, T3, TP33	152	212	242	25 kg	A	26, 44, 89, 100, 141
2.1 UN2517	1-Chloro-1,1-difluoroethane or Refrigerant gas R 142b	2.1					T50	306	304	314, 315	150 kg	B	40
6.1 UN2236	3-Chloro-4-methylphenyl isocyanate, liquid	6.1			II	6.1	IB2	153	202	243	60 L	B	40
6.1 UN3428	3-Chloro-4-methylphenyl isocyanate, solid	6.1			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	B	40
2.2 UN1021	1-Chloro-1,2,2,2-tetrafluoroethane or Refrigerant gas R 124	2.2					T50	306	304	314, 315	150 kg	A	
6.1 UN1579	4-Chloro-o-toluidine hydrochloride, solid	6.1			III	6.1	IB8, IP3, T1, TP33	153	213	240	200 kg	A	
6.1 UN3410	4-Chloro-o-toluidine hydrochloride, solution	6.1			III	6.1	IB3, T4, TP1	153	203	241	220 L	A	
2.2 UN1983	1-Chloro-2,2,2-trifluoroethane or Refrigerant gas R 133a	2.2					T50	306	304	314, 315	150 kg	A	
6.1 UN3250	Chloroacetic acid, molten	6.1			II	6.1, 8	IB1, T7, TP3, TP28	None	202	243	Forbidden	C	40
6.1 UN1751	Chloroacetic acid, solid	6.1			II	6.1, 8	A3, A7, IB8, IP2, IP4, N34, T3, TP33	153	212	242	50 kg	C	40
6.1 UN1750	Chloroacetic acid, solution	6.1			II	6.1, 8	A7, IB2, N34, T7, TP2	153	202	243	30 L	C	40
6.1 UN1695	Chloroacetone, stabilized	6.1			I	6.1, 3, 8	2, B9, B14, B32, N12, N32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	21, 40, 100
Forbidden	Chloroacetone (unstabilized)	Forbidden											
6.1 UN2668	Chloroacetonitrile	6.1			II	6.1, 3	2, B9, B14, B32, IB9, T20, TP2, TP38, TP45	None	227	244	Forbidden	A	12, 40, 52
6.1 UN3416	Chloroacetophenone, liquid, (CM)	6.1			II	6.1	A3, IB2, N12, N32, N33, T7, TP2, TP13	None	202	243	60 L	D	12, 40
6.1 UN1697	Chloroacetophenone, solid, (CM)	6.1			II	6.1	A3, IB8, IP2, IP4, N12, N32, N33, N34, T3, TP2, TP13, TP33	None	212	None	100 kg	D	12, 40
6.1 UN1752	Chloroacetyl chloride	6.1			I	6.1, 8	2, B3, B8, B9, B14, B32, B77, N34, N43, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40
6.1 UN2019	Chloroanilines, liquid	6.1			II	6.1	IB2, T7, TP2	153	202	243	5 L	A	52
6.1 UN2018	Chloroanilines, solid	6.1			III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	A	
6.1 UN2233	Chloroanisidines	6.1			III	6.1	IB8, IP3, T1, TP33	153	213	240	200 kg	A	
3 UN1134	Chlorobenzene	3			III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	
Chlorobenzol, see Chlorobenzene													
3 UN2234	Chlorobenzotrifluorides	3			III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	40
6.1 UN2235	Chlorobenzyl chlorides, liquid	6.1			III	6.1	IB3, T4, TP1	153	203	241	220 L	A	60 L
6.1 UN3427	Chlorobenzyl chlorides, solid	6.1			III	6.1	IB8, IP3, T1, TP33	153	213	240	200 kg	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Chlorobutanes	3	UN1127	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Chlorocresols solution	6.1	UN2669	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12
	Chlorocresols, solid	6.1	UN3437	II	6.1	IB3, T7, TP2	153	203	241	60 L	220 L	A	12
	Chlorodifluoromethane or Refrigerant gas R 12B1.	2.2	UN1974		2.2	IB8, IP2, IP4, T3, TP33, T50	306	304	314, 315, 315.	25 kg	100 kg	A	
	Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approximately 49 percent chlorodifluoromethane.	2.2	UN1973		2.2	T50	306	304	314, 315.	75 kg	150 kg	A	
	Chlorodifluoromethane or Refrigerant gas R 22.	2.2	UN1018		2.2	T50	306	304	314, 315.	75 kg	150 kg	A	
+	Chlorodinitrobenzenes, liquid.	6.1	UN1577	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	91
+	Chlorodinitrobenzenes, solid	6.1	UN3441	I	6.1	IB8, IP2, IP4, T3, TP33, TP2, TP13, TP38, TP45	None	212	242	25 kg	100 kg	A	91
	2-Chloroethanal	6.1	UN2232	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
G	Chloroform	6.1	UN1888	III	6.1	IB3, N86, T7, TP2	153	203	241	60 L	220 L	A	40
	Chloroformates, toxic, corrosive, flammable, n.o.s.	6.1	UN2742	II	6.1, 8, 3	5, IB1, T7, TP2	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
G	Chloroformates, toxic, corrosive, n.o.s.	6.1	UN3277	II	6.1, 8	IB2, T8, TP2, TP13, TP28	153	202	243	1 L	30 L	A	25, 40
	Chloromethyl chloroformate	6.1	UN2745	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
	Chloromethyl ethyl ether	3	UN2354	III	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	Chloronitroamines	6.1	UN2237	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Chloronitrobenzenes, liquid	6.1	UN3409	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Chloronitrobenzenes, solid	6.1	UN1578	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Chloronitroethenes, liquid	6.1	UN2433	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	44, 89, 100, 141
	Chloronitroethenes, solid	6.1	UN3457	III	6.1	IB8, IP3, T1, TP33	153	213	240	25 kg	200 kg	A	
	Chloronitrofluoroethane or Refrigerant gas R 115.	2.2	UN1020		2.2	T50	306	304	314, 315.	75 kg	150 kg	A	
	Chlorophenolates, liquid	8	UN2904	III	8	IB3	154	203	241	5 L	60 L	A	
	Chlorophenolates, solid	8	UN2905	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	

Chlorophenols, liquid	6.1	UN2021	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	.....
Chlorophenols, solid	6.1	UN2020	III	6.1	IB8, IP3, T1, TP1, TP33	153	213	240	100 kg	200 kg	A	.....
Chlorophenyltrichlorosilane	8	UN1753	II	8	A7, B2, B6, N34, T10, TP2, TP7	None	206	242	Forbidden	30 L	C	40
Chloropicrin	6.1	UN1580	I	6.1	2, B7, B9, B14, B32, B46, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Chloropicrin and methyl bromide mixtures.	2.3	UN1581	.....	2.3	2, B9, B14, N86, T50	None	193	314, 315, 245	Forbidden	Forbidden	D	25, 40
Chloropicrin and methyl chloride mixtures.	2.3	UN1582	.....	2.3	2, N86, T50	None	193	245	Forbidden	Forbidden	D	25, 40
<i>Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chloropicrin mixtures, n.o.s.	6.1	UN1583	I	6.1	5	None	201	243	Forbidden	Forbidden	C	40
Chloropivaloyl chloride	6.1	NA9263	III	6.1	IB2	153	202	243	Forbidden	Forbidden	C	40
Chloropropionic acid, solid	8	UN2507	III	8	IB3	153	203	241	Forbidden	Forbidden	C	40
Chloropropene, stabilized	3	UN1991	I	3, 6.1	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
<i>Chloropropene, uninhibited</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1-Chloropropane	3	UN1278	II	3	B57, T14, TP2, TP33	None	201	243	Forbidden	100 kg	A	.....
2-Chloropropane	3	UN2356	I	3	IB2, IP8, N34, T7, TP2	None	202	242	Forbidden	30 L	D	40
3-Chloropropanol-1	6.1	UN2849	III	6.1	N36, T11, TP2, TP13	150	201	243	1 L	30 L	E	.....
2-Chloropropene	3	UN2456	I	3	IB3, T4, TP1	153	203	241	60 L	220 L	A	.....
2-Chloropropionic acid	8	UN2511	III	8	A3, N36, T11, TP2	150	201	243	1 L	30 L	E	.....
2-Chloropyridine	6.1	UN2822	II	6.1	IB3, T4, TP2	154	203	241	5 L	60 L	A	8
Chlorosilanes, corrosive, flammable, n.o.s.	8	UN2986	II	8, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Chlorosilanes, corrosive, n.o.s.	8	UN2987	II	8	T14, TP2, TP7, TP13, TP27	None	206	243	1 L	30 L	C	40
Chlorosilanes, flammable, corrosive, n.o.s.	3	UN2985	II	3, 8	B2, T14, TP2, TP7, TP13, TP27	None	206	242	1 L	30 L	C	40
Chlorosilanes, toxic, corrosive, flammable, n.o.s.	6.1	UN3362	II	6.1, 3, 8	T14, TP2, TP7, TP13, TP27	None	206	243	1 L	5 L	B	40
Chlorosilanes, toxic, corrosive, n.o.s.	6.1	UN3361	II	6.1, 8	T14, TP2, TP7, TP13, TP27	None	206	243	1 L	30 L	C	40, 125
Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.	4.3	UN2988	I	4.3, 3, 8	A2, T14, TP2, TP7, TP13	None	201	244	Forbidden	1 L	D	21, 28, 40, 49, 100
Chlorosulfonic acid (with or without sulfur trioxide).	8	UN1754	I	8, 6.1	2, B9, B10, B14, B32, T20, TP2, TP38, TP45	None	227	244	Forbidden	Forbidden	C	40
Chlorotoluenes	3	UN2238	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Chlorotoluidines, liquid	6.1	UN3429	III	6.1	IB3, T4, TP1	153	203	241	153	220 L	A	.....
Chlorotoluidines, solid	6.1	UN2239	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with ap-proximately 60 percent chlorotrifluoromethane.	2.2	UN2599		2.2		306	304	314, 315	75 kg	150 kg	A	
	Chlorotrifluoromethane or Refrigerant gas R 13.	2.2	UN1022		2.2	B2, IB2, T8, TP2	306	304	314, 315	75 kg	150 kg	A	
	Chromic acid solution	8	UN1755	II	8		154	202	242	1 L	30 L	C	40, 44, 89, 100, 141
	.....			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	40, 44, 89, 100, 141
	<i>Chromic anhydride, see Chromium trioxide, anhydrous.</i>												
	Chromic fluoride, solid	8	UN1756	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
	Chromic fluoride, solution	8	UN1757	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	
	.....			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Chromium nitrate	5.1	UN2720	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Chromium oxychloride	8	UN1758	I	8	A3, A6, A7, B10, N34, T10, TP2	None	201	243	0.5 L	2.5 L	C	40, 66, 74, 89, 90
	Chromium trioxide, anhydrous	5.1	UN1463	II	5.1, 6.1, 8	IB8, IP2, IP4, T3, TP33	None	212	242	5 kg	25 kg	A	66, 90
	Chromosulfuric acid	8	UN2240	I	8	A3, A6, A7, B4, B6, N34, T10, TP2, TP13	None	201	243	0.5L	2.5L	B	40, 66, 74, 89, 90
	<i>Chromyl chloride, see Chromium oxychloride.</i>												
	<i>Cigar and cigarette lighters, charged with fuel, see Lighters or Lighter refills containing flammable gas.</i>												
	Coal briquettes, hot	Forbiddn											
	Coal gas, compressed	2.3	UN1023		2.3, 2.1	3	None	302	314, 315	Forbiddn	Forbiddn	D	40
	Coal tar distillates, flammable	3	UN1136	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi-cation Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
G	Compressed gas, oxidizing, n.o.s. ...	2.2	UN3156	.....	2.2, 5.1, 2.3, 8	A14	306	302	314, 315	75 kg	150 kg	D	.....
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i> .	2.3	UN3304	.....	2.3, 8	1	None	192	314, 315, 305	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i> .	2.3	UN3304	.....	2.3, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i> .	2.3	UN3304	.....	2.3, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i> .	2.3	UN3304	.....	2.3, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i> .	2.3	UN3305	.....	2.3, 2.1, 8	1	None	192	314, 315	Forbidden	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i> .	2.3	UN3305	.....	2.3, 2.1, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i> .	2.3	UN3305	.....	2.3, 2.1, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i> .	2.3	UN3305	.....	2.3, 2.1, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A</i> .	2.3	UN1953	.....	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B</i> .	2.3	UN1953	.....	2.3, 2.1	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C</i> .	2.3	UN1953	.....	2.3, 2.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D</i> .	2.3	UN1953	.....	2.3, 2.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone A</i> .	2.3	UN1955	.....	2.3	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone B</i> .	2.3	UN1955	.....	2.3	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i> .	2.3	UN1955	.....	2.3	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone D</i> .	2.3	UN1955	.....	2.3	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Copper chlorate	5.1	UN2721	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	(10A)	40	
	Copper chloride	8	UN2802	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40	
	Copper cyanide	6.1	UN1587	II	6.1	A1, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Copper selenate, see Selenates or Selenites.													
	Copper selenite, see Selenates or Selenites.													
	Copper tetramine nitrate	Forbidden												
A W	Copra	4.2	UN1363	III	4.2	IB8, IP3, IP7	None	213	241	Forbidden	Forbidden	A	13, 19, 48, 119	
	Cord, detonating, flexible	1.1D	UN0065	II	1.1D	102	63(a)	62	None	Forbidden	Forbidden	07		
	Cord, detonating, flexible	1.4D	UN0289	II	1.4D		None	62	None	Forbidden	75 kg	06		
	Cord, detonating or Fuse detonating metal clad.	1.2D	UN0102	II	1.2D		None	62	None	Forbidden	Forbidden	07		
	Cord, detonating or Fuse, detonating metal clad.	1.1D	UN0290	II	1.1D		None	62	None	Forbidden	Forbidden	07		
	Cord, detonating, mild effect or Fuse, detonating, mild effect metal clad.	1.4D	UN0104	II	1.4D		None	62	None	Forbidden	75 kg	06		
	Cord, igniter	1.4G	UN0066	II	1.4G		None	62	None	Forbidden	75 kg	06		
	Cordeau detonant fuse, see Cord, detonating, etc; Cord, detonating, flexible.													
G	Corflite, see Powder, smokeless													
	Corrosive liquid, acidic, inorganic, n.o.s.	8	UN3264	I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40	
G	Corrosive liquid, acidic, organic, n.o.s.	8	UN3265	III	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40	
				I	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40	
				I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40	
G	Corrosive liquid, basic, inorganic, n.o.s.	8	UN3266	III	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40	
				I	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40	
				I	8	A6, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 52	
				II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 52	

G	Corrosive liquid, self-heating, n.o.s.	UN3001	8	8	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	40, 52
G	Corrosive liquids, flammable, n.o.s.	UN2920	8	8, 4.2	8, 4.2	IB3, T7, TP1, TP28 A6, B10	154	203	241	5 L	60 L	40, 52
G	Corrosive liquids, n.o.s.	UN1760	8	8, 3	8, 3	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	25, 40
G	Corrosive liquids, n.o.s.	UN1760	8	8, 3	8, 3	B2, IB2, T11, TP2, TP27	None	202	243	1 L	30 L	25, 40
G	Corrosive liquids, oxidizing, n.o.s.	UN3093	8	8, 5.1	8, 5.1	A6, A7, B10, T14, TP2, TP27	154	202	242	1 L	30 L	40
G	Corrosive liquids, toxic, n.o.s.	UN2922	8	8, 5.1	8, 5.1	A6, A7, IB2	None	201	243	5 L	60 L	89
G	Corrosive liquids, water-reactive, n.o.s.	UN3094	8	8, 6.1	8, 6.1	A6, A7, B10, T14, TP2, TP13, TP27	None	201	243	Forbiddn	30 L	89
G	Corrosive solid, acidic, inorganic, n.o.s.	UN3260	8	8, 4.3	8, 4.3	IB3, T7, TP1, TP28	154	203	241	1 L	60 L	40
G	Corrosive solid, acidic, organic, n.o.s.	UN3261	8	8	8	A6, A7	None	201	243	Forbiddn	1 L	40
G	Corrosive solid, basic, inorganic, n.o.s.	UN3262	8	8	8	IB7, IP1, T6, TP33	None	211	242	1 L	5 L	52
G	Corrosive solid, basic, organic, n.o.s.	UN3263	8	8	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	52
G	Corrosive solids, flammable, n.o.s.	UN2921	8	8, 4.1	8, 4.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	52
G	Corrosive solids, n.o.s.	UN1769	8	8	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	52
G	Corrosive solids, oxidizing, n.o.s.	UN3084	8	8, 5.1	8, 5.1	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	12, 25
G	Corrosive solids, self-heating, n.o.s.	UN3095	8	8, 4.2	8, 4.2	IB8, IP2, IP4, T3, TP33	None	211	242	1 kg	25 kg	12, 25
G	Corrosive solids, toxic, n.o.s.	UN2923	8	8, 6.1	8, 6.1	IB8, IP3, T1, TP33	154	213	240	1 kg	25 kg	40
G	Corrosive solids, water-reactive, n.o.s.	UN3096	8	8, 4.3	8, 4.3	IB4, IP1, T6, TP33	None	211	243	1 kg	25 kg	40, 95
G	Corrosive solids, n.o.s.			8, 4.3	8, 4.3	IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
D W A W A I W	Cotton Cotton waste, oily Cotton, wet	9 4.2 4.2	NA1365 UN1364 UN1365	..... III III	9 4.2 4.2	137, IB8, IP2, IP4, W41 IB8, IP3, IP7 IB8, IP3, IP7	None None None	None 213 204	None None 241	No limit Forbidden Forbidden	No limit Forbidden Forbidden	A A A	..... 54
	Coumarin derivative pesticides, liq-uid, flammable, toxic, flash point less than 23 degrees C.	3	UN3024	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Coumarin derivative pesticides, liq-uid, toxic.	6.1	UN3026	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Coumarin derivative pesticides, liq-uid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3025	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Coumarin derivative pesticides, solid, toxic.	6.1	UN3027	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Cresols, liquid	6.1	UN2076	III	6.1	B1, IB3, T7, TP1, TP28	153	203	242	60 L	220 L	A	40
	Cresols, solid	6.1	UN3455	II	6.1, 8	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
	Cresylic acid	6.1	UN2022	II	6.1, 8	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Crotonaldehyde or Crotonaldehyde, stabilized.	6.1	UN1143	I	6.1, 3	IB8, IP3, T1, TP33	None	227	244	Forbidden	Forbidden	B	40
	Crotonic acid, liquid	8	UN3472	III	8	IB8, T1	154	203	241	5 L	60 L	A	12.
	Crotonic acid, solid	8	UN2823	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12.
	Crotonylene	3	UN1144	I	3	T11, TP2	150	201	243	1 L	30 L	E	.....
	Cupriethylenediamine solution	8	UN1761	II	8, 6.1	IB2, T7, TP2	154	202	243	1 L	30 L	A	.....
	Cutters, cable, explosive	1.4S	UN0070	III	8, 6.1	IB3, T7, TP1, TP28	154	203	242	5 L	60 L	A	95
	Cyanide or cyanide mixtures, dry, see Cyanides, inorganic, solid, n.o.s.	.....	.....	II	1.4S	.....	None	62	None	25 kg	100 kg	05	.....

Cyanide solutions, n.o.s.	6.1	UN1935	I	6.1	B37, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52
.....	.....	.....	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	A	40, 52
.....	.....	.....	III	6.1	IB3, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	40, 52
Cyanides, inorganic, solid, n.o.s.	6.1	UN1588	I	6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	52
.....	.....	.....	II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52
.....	.....	.....	III	6.1	IB8, IP3, N74, N75, T1, TP33	153	213	240	100 kg	200 kg	A	52
Cyanogen	2.3	UN1026	.....	2.3,	2	None	304	245	Forbidden	Forbidden	D	40
.....	.....	.....	.....	2.1,	.....	.....	.....	.....	.....	.....	.....	.....
Cyanogen bromide	6.1	UN1889	I	6.1, 8	A6, A8, T6, TP33	None	211	242	1 kg	15 kg	D	40
Cyanogen chloride, stabilized	2.3	UN1589	.....	2.3, 8	1	None	192	245	Forbidden	Forbidden	D	40
Cyanuric chloride	8	UN2670	II	8	IB8, IP2, IP4, T3, TP33	None	212	240	15 kg	50 kg	A	12, 40
Cyanuric triazide	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cyclobutane	2.1	UN2601	.....	2.1	.....	306	304	314,	Forbidden	150 kg	B	40
.....	.....	.....	.....	.....	.....	.....	.....	315,	.....	.....	.....	.....
Cyclobutyl chloroformate	6.1	UN2744	II	6.1, 8,	IB1, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
.....	.....	.....	.....	3,	.....	.....	.....	.....	.....	.....	.....	.....
1,5,9-Cyclododecatriene	6.1	UN2518	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
Cycloheptane	3	UN2241	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Cycloheptatriene	3	UN2603	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
Cycloheptene	3	UN2242	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
Cyclohexane	3	UN1145	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	.....
Cyclohexanone	3	UN1915	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Cyclohexene	3	UN2256	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	.....
Cyclohexyltrichlorosilane	8	UN1762	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Cyclohexyl acetate	3	UN2243	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Cyclohexyl isocyanate	6.1	UN2488	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D	40
Cyclohexyl mercaptan	3	UN3054	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40, 95
Cyclohexylamine	8	UN2357	II	8, 3	.....	None	202	243	1 L	30 L	A	40
Cyclohexyltrichlorosilane	8	UN1763	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Cyclonite and cyclooctamethylenetetramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cyclonite and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)	
	Cyclonite and octogen mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized <i>etc.</i>													
	Cyclonite, <i>see</i> Cyclotrimethylenetetranitramine, <i>etc.</i>													
	Cyclooctadiene phosphines, <i>see</i> 9-Phosphabicyclononanes.													
	Cyclooctadienes	3	UN2520	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Cyclooctatetraene	3	UN2358	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Cyclopentane	3	UN1146	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E		
	Cyclopentane, <i>see</i> Methylocyclopentane.													
	Cyclopentanone	3	UN2244	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Cyclopentanone	3	UN2245	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Cyclopentene	3	UN2246	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E		
	Cyclopropane	2.1	UN1027		2.1	T50	306	304	314, 315	Forbidden	150 kg	E	40	
	Cycloletramethylene tetranitramine (dry or unphlegmatized) (HMX).	Forbidden												
	Cycloletramethylene tetranitramine, desensitized or Octogen, desensitized or HMX, desensitized.	1.1D	UN0484	II	1.1D		None	62	None	Forbidden	Forbidden	10		
	Cycloletramethylene tetranitramine, wetted or HMX, wetted or Octogen, wetted with not less than 15 percent water, by mass.	1.1D	UN0226	II	1.1D		None	62	None	Forbidden	Forbidden	10		
	Cycloletramethylene tetranitramine and octogen, mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized, <i>etc.</i>													
	Cycloletramethylene tetranitramine and cycloletramethylene tetranitramine mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized <i>etc.</i>													

Cyclotrimethylenetrinitramine and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.	1.1D	UN0483	II	1.1D	None	62	None	Forbidden	Forbidden	10	
Cyclotrimethylenetrinitramine, desensitized or Cyclotrite, desensitized or Hexogen, desensitized or RDX, desensitized.	1.1D	UN0072	II	1.1D	None	62	None	Forbidden	Forbidden	10	
Cyclotrimethylenetrinitramine, wetted or Cyclonite, wetted or Hexogen, wetted or RDX, wetted with not less than 15 percent water by mass.	3	UN2046	III	3	150	203	242	60 L	220 L	A	
Cymenes	9	UN3363			None	222	None	See A105	See A105	A	
Dangerous Goods in Machinery or Dangerous Goods in Apparatus.	4.1	UN1868	II	4.1, 6.1	None	212	None	Forbidden	50 kg	A	74
Decaborane	3	UN1147	III	3	150	203	242	60 L	220 L	A	
Decahydronaphthalene	3	UN2247	III	3	150	203	242	60 L	220 L	A	
n-Decane	3	UN0132	II	1.3C	None	62	None	Forbidden	Forbidden	10	5E
Delagrating metal salts of aromatic nitroderivatives, n.o.s.	1.3C	UN0132	II	1.3C	None	62	None	Forbidden	Forbidden	10	
Delay electric igniter, see Igniters	3	NA1987	II	3	150	202	242	5 L	60 L	B	
Denatured alcohol	3	UN0361	III	3	150	203	242	60 L	220 L	A	
Depth charges, see Charges, depth											
Desensitized explosive, liquid, n.o.s.	3	UN3379	I	3	None	201	None	Forbidden	Forbidden	D	36
Desensitized explosive, solid, n.o.s.	4.1	UN3380	I	4.1	None	211	None	Forbidden	Forbidden	D	28, 36
Detonating relays, see Detonators, etc.											
Detonator assemblies, non-electric for blasting.	1.1B	UN0360	II	1.1B	None	62	None	Forbidden	Forbidden	11	
Detonator assemblies, non-electric, for blasting.	1.4B	UN0361	II	1.4B	63(f), 63(g)	62	None	Forbidden	75 kg	06	
Detonator, assemblies, non-electric for blasting.	1.4S	UN0500	II	1.4S	63(f), 63(g)	62	None	25 kg	100 kg	05	
Detonators, electric, for blasting	1.1B	UN0030	II	1.1B	63(f), 63(g)	62	None	Forbidden	Forbidden	11	
Detonators, electric, for blasting	1.4B	UN0255	II	1.4B	63(f), 63(g)	62	None	Forbidden	75 kg	06	
Detonators, electric for blasting	1.4S	UN0456	II	1.4S	63(f), 63(g)	62	None	25 kg	100 kg	05	
Detonators for ammunition	1.1B	UN0073	II	1.1B	None	62	None	Forbidden	Forbidden	11	
Detonators for ammunition	1.2B	UN0364	II	1.2B	None	62	None	Forbidden	Forbidden	11	
Detonators for ammunition	1.4B	UN0365	II	1.4B	None	62	None	Forbidden	75 kg	06	
Detonators for ammunition	1.4S	UN0366	II	1.4S	None	62	None	25 kg	100 kg	05	
Detonators, non-electric, for blasting	1.1B	UN0029	II	1.1B	None	62	None	Forbidden	Forbidden	11	
Detonators, non-electric, for blasting	1.4B	UN0267	II	1.4B	63(f), 63(g)	62	None	Forbidden	75 kg	06	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identifi-cation Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Detonators, non-electric, for blasting	1.4S	UN0455	II	1, 4S			62	None	25 kg	100 kg	05	
	Deuterium, compressed	2.1	UN1957		2.1	N89	63(g),	302	None	Forbidden	150 kg	E	40
	Devices, small, hydrocarbon gas powered or Hydrocarbon gas refills for small devices with release de-vice.	2.1	UN3150		2.1		306	304	None	1 kg	15 kg	B	40
	Di-n-amyamine	3	UN2841	III	3, 6.1	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Di-n-butyl peroxydicarbonate, with more than 52 percent in solution.	Forbidden											
	Di-n-butylamine	8	UN2248	II	8, 3	IB2, T7, TP2	None	202	243	1 L	30 L	A	
	2,2-Di-(tert-butylperoxy) butane, with more than 55 percent in solution.	Forbidden											
	Di-(tert-butylperoxy) phthalate, with more than 55 percent in solution.	Forbidden											
	2,2-Di-(4,4-di-tert-butylperoxycyclohexyl) propane, with more than 42 percent with inert solid.	Forbidden											
	Di-2,4-dichlorobenzoyl peroxide, with more than 75 percent with water.	Forbidden											
	1,2-Di-(dimethylamino)ethane	3	UN2372	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Di-2-ethylhexyl phosphoric acid, see Disooxyl acid phosphate.												
	Di-(1-hydroxytetrazole) (dry)	Forbidden											
	Di-(1-naphthoyl) peroxide	Forbidden											
	a,a'-Di-(nitroxy) methylether	Forbidden											
	Di-(beta-nitroxyethyl) ammonium ni-trate.	Forbidden											
	Diacetone alcohol	3	UN1148	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)	
	Dichloroacetic acid	8	UN1764	II	8	A3, A6, A7, B2, IB2, N34, T6, TP2	154	202	242	1 L	30 L	A	.....
	1,3-Dichloroacetone	6.1	UN2649	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 40	
	Dichloroacetyl chloride	8	UN1765	II	8	A3, A6, A7, B2, B6, IB2, N34, T7, TP2	154	202	242	1 L	30 L	D	40	
+	<i>Dichloroacetylene</i>	Forbidden												
	Dichloroanilines, liquid	6.1	UN1590	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40	
	Dichloroanilines, solid	6.1	UN3442	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40	
+	o-Dichlorobenzene	6.1	UN1591	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	.....
	2,2-Dichlorodiethyl ether	6.1	UN1916	II	6.1, 3	IB2, N33, N34, T7, TP2	153	202	243	5 L	60 L	A	.....
	Dichlorodifluoromethane and difluoroethane azeotropic mixture or Refrigerant gas R 500 with ap-proximately 74 percent dichloro-difluoroethane.	2.2	UN2602	.....	2.2	T50	306	304	314, 315	75 kg	150 kg	A	.....
	Dichlorodifluoromethane or Refrig-erant gas R 12.	2.2	UN1028	.....	2.2	T50	306	304	314, 315	75 kg	150 kg	A	.....
	Dichlorodimethyl ether, symmetrical	6.1	UN2249	I	6.1, 3		None	201	243	Forbidden	Forbidden	B	40	
	1,1-Dichloroethane	3	UN2362	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40	
	1,2-Dichloroethane, see Ethylene di-chloride. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Dichloroethyl sulfide</i>	Forbidden												
	1,2-Dichloroethylene	3	UN1150	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	B	.....
	Dichlorofluoromethane or Refrigerant gas R21.	2.2	UN1029	.....	2.2	T50	306	304	314, 315	75 kg	150 kg	A	.....
	Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts.	5.1	UN2465	II	5.1	28, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13	
	Dichloroisopropyl ether	6.1	UN2490	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	.....
	Dichloromethane	6.1	UN1593	III	6.1	IB3, IP8, N36, T7, TP2	153	203	241	60 L	220 L	A	.....
	Dichloropentanes	3	UN1152	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Dichlorophenyl isocyanates	6.1	UN2250	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	25, 40, 48	
	Dichlorophenyltrichlorosilane	8	UN1766	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40	
	1,2-Dichloropropane	3	UN1279	II	3	IB2, N36, T4, TP1	150	202	242	5 L	60 L	B	.....
	1,3-Dichloropropanol-2	6.1	UN2750	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 40	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage		
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other		
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	<i>Difluorochloroethanes, see 1-Chloro-1,1-difluoroethanes.</i>														
	1,1-Difluoroethane or Refrigerant gas R 152a.	2.1	UN1030		2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40		
	1,1-Difluoroethylene or Refrigerant gas R 1132a.	2.1	UN1959		2.1		306	304	None	Forbidden	150 kg	E	40		
	Difluoromethane or Refrigerant gas R 32.	2.1	UN3252		2.1	T50	306	302	314, 315	Forbidden	150 kg	D	40		
	Difluorophosphoric acid, anhydrous	8	UN1768	II	8	A6, A7, B2, IB2, N5, N34, T8, TP2	None	202	242	1 L	30 L	A	40		
	2,3-Dihydroxyran	3	UN2376	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B			
	<i>1,8-Dihydroxy-2,4,5,7-tetrafluoroanthraquinone (chrysanninic acid).</i>	Forbidden													
	<i>Dibacetylene</i>	Forbidden													
	Diisobutyl ketone	3	UN1157	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A			
	Diisobutylamine	3	UN2361	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A			
	Diisobutylene, isomeric compounds	3	UN2050	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B			
	Diisooctyl acid phosphate	8	UN1902	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A			
	Diisopropyl ether	3	UN1159	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40		
	Diisopropylamine	3	UN1156	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B			
	<i>Diisopropylbenzene hydroperoxide, with more than 72 percent in solution.</i>	Forbidden													
	Diketene, stabilized	6.1	UN2521	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	26, 27, 40		
	1,2-Dimethoxyethane	3	UN2252	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B			
	1,1-Dimethoxyethane	3	UN2377	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	B			
	Dimethyl carbonate	3	UN1161	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B			
	<i>Dimethyl chlorophosphate, see Dimethyl thiophosphoryl chloride.</i>	Forbidden													
	<i>2,5-Dimethyl-2,5-dihydroperoxy hexane, with more than 82 percent with water.</i>	Forbidden													
	Dimethyl disulfide	3	UN2381	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40		
	Dimethyl ether	2.1	UN1033		2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40		
	Dimethyl-N-propylamine	3	UN2266	II	3, 8	IB2, T7, TP2, TP13	150	202	243	1 L	5 L	B	40		

Dimethyl sulfate	6.1	UN1595	I	6.1, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Dimethyl sulfide	3	UN1164	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	40
Dimethyl thiophosphoryl chloride	6.1	UN2267	II	6.1, 8	IB2, T7, TP2	153	202	243	1 L	30 L	B	25
Dimethylamine, anhydrous	2.1	UN1032	.....	2.1	NB7, T50	None	304	314, 315	Forbidden	150 kg	D	40
Dimethylamine solution	3	UN1160	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
2-Dimethylaminoacetone	3	UN2378	II	3, 6.1	IB2, T7, TP1	150	202	243	1 L	60 L	A	40, 52
2-Dimethylaminoethanol	8	UN2051	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	.....
2-Dimethylaminoethyl acrylate	6.1	UN3302	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	25
2-Dimethylaminoethyl methacrylate	6.1	UN2522	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	40
N,N-Dimethylaniline	6.1	UN2253	II	6.1	IB1, T7, TP2	153	202	243	5 L	60 L	A	.....
2,3-Dimethylbutane	3	UN2457	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	.....
1, 3-Dimethylbutylamine	3	UN2379	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
Dimethylcarbamoyl chloride	8	UN2262	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40
Dimethylcyclohexanes	3	UN2263	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
N,N-Dimethylcyclohexylamine	3	UN2264	II	3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	40
Dimethylchlorosilane	3	UN1162	II	3, 8	B77, T10, TP2, TP7, TP13	None	206	243	Forbidden	Forbidden	B	40
Dimethylsiloxyethylsilane	3	UN2380	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
Dimethylsiloxanes	3	UN2707	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
N,N-Dimethylformamide	3	UN2265	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Dimethylhexane dithioperoxide (dry)	Forbidden		III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	.....
Dimethylhydrazine, symmetrical	6.1	UN2382	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52, 74
Dimethylhydrazine, unsymmetrical	6.1	UN1163	I	6.1, 3, 8	2, B7, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 38, 40, 52, 100
2,2-Dimethylpropane	2.1	UN2044	.....	2.1	IB8, IP2, IP4, T3, TP33	306	304	314, 315	Forbidden	150 kg	E	40
Dinitro-o-cresol	6.1	UN1598	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	.....
1,3-Dinitro-5,5-dimethyl hydantoin	Forbidden											
Dinitro-7,8-dimethylglycoluril (dry)	Forbidden											
1,3-Dinitro-4,5-dinitrosobenzene	Forbidden											
1,4-Dinitro-1,1,4,4-tetramethylbutanetetrinitrate (dry)	Forbidden											
2,4-Dinitro-1,3,5-trimethylbenzene	Forbidden											
Dinitroanilines	6.1	UN1596	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	91
Dinitrobenzenes, liquid	6.1	UN1597	III	6.1	11, IB2, T7, TP2	153	203	243	5 L	60 L	A	91
Dinitrobenzenes, solid	6.1	UN6443	II	6.1	11, IB3, T7, TP2	153	203	241	60 L	220 L	A	91
Dinitrochlorobenzene, see Chlorodinitrobenzene	Forbidden											
1,2-Dinitroethane	Forbidden											
1,1-Dinitroethane (dry)	Forbidden											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Dinitrogen tetroxide	2.3	UN1067	.....	2.3, 5.1, 8, 1.1D ..	1, B7, B14, B45, B46, B61, B66, B67, B77, T50, TP21	None ..	336 ...	314 ...	Forbidden	Forbidden	(10A)	(10B)	40, 89, 90
	Dinitroglycoluril or Dingu	1.1D	UN0489	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10		.....
	Dinitroethane	Forbidden	UN0076	II	1.1D, 6.1.		None ..	62	None	Forbidden	Forbidden	10		.....
	Dinitrophenol, dry or wetted with less than 15 percent water, by mass.	6.1	UN1599	II	6.1	IB2, T7, TP2	153	202 ...	243 ...	5 L	60 L	A		36
	Dinitrophenol, wetted with not less than 15 percent water, by mass.	4.1	UN1320	III	6.1	IB3, T4, TP1	153	203 ...	241 ...	60 L	220 L	A		36
	Dinitrophenolates, alkali metals, dry or wetted with less than 15 percent water, by mass.	1.3C	UN0077	II	1.3C, 6.1.	23, A8, A19, A20, N41	None ..	211 ...	None	1 kg	15 kg	E		28, 36
	Dinitrophenolates, wetted with not less than 15 percent water, by mass.	4.1	UN1321	I	4.1, 6.1.	23, A8, A19, A20, N41	None ..	211 ...	None	1 kg	15 kg	E		28, 36
	Dinitropropylene glycol	Forbidden	UN0078	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10		.....
	Dinitroresorcinol, dry or wetted with less than 15 percent water, by mass.	1.1D					None ..		None	Forbidden	Forbidden	10		.....
	2,4-Dinitroresorcinol (heavy metal salts of) (dry).	Forbidden					None ..		None	Forbidden	Forbidden	10		.....
	4,6-Dinitroresorcinol (heavy metal salts of) (dry).	Forbidden					None ..		None	Forbidden	Forbidden	10		.....
	Dinitroresorcinol, wetted with not less than 15 percent water, by mass.	4.1	UN1322	I	4.1	23, A8, A19, A20, N41	None ..	211 ...	None	1 kg	15 kg	E		28, 36
	3,5-Dinitrosalicylic acid (lead salt) (dry).	Forbidden					None ..		None	Forbidden	Forbidden	10		.....
	Dinitrosobenzene	1.3C	UN0406	II	1.3C ..		None ..	62	None	Forbidden	Forbidden	10		.....
	Dinitrosobenzylamine and salts of (dry).	Forbidden					None ..		None	Forbidden	Forbidden	10		.....
	2,2-Dinitrostilbene	Forbidden					None ..		None	Forbidden	Forbidden	10		.....
	Dinitrotoluenes, liquid	6.1	UN2038	II	6.1	IB2, T7, TP2	153	202 ...	243 ...	5 L	60 L	A		.....
	Dinitrotoluenes, molten	6.1	UN1600	II	6.1	T7, TP3	None ..	202 ...	243 ...	Forbidden	Forbidden	C		.....
	Dinitrotoluenes, solid	6.1	UN3454	II	6.1	IB8, IP2, IP4, T3, TP33	153	212 ...	242 ...	25 kg	100 kg	A		.....
	1,9-Dinitroxy pentamethylene-2,4,6,8-tetramine (dry).	Forbidden					None ..		None	Forbidden	Forbidden	A		.....

Dioxane	3	UN1165	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Dioxolane	3	UN1166	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Dipentene	3	UN2062	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
Diphenylamine chloroarsine	6.1	UN1698	I	6.1	T6, TP33	None	201	None	Forbidden	Forbidden	D	40
Diphenylchloroarsine, liquid	6.1	UN1699	I	6.1	A8, B14, B32, N33, N34, T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	D	40
Diphenylchloroarsine, solid	6.1	UN3450	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	D	40
Diphenylchlorosilane	8	UN1769	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Diphenylmethyl bromide	8	UN1770	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	D	40
Dipicyl sulfide, dry or wetted with less than 10 percent water, by mass	1.1D	UN0401	II	1.1D	None	None	62	None	Forbidden	Forbidden	10	40
Dipicyl sulfide, wetted with not less than 10 percent water, by mass	4.1	UN2852	I	4.1	162, A2, N41, N84	None	211	None	Forbidden	0.5 kg	D	28
Dipicrylamine, see Hexanitrodiphenylamine												
Dipropionyl peroxide, with more than 28 percent in solution	Forbidden											
Dipropyl ether	3	UN2384	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Dipropyl ketone	3	UN2710	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
Dipropylamine	3	UN2383	III	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40
Disinfectant, liquid, corrosive, n.o.s.	8	UN1903	I	8	A6, A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
Disinfectants, liquid, corrosive n.o.s.	8	UN1903	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	B	40
Disinfectants, liquid, toxic, n.o.s.	6.1	UN3142	I	6.1	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
Disinfectants, solid, toxic, n.o.s.	6.1	UN1601	II	6.1	A4, T14, TP2, TP27	None	201	243	1 L	30 L	A	40
Dispersant gases, n.o.s. see Refrigerant gases, n.o.s.												
Divinyl ether, stabilized	6.1	UN1601	I	6.1	IB2, T11, TP2, TP27	153	203	243	5 L	60 L	A	40
Dodecyltrichlorosilane	8	UN3253	III	8	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
Dry ice, see Carbon dioxide, solid												
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	III	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Dyes, liquid, corrosive, n.o.s. or Dye intermediates, liquid, corrosive, n.o.s.	8	UN2801	I	8	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	8	UN2801	I	8	IB8, IP3, T1, TP33	154	213	240	100 kg	200 kg	A	40
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	8	UN2801	I	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	3	UN1167	I	3	11, A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A	40
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	8	UN1771	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	8	UN2801	I	8	11, A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A	40
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	8	UN2801	II	8	11, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	A	40
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	III	6.1	11, IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	I	6.1	None	None	201	243	1 L	30 L	A	40
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	II	6.1	IB2	153	202	243	5 L	60 L	A	40
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	III	6.1	IB3	153	203	241	60 L	220 L	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)	
G	Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.	8	UN3147	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	A		
G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A		
				III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A		
G	Dynamite, see Explosive, blasting, type A. Electrolyte (acid or alkali) for batteries, see Battery fluid, acid or Battery fluid, alkali. Elevated temperature liquid, flammable, n.o.s., with flash point above 37.8 C, at or above its flash point. Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.). Elevated temperature solid, n.o.s., at or above 240 C, see § 173.247(h)(4). Engines, internal combustion, flammable gas powered. Engines, internal combustion, flammable liquid powered. Environmentally hazardous substance, liquid, n.o.s. Environmentally hazardous substance, solid, n.o.s. Epibromohydrin Epichlorohydrin 1,2-Epoxy-3-ethoxypropane Esters, n.o.s.	3	UN3256	III	3	IB1, T3, TP3, TP29	None	None	247	Forbidden	Forbidden	A		
				III	9	IB1, T3, TP3, TP29	None	None	None	247	Forbidden	Forbidden	A	85
G	Engines, internal combustion, flammable liquid powered. Environmentally hazardous substance, liquid, n.o.s. Environmentally hazardous substance, solid, n.o.s.	9	UN3258	III	9	135	247(h)(4).	None	247	Forbidden	Forbidden	A		
				III	9	135	220	220	220	220	220	No limit	No limit	A
G	Engines, internal combustion, flammable liquid powered. Environmentally hazardous substance, liquid, n.o.s. Environmentally hazardous substance, solid, n.o.s.	9	UN3166	III	9	135	220	220	220	220	220	220	220	220
				III	9	8, 146, 335, IB3, T4, TP1, TP29	155	203	241	241	No limit	No limit	A	
G	Environmentally hazardous substance, liquid, n.o.s. Environmentally hazardous substance, solid, n.o.s.	9	UN3077	III	9	8, 146, 335, B54, IB8, IP3, N20, T1, TP33	155	213	240	No limit	No limit	A		
				III	9	T14, TP2, TP13	None	201	243	243	Forbidden	Forbidden	D	40
+	Epibromohydrin Epichlorohydrin 1,2-Epoxy-3-ethoxypropane Esters, n.o.s.	6.1	UN2558	I	6.1, 3	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	A	40	
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
		3	UN2752	III	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B		
		3	UN3272	III	3		150	202	242	5 L	60 L	B		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Ethyl lactate	3	UN1192	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Ethyl mercaptan	3	UN2363	I	3	A6, T11, TP2, TP13	None	201	243	Forbidden	30 L	E	95, 102	
	Ethyl methacrylate, stabilized	3	UN2277	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Ethyl methyl ether	2.1	UN1039		2.1		None	201	314, 315, 242	Forbidden	150 kg	B	40	
	Ethyl methyl ketone or Methyl ethyl ketone	3	UN1193	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Ethyl nitrite solutions	3	UN1194	I	3, 6.1		None	201	None	Forbidden	Forbidden	E	40, 105	
	Ethyl orthoformate	3	UN2524	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Ethyl oxalate	6.1	UN2525	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Ethyl perchlorate	Forbidden												
D	Ethyl phosphonothioic dichloride, anhydrous	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, B74, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40	
D	Ethyl phosphonous dichloride, anhydrous pyrophoric liquid	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B32, B74, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	18	
D	Ethyl phosphorodichloridate	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, B74, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40	
	Ethyl propionate	3	UN1195	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Ethyl propyl ether	3	UN2615	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E		
	Ethyl silicate, see Tetraethyl silicate													
	Ethylacetylene, stabilized	2.1	UN2452		2.1	N88	None	304	314, 315, 244	Forbidden	150 kg	B	40	
	Ethylamine	2.1	UN1036		2.1	B77, N87, T50	None	321	314, 315, 243	Forbidden	150 kg	D	40	
	Ethylamine, aqueous solution with not less than 50 percent but not more than 70 percent ethylamine	3	UN2270	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52	
	N-Ethylaniline	6.1	UN2272	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74	
	2-Ethylaniline	6.1	UN2273	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74	
	Ethylbenzene	3	UN1175	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	N-Ethylbenzylotolidines liquid	6.1	UN2753	III	6.1	IB3, T7, TP1	153	203	241	60 L	220 L	A		
	2-Ethylbutanol	3	UN2275	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	2-Ethylbutyl acetate	3	UN1177	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	2-Ethylbutylaldehyde	3	UN1178	III	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Ethylchloroarsine	6.1	UN1892	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40	
	Ethylchlorosilane	4.3	UN1183	I	4.3, 8, 3	A2, A3, A7, N34, T14, TP2, TP7, TP13	None	201	244	Forbidden	1 L	D	21, 28, 40, 49, 100	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Ethylene oxide and pentafluoroethane mixture with not more than 7.9 percent ethylene oxide.	2.2	UN3298		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Ethylene oxide and propylene oxide mixtures, with not more than 30 percent ethylene oxide.	3	UN2983	I	3, 6.1	5, A11, N4, N34, T14, TP2, TP7, TP13	None	201	243	Forbidden	30 L	E	40
	Ethylene oxide and tetrafluoroethane mixture with not more than 5.6 percent ethylene oxide.	2.2	UN3299		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Ethylene oxide or Ethylene oxide with nitrogen up to a total pressure of 1MPa (10 bar) at 50 degrees C.	2.3	UN1040		2.3, 2.1	4, A59, T50, TP20	None	323	323	Forbidden	Forbidden	D	40
	Ethyleneimine	2.1	UN1038		2.1	T75, TP5	None	316	318, 319	Forbidden	Forbidden	D	40
	Ethyleneimine, stabilized	8	UN1604	II	8, 3	IB2, T7, TP2	154	202	243	1 L	30 L	A	40, 52
		6.1	UN1185	I	6.1, 3	1, B9, B14, B30, B77, IN25, N32, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	Ethylhexaldehyde, see Octyl aldehydes etc.												
	2-Ethylhexyl chloroformate	6.1	UN2748	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100, 40
	2-Ethylhexylamine	3	UN2276	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
	Ethylphenyldichlorosilane	8	UN2435	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	
	1-Ethylpiperidine	3	UN2386	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
	N-Ethyloluidines	6.1	UN2754	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Ethyltrichlorosilane	3	UN1196	II	3, 8	A7, N34, T10, TP2, TP7, TP13	None	206	243	1 L	5 L	B	40
	Etologic agent, see Infectious substances, etc.												
	Explosive articles, see Articles, explosive, n.o.s. etc.												
	Explosive, blasting, type A	1.1D	UN0081	II	1.1D		None	62	None	Forbidden	Forbidden	10	19E, 21E
	Explosive, blasting, type B	1.1D	UN0082	II	1.1D		None	62	None	Forbidden	Forbidden	10	19E
	Explosive, blasting, type B or Agent blasting, Type B.	1.5D	UN0331	II	1.5D	105, 106	None	62	None	Forbidden	Forbidden	10	19E

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Films, nitrocellulose base, <i>gelatine coated (except scrap)</i> .	4.1	UN1324	III	4.1		None	183	None	25 kg	100 kg	D	28
	Fire extinguisher charges, <i>corrosive liquid</i> .	8	UN1774	II	8	N41	154	202	None	1 L	30 L	A	
	<i>Fire extinguisher charges, expelling explosive, see Cartridges, power device.</i>												
	Fire extinguishers containing com-pressed or liquefied gas.	2.2	UN1044		2.2	18, 110	309	309	None	75 kg	150 kg	A	
	Firefighters, solid with flammable liq-uid.	4.1	UN2623	III	4.1	A1, A19	None	213	None	25 kg	100 kg	A	52
	Fireworks	1.1G	UN0333	II	1.1G	108	None	62	None	Forbidden	Forbidden	07	
	Fireworks	1.2G	UN0334	II	1.2G	108	None	62	None	Forbidden	Forbidden	07	
	Fireworks	1.3G	UN0335	II	1.3G	108	None	62	None	Forbidden	Forbidden	07	
	Fireworks	1.4G	UN0336	II	1.4G	108	None	62	None	75 kg	75 kg	06	
	Fireworks	1.4S	UN0337	II	1.4S	108	None	62	None	100 kg	100 kg	05	
	First aid kits	9	UN3316		9	15	161	161	None	10 kg	10 kg	A	
W	Fish meal, stabilized or Fish scrap, stabilized.	9	UN2216	III	None	155, IB8, IP3, T1, TP33	155	218	218	No limit	No limit	B	88, 122, 128
	Fish meal, unstabilized or Fish scrap, unstabilized.	4.2	UN1374	II	4.2	155, A1, A19, IB8, IP2, IP4, T3, TP33	None	212	241	15 kg	50 kg	B	18, 128
	Flammable compressed gas, see Compressed or Liquefied gas, flammable, etc.												
	Flammable compressed gas (small receptacles not fitted with a disper-sion device, not refillable), see Re-ceptacles, etc.												
	Flammable gas in lighters, see Light-ers or lighter refills, cigarettes, con-taining flammable gas.												
G	Flammable liquid, toxic, corrosive, n.o.s.	3	UN3286	I	3, 6.1, 8	T14, TP2, TP13, TP27	None	201	243	Forbidden	2.5 L	E	21, 40, 100
				II	3, 6.1, 8	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	5 L	B	21, 40, 100
G	Flammable liquids, corrosive, n.o.s.	3	UN2924	I	3, 8	T14, TP2	None	201	243	0.5 L	2.5 L	E	40
				II	3, 8	IB2, T11, TP2, TP27	150	202	243	1 L	5 L	B	40
				III	3, 8	B1, IB3, T7, TP1, TP28	150	203	242	5 L	60 L	A	40
G	Flammable liquids, n.o.s.	3	UN1993	I	3	T11, TP1, TP27	150	201	243	1 L	30 L	E	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi-cation Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	<i>Fluoric acid, see Hydrofluoric acid, etc.</i>	2.3	UN1045		2.3, 5.1, 8.	1, N86	None	302	None	Forbidden	Forbidden	D	40, 89, 90
	Fluorine, compressed	2.3	UN1045		2.3, 5.1, 8.	1, N86	None	302	None	Forbidden	Forbidden	D	40, 89, 90
	Fluoroacetic acid	6.1	UN2642	I	6.1	IB7, IP1, T6, TP33	None	211	242	1 kg	15 kg	E	
	Fluoroanilines	6.1	UN2941	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Fluorobenzene	3	UN2387	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Fluoroboric acid	8	UN1775	II	8	A6, A7, B2, B15, IB2, N3, N34, T7, TP2	154	202	242	1 L	30 L	A	
	Fluorophosphoric acid anhydrous	8	UN1776	II	8	A6, A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	
	Fluorosilicates, n.o.s.	6.1	UN2856	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Fluorosilicic acid	8	UN1778	II	8	A6, A7, B2, B15, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	
	Fluorosulfonic acid	8	UN1777	I	8	A3, A6, A7, A10, B6, B10, N3, N36, T10, TP2	None	201	243	0.5 L	2.5 L	D	40
	Fluorotoluenes	3	UN2388	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Forbidden materials. See § 173.21	Forbidden											
	Formaldehyde, solutions, flammable	3	UN1198	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
	Formaldehyde, solutions, with not less than 25 percent formaldehyde.	8	UN2209	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Formalin, see Formaldehyde, solutions.												
	Formic acid with not less than 10% but not more than 85% acid by mass.	8	UN3412	II	8	IB2, T7, TP2	154	202	242	1 L	30 L	A	40.
	Formic acid with not less than 5% but less than 10% acid by mass.	8	UN3412	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
	Formic acid with more than 85% acid by mass.	8	UN1779	II	8, 3	B2, B28, IB2, T7, TP2	154	202	242	1 L	30 L	A	40.
	Fracturing devices, explosive, without detonators for oil wells.	1.1D	UN0099	II	1.1D		None	62	None	Forbidden	Forbidden	07	
	Fuel, aviation, turbine engine	3	UN1863	I	3	144, T11, TP1, TP8, TP28	150	201	243	1 L	30 L	E	
				II	3	144, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
				III	3	144, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing corrosive substances.	8	UN3477	.....	8	.....	.....	230	.....	230	.....	5 kg	50 kg	A	.....
Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing flammable liquids.	3	UN3473	.....	3	.....	.....	230	.....	230	.....	5 kg	50 kg	A	.....
Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing hydrogen in metal hydride.	2.1	UN3479	.....	2.1	.....	.....	230	.....	230	.....	1 kg	15 kg	B	.....
Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing liquefied flammable gas.	2.1	UN3478	.....	2.1	.....	.....	230	.....	230	.....	1 kg	15 kg	B	.....
Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing water-reactive substances.	4.3	UN3476	.....	4.3	.....	.....	230	.....	230	.....	5 kg	50 kg	A	.....
Fuel oil (No. 1, 2, 4, 5, or 6)	3	NA1993	.....	III	3	.....	150	.....	203	.....	60 L	220 L	A	.....
Fuel system components (including fuel control units (FCU), carburetors, fuel lines, fuel pumps) see Dangerous Goods in Apparatus or Dangerous Goods in Machinery.	Forbidden		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fulminate of mercury (dry)	Forbidden		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fulminate of mercury, wet, see Mercury fulminate, etc.	Forbidden		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fulminating gold	Forbidden		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fulminating mercury	Forbidden		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fulminating platinum	Forbidden		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fulminating silver	Forbidden		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fulminic acid	Forbidden		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fumaryl chloride	8	UN1780	.....	II	8	.....	154	.....	202	.....	1 L	30 L	C	8, 40
Fumigated lading, see § 172.302(g), 173.9 and 176.76(h).	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fumigated transport vehicle or freight container see § 173.9.	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Furandehydes	6.1	UN1199	.....	II	6.1, 3	.....	153	.....	202	.....	5 L	60 L	A	.....
Furan	3	UN2389	.....	I	3	.....	None	.....	201	.....	1 L	30 L	E	40
Furfuryl alcohol	6.1	UN2874	.....	III	6.1	.....	153	.....	203	.....	60 L	220 L	A	52, 74
Furfurylamine	3	UN2526	.....	III	3, 8	.....	150	.....	203	.....	5 L	60 L	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Fuse, detonating, <i>metal clad</i> , see Cord, detonating, <i>metal clad</i> .												
	Fuse, detonating, mild effect, <i>metal clad</i> , see Cord, detonating, mild effect, <i>metal clad</i> .												
	Fuse, igniter tubular <i>metal clad</i>	1.4G	UN0103	II	1.4G			62	None	Forbidden	75 kg	06	
	Fuse, non-detonating <i>instantaneous</i> or <i>quickmatch</i> .	1.3G	UN0101	II	1.3G			62	None	Forbidden	Forbidden	07	
	Fuse, safety	1.4S	UN0105	II	1.4S			62	None	25 kg	100 kg	05	
	Fusee (railway or highway)	4.1	NA1325	II	4.1			184	None	15 kg	50 kg	B	
	Fusel oil	3	UN1201	III	3	IB2, T4, TP1		202	242	5 L	60 L	B	
	Fuses, tracer, see Tracers for ammunition.			III	3	B1, IB3, T2, TP1		203	242	60 L	220 L	A	
	Fuses, combination, <i>percussion and time</i> , see Fuzes, detonating (UN0257, UN0367); Fuzes, igniting (UN0317, UN0368).												
	Fuzes, detonating	1.1B	UN0106	II	1.1B			62	None	Forbidden	Forbidden	11	
	Fuzes, detonating	1.2B	UN0107	II	1.2B			62	None	Forbidden	Forbidden	11	
	Fuzes, detonating	1.4B	UN0257	II	1.4B	116		62	None	Forbidden	75 kg	06	
	Fuzes, detonating	1.4S	UN0367	II	1.4S	116		62	None	25 kg	100 kg	05	
	Fuzes, detonating, with <i>protective features</i> .	1.1D	UN0408	II	1.1D			62	None	Forbidden	Forbidden	07	
	Fuzes, detonating, with <i>protective features</i> .	1.2D	UN0409	II	1.2D			62	None	Forbidden	Forbidden	07	
	Fuzes, detonating, with <i>protective features</i> .	1.4D	UN0410	II	1.4D	116		62	None	Forbidden	75 kg	06	
	Fuzes, igniting	1.3G	UN0316	II	1.3G			62	None	Forbidden	Forbidden	07	
	Fuzes, igniting	1.4G	UN0317	II	1.4G			62	None	Forbidden	75 kg	06	
	Fuzes, igniting	1.4S	UN0368	II	1.4S			62	None	25 kg	100 kg	05	
	Galactean trinitrate	Forbidden											
	Gallium	8	UN2803	III	8	T1, TP33		162	240	20 kg	20 kg	B	48
	Gas cartridges, (flammable) without a release device, non-refillable.	2.1	UN2037	.....	2.1			304	None	1 kg	15 kg	B	40
D	Gas identification set	2.3	NA9035	.....	2.3	6		194	None	Forbidden	Forbidden	D	
	Gas oil	3	UN1202	III	3	144, B1, IB3, T2, TP1		203	242	60 L	220 L	A	
G	Gas, refrigerated liquid, flammable, n.o.s. (cryogenic liquid).	2.1	UN3312	.....	2.1	T75, TP5		316	None	Forbidden	Forbidden	D	40

G	Gas, refrigerated liquid, n.o.s. (cryogenic liquid)	2.2	UN3158	.....	2.2	.....	T75, TP5	320	316	318	500 kg	D	.....
G	Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid)	2.2	UN3311	.....	2.2, 5.1, 2.1	.....	T75, TP5, TP22	320	316	318	Forbidden	D	.....
	Gas sample, non-pressurized, flammable, n.o.s., not refrigerated liquid	2.1	UN3167	.....	2.1	.....		306	302, 304	None	1 L	D	.....
	Gas sample, non-pressurized, toxic, flammable, n.o.s., not refrigerated liquid	2.3	UN3168	.....	2.3, 2.1	.....	6	306	302	None	Forbidden	1 L	D
	Gas sample, non-pressurized, toxic, n.o.s., not refrigerated liquid	2.3	UN3169	.....	2.3	.....	6	306	302, 304	None	Forbidden	1 L	D
	Gasohol gasoline mixed with ethyl alcohol, with not more than 10% alcohol	3	NA1203	II	3	.....	144, 177	150	202	242	5 L	E	.....
	Gasoline includes gasoline mixed with ethyl alcohol, with not more than 10% alcohol	3	UN1203	II	3	.....	144, 177, B1, B33, IB2, T8	150	202	242	5 L	E	.....
	Gasoline, casinghead, see Gasoline												
	Gelatine, blasting, see Explosive, blasting, type A												
	Gelatine dynamites, see Explosive, blasting, type A												
	Germane	2.3	UN2192	.....	2.3, 2.1	.....	2	None	302	245	Forbidden	D	40
	Glycerol-1,3-dinitrate	Forbidden											
	Glycerol gluconate trinitrate	Forbidden											
	Glycerol lactate trinitrate	Forbidden											
	Glycerol alpha-monochlorohydrin	6.1	UN2689	III	6.1	.....	IB3, T4, TP1	153	203	241	60 L	A	.....
	Glyceryl trinitrate, see Nitroglycerin, etc.												
	Glycidaldehyde	3	UN2622	II	3, 6.1	.....	IB2, IP8, T7, TP1	150	202	243	1 L	A	40
	Grenades, hand or rifle, with bursting charge	1.1D	UN0284	II	1.1D	.....			62	None	Forbidden	07	.....
	Grenades, hand or rifle, with bursting charge	1.2D	UN0285	II	1.2D	.....			62	None	Forbidden	07	.....
	Grenades, hand or rifle, with bursting charge	1.1F	UN0292	II	1.1F	.....			62	None	Forbidden	08	.....
	Grenades, hand or rifle, with bursting charge	1.2F	UN0293	II	1.2F	.....			62	None	Forbidden	08	.....
	Grenades, illuminating, see Ammunition, illuminating, etc.												
	Grenades, practice, hand or rifle	1.4S	UN0110	II	1.4S	.....			62	None	100 kg	05	.....
	Grenades, practice, hand or rifle	1.3G	UN0318	II	1.3G	.....			62	None	Forbidden	07	.....
	Grenades, practice, hand or rifle	1.2G	UN0372	II	1.2G	.....			62	None	Forbidden	07	.....
	Grenades practice Hand or rifle	1.4G	UN0452	II	1.4G	.....			62	None	Forbidden	75 kg	06
	Grenades, smoke, see Ammunition, smoke, etc.												
	Guandine nitrate	5.1	UN1467	III	5.1	.....	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	A	73

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Guanyl nitrosaminoguanilydene hy-drazine (dry).	Forbidden											
	Guanyl nitrosaminoguanilydene hy-drazine, wetted with not less than 30 percent water, by mass.	1.1A	UN0113	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	12	
	Guanyl nitrosaminoguanilytetrazone (dry).	Forbidden											
	Guanyl nitrosaminoguanilytetrazone, wetted or Tetrazene, wetted with not less than 30 percent water or mixture of alcohol and water, by mass.	1.1A	UN0114	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	12	
	Gunpowder, compressed or Gun-powder in pellets, see Black pow-der (UN 0029).												
	Gunpowder, granular or as a meal, see Black powder (UN 0027).												
	Hafnium powder, dry	4.2	UN2545	I	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	211	242	Forbidden	Forbidden	D	
				II	4.2		None	212	241	Forbidden	50 kg	D	
				III	4.2	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	D	
				II	4.1	A6, A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	E	74
	Hafnium powder, wetted with not less than 25 percent water (a visible excess or water must be present)												
	(a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns.												
	Hand signal device, see Signal de-vices, hand.												
	Hazardous substances, liquid or solid, n.o.s., see Environmentally hazardous substances, etc.												
D G	Hazardous waste, liquid, n.o.s.	9	NA3082	III	9	IB3, T2, TP1	155	203	241	No limit	No limit	A	
D G	Hazardous waste, solid, n.o.s.	9	NA3077	III	9	B54, IB8, IP2, T1, TP33	155	213	240	No limit	No limit	A	
	Heating oil, light	3	UN1202	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Helium, compressed	2.2	UN1046	2.2	306, 307, 314.	302	302, 314.	75 kg	150 kg	A			
	Helium, refrigerated liquid (cryogenic liquid).	2.2	UN1963		2.2	T75, TP5	320	316	318	50 kg	500 kg	B	

Proper shipping name	UN number	Class	Division	Subdivision	Special provisions	Proper shipping name	UN number	Class	Division	Subdivision	Special provisions	Proper shipping name	UN number	Class	Division	Subdivision	Special provisions	Proper shipping name	UN number	Class	Division	Subdivision	Special provisions	
Heptafluoropropane or Refrigerant gas R 227	2.2 UN3296	III	2.2	T50	306	304	314, 315	75 kg	150 kg	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
n-Heptaldehyde	3 UN3056	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Heptanes	3 UN1206	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
n-Heptene	3 UN2278	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexachloroacetone	6.1 UN2661	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexachlorobenzene	6.1 UN2729	III	6.1	B3, IB8, IP3, T1, TP33	153	203	241	60 L	220 L	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexachlorobutadiene	6.1 UN2279	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexachlorocyclopentadiene	6.1 UN2646	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexachlorophene	6.1 UN2875	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexadecyltrichlorosilane	8 UN1781	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexadienes	3 UN2458	II	3	IB2, T4, TP1	None	202	242	5 L	60 L	B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexaethyl tetraphosphate and compressed gas mixtures	2.3 UN1612	.....	2.3	3	None	334	None	Forbidden	Forbidden	D	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexaethyl tetraphosphate, liquid	6.1 UN1611	II	6.1	IB2, N76, T7, TP2	153	202	243	5 L	60 L	E	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexaethyl tetraphosphate, solid	6.1 UN1611	II	6.1	IB8, IP2, IP4, N76	153	212	242	25 kg	100 kg	E	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexafluoroacetone	2.3 UN2420	.....	2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexafluoroacetone hydrate, liquid	6.1 UN2582	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexafluoroacetone hydrate, solid	6.1 UN3436	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexafluoroethane, or Refrigerant gas R 116	2.2 UN2193	.....	2.2	306	306	304	314, 315	75 kg	150 kg	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexafluorophosphoric acid	8 UN1782	II	8	A6, A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexafluoropropylene compressed or Refrigerant gas R 1216	2.2 UN1858	.....	2.2	T50	306	304	314, 315	75 kg	150 kg	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexaldehyde	3 UN1207	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexamethylene diisocyanate	6.1 UN2281	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	C	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexamethylene triperoxide diamine (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexamethylenediamine, solid	8 UN2280	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexamethylenediamine solution	8 UN1783	III	8	IB2, T7, TP2	None	202	242	1 L	30 L	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexamethylenimine	3 UN2493	III	3, 8	IB3, T4, TP1	154	203	241	5 L	60 L	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexamethylenetetramine	4.1 UN1328	III	4.1	IB2, T7, TP1	150	202	243	1 L	5 L	B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexamethylol benzene hexantrate	Forbidden	.....	.....	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexanes	3 UN1208	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2,2,4,4,6,6-Hexanitro-3,3-dihydroxyazobenzene (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexanitroazoxy benzene	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N,N'-(hexanitrodiphenyl) ethylene dinitramine (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexanitrodiphenyl urea	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2,2',3',4',4',6'-Hexanitrodiphenylamine	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hexanitrodiphenylamine or Dipicrylamine or Hexyl, 2,3',4',4',6,6'-Hexanitrodiphenylether	1.1D UN0079	II	1.1D	.....	None	62	None	Forbidden	Forbidden	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi-cation Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Hexanitroethane	Forbidden											
	Hexanitrooxanilide	Forbidden											
	Hexanitrosilbene	1.1D	UN0392	II	1.1D		None	62	None	Forbidden	Forbidden	10	
	Hexanoic acid, <i>see</i> Corrosive liquids, n.o.s.												
	Hexanols	3	UN2282	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	74
	1-Hexene	3	UN2370	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	Hexogen and HMX mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized etc.												
	Hexogen and HMX mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized etc.												
	Hexogen and octogen mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized etc.												
	Hexogen, <i>see</i> Cyclotrimethylenetrinitramine, etc.												
	Hexolite, or Hexotal dry or wetted with less than 15 percent water, by mass.	1.1D	UN0118	II	1.1D		None	62	None	Forbidden	Forbidden	10	
	Hexotal	1.1D	UN0393	II	1.1D		None	62	None	Forbidden	Forbidden	10	
	Hexyl, <i>see</i> Hexanitrodiphenylamine												
	Hexyltrichlorosilane	8	UN1784	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	Forbidden	C	40
	High explosives, <i>see individual explosives entries.</i>												
	HMX, <i>see</i> Cyclotetramethylene trinitramine, etc.												
	Hydrazine, anhydrous	8	UN2029	I	8, 3, 6.1	A3, A6, A7, A10, B7, B16, B53	None	201	243	Forbidden	2.5 L	D	40, 52, 125.
	Hydrazine, aqueous solution, with not more than 37 percent hydrazine, by mass.	6.1	UN3293	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52.

Hydrazine aqueous solution, with more than 37% hydrazine, by mass.	8	UN2030	I	8, 6.1	B16, B53, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 52
Hydrazine azide	Forbidden		II	8, 6.1	B16, B53, IB2, T7, TP2, TP13	None	202	243	Forbidden	30 L	D	40, 52
Hydrazine chlorate	Forbidden		III	8, 6.1	B16, B53, IB3, T4, TP1	154	203	241	5 L	60 L	D	40, 52
Hydrazine dicarbonic acid diazide	Forbidden											
Hydrazine perchlorate	Forbidden											
Hydrazine selenate	Forbidden											
Hydroiodic acid, anhydrous, see Hydrogen iodide, anhydrous.												
Hydroiodic acid												
Hydrobromic acid, anhydrous, see Hydrogen bromide, anhydrous.												
Hydrobromic acid, with more than 49 percent hydrobromic acid.	8	UN1788	II	8	A3, A6, B2, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	
Hydrobromic acid, with not more than 49 percent hydrobromic acid.			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	8
Hydrobromic acid, with not more than 49 percent hydrobromic acid.			III	8	B2, B15, IB2, N41, T7, TP2	154	202	242	Forbidden	Forbidden	C	
Hydrocarbon gas mixture, compressed, n.o.s.	2.1	UN1964	II	8	A3, A6, B2, B15, IB2, N41, T7, TP2	154	202	241	Forbidden	Forbidden	C	8
Hydrocarbon gas mixture, liquefied, n.o.s.	2.1	UN1965	III	8	A3, IB3, T4, TP1	306	302	314, 315	5 L	60 L	C	8
Hydrocarbons, liquid, n.o.s.	3	UN3295		2.1	T50	306	304	314, 315	Forbidden	150 kg	E	40
			I	3	144, T11, TP1, TP8, TP28	150	201	243	1 L	30 L	E	
			II	3	144, IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
			III	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous.												
Hydrochloric acid	8	UN1789	II	8	A3, A6, B3, B15, IB2, N41, T8, TP2	154	202	242	1 L	30 L	C	
			III	8	A3, IB3, T4, TP1	154	203	241	5 L	60 L	C	8
Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc.												
Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide.	6.1	UN1613	I	6.1	2, B61, B65, B77, B82, T20, TP2, TP13	None	195	244	Forbidden	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
D	Hydrocyanic acid, aqueous solutions with less than 5 percent hydrogen cyanide. Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc. Hydrocyanic acid (prussic), unstabilized.	6.1 Forbidden	NA1613	II	6.1	IB1, T14, TP2, TP13, TP27	None	195	243	Forbidden	5 L	D	40
	Hydrofluoric acid and Sulfuric acid mixtures. Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhydrous. Hydrofluoric acid, with more than 60 percent strength.	8	UN1786	I	8, 6.1	A6, A7, B15, B23, N5, N34, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40
	Hydrofluoric acid, with not more than 60 percent strength. Hydrofluoroboric acid, see Fluoroboric acid. Hydrofluorosilicic acid, see Fluorosilicic acid. Hydrogen and Methane mixtures, compressed.	8 2.1	UN1790 UN2034	I	8, 6.1 2.1	A6, A7, B4, B15, B23, N5, N34, T10, TP2, TP13 A6, A7, B15, IB2, N5, N34, T8, TP2	None 154	201 202	243 243	0.5 L 1 L	2.5 L 30 L	D D	12, 40 12, 40
	Hydrogen bromide, anhydrous	2.3	UN1048	.....	2.3, 8	3, B14, N86, N89	306	302	302, 314, 315	Forbidden	150 kg	E	40, 57
	Hydrogen chloride, anhydrous	2.3	UN1050	.....	2.3, 8	3, N86, N89	None	304	304	Forbidden	Forbidden	D	40
	Hydrogen chloride, refrigerated liquid	2.3	UN2186	.....	2.3, 8	3, B6	None	None	314, 315	Forbidden	Forbidden	D	40
	Hydrogen, compressed	2.1	UN1049	.....	2.1	N89	306	302	302	Forbidden	150 kg	E	40, 57
	Hydrogen cyanide, solution in alcohol with not more than 45 percent hydrogen cyanide.	6.1	UN3294	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Hydrogen cyanide, stabilized with less than 3 percent water.	6.1	UN1051	I	6.1, 3	1, B35, B61, B65, B77, B82	None	195	244	Forbidden	Forbidden	D	40
	Hydrogen cyanide, stabilized, with less than 3 percent water and absorbed in a porous inert material.	6.1	UN1614	I	6.1	5	None	195	None	Forbidden	Forbidden	D	25, 40
	Hydrogen fluoride, anhydrous	8	UN1052	I	8, 6.1	3, B7, B46, B77, N86, T10, TP2	None	163	244	Forbidden	Forbidden	D	40

UN number	Proper shipping name	Class	Division	Subdivision	167	None ...	214 ...	None	Forbidden	100 kg gross	D	25, 40, 52, 25, 40, 25, 40, 25, 40, 25, 66, 75, 25, 66, 75, 25, 66, 75, 40, 40, 40, 40, 40
2.1 UN3468	Hydrogen in a metal hydride storage system or Hydrogen in a metal hydride storage system contained in equipment or Hydrogen in a metal hydride storage system packed with equipment.	2.1	8	2.1	None	304	314, 315	Forbidden.	Forbidden	D	40	
2.3 UN2197	Hydrogen iodide, anhydrous	2.3	8	3, B14, N86, N89	None	None	None	None	Forbidden	D	40	
8 UN1740	Hydrogen iodide solution, see Hydroiodic acid.	III	8	III 8	IB8, IP3, N3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	25, 40, 52
8 UN3471	Hydrogendifluoride, solid, n.o.s.	II	8	II 8	IB8, IP2, IP4, N3, N34, T3, TP33	None	212	240	15 kg	50 kg	A	25, 40, 52
8 UN3471	Hydrogendifluoride solution, n.o.s.	III	8	III 8	IB8, IP3, N3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	25, 40, 52
5.1 UN3149	Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water, and not more than 5 percent peroxyacetic acid.	II	8, 6.1	II 8, 6.1	IB2, T7, TP2	154	202	242	1 L	30 L	A	25, 40, 52
5.1 UN2014	Hydrogen peroxide, aqueous solutions with more than 40 percent but not more than 60 percent hydrogen peroxide (stabilized as necessary).	III	8, 6.1	III 8, 6.1	IB3, T4, TP1	154	203	241	5 L	60 L	A	25, 40, 52
5.1 UN2014	Hydrogen peroxide, aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen peroxide (stabilized as necessary).	II	5.1, 8	II 5.1, 8	145, A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24	None	202	243	Forbidden	Forbidden	D	25, 66, 75
5.1 UN2014	Hydrogen peroxide, aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen peroxide (stabilized as necessary).	II	5.1, 8	II 5.1, 8	12, A60, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	1 L	5 L	D	25, 66, 75
5.1 UN2984	Hydrogen peroxide, aqueous solutions with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary).	III	5.1	III 5.1	A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	2.5 L	30 L	B	25, 66, 75
5.1 UN2015	Hydrogen peroxide, stabilized or Hydrogen peroxide, aqueous solutions, stabilized with more than 60 percent hydrogen peroxide.	I	5.1, 8	I 5.1, 8	A1, IB2, IP5, T4, TP1, TP6, TP24, TP37	None	201	243	Forbidden	Forbidden	D	25, 66, 75
2.1 UN1966	Hydrogen, refrigerated liquid (cryogenic liquid)	2.1	2.1	2.1	12, B53, B80, B81, B85, T9, TP2, TP6, TP24, TP37	None	316	318, 319	Forbidden	Forbidden	D	40
2.3 UN2202	Hydrogen selenide, anhydrous	2.3	2.1	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
2.3 UN1053	Hydrogen sulfate, see Sulfuric acid Hydrogen sulfide	2.3	2.3	2.3, 2.1	2, B9, B14, N89	None	304	314, 315	Forbidden	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	<i>Hydro-silico-fluoric acid, see Fluoro-silicic acid.</i>												
	1-Hydroxybenzotriazole, anhydrous, dry or wetted with less than 20 percent water, by mass.	1.3C	UN0508		1.3C			62	None	Forbidden	Forbidden	10	
	1-Hydroxybenzotriazole, anhydrous, wetted with not less than 20 percent water, by mass.	4.1	UN3474	I	4.1	162, N90		211	None	0.5 kg	0.5 kg	D	28, 36
	<i>Hydroxyl amine iodide</i>	Forbidden											
	Hydroxylamine sulfate	8	UN2865	III	8	IB8, IP3, T1, TP33		213	240	25 kg	100 kg	A	
	Hypochlorite solutions	8	UN1791	II	8	A7, B2, B15, IB2, IP5, N34, T7, TP2, TP24		202	242	1 L	30 L	B	26
				III	8	IB3, N34, T4, TP2, TP24		203	241	5 L	60 L	B	26
	Hypochlorites, inorganic, n.o.s.	5.1	UN3212	II	5.1	A9, IB8, IP2, IP4, T3, TP33		212	240	5 kg	25 kg	D	4, 48, 52, 56, 58, 69, 106, 116, 118
	<i>Hyponitrous acid</i>	Forbidden											
	<i>Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad.</i>												
	Igniters	1.1G	UN0121	II	1.1G			62	None	Forbidden	Forbidden	07	
		1.2G	UN0314	II	1.2G			62	None	Forbidden	Forbidden	07	
		1.3G	UN0315	II	1.3G			62	None	Forbidden	Forbidden	07	
		1.4G	UN0325	II	1.4G			62	None	Forbidden	75 kg	06	
		1.4S	UN0454	II	1.4S			62	None	25 kg	100 kg	05	
	3,3'-iminodipropylamine	8	UN2269	III	8	IB3, T4, TP2		203	241	5 L	60 L	A	
	Infectious substances, affecting animals only.	6.2	UN2900		6.2	A82		196	None	50 mL or 50 g	4 L or 4 kg	B	40
	Infectious substances, affecting humans.	6.2	UN 2814		6.2	A82		196	None	50 mL or 50 g	4 L or 4 kg	B	40
	<i>Inflammable, see Flammable</i>												
	<i>Initiating explosives (dry)</i>	Forbidden											
	<i>Inositol hexanitrate (dry)</i>	Forbidden											
	Insecticide gases, n.o.s.	2.2	UN1968		2.2			306	304	75 kg	150 kg	A	
								306	304	Forbidden	150 kg	D	40
	Insecticide gases, flammable, n.o.s.	2.1	UN3354		2.1	T50		304	315, 314, 315.	Forbidden	150 kg	D	40

G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone A.</i>	2.3	UN3355	.....	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone B.</i>	2.3	UN3355	.....	2.3, 2.1	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone C.</i>	2.3	UN3355	.....	2.3, 2.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	.....
G	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone D.</i>	2.3	UN3355	.....	2.3, 2.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	.....
G	Insecticide gases, toxic, n.o.s.	2.3	UN1967	.....	2.3	3	None	193, 334	245	Forbidden	Forbidden	D	40
	<i>Inulin trinitrate (dry)</i>	Forbidden											
	<i>iodine azide (dry)</i>	Forbidden											
	iodine monochloride	8	UN1792	II	8	B6, IB8, IP2, IP4, N41, T7, TP2	None	212	240	Forbidden	50 kg	D	40, 66, 74, 89, 90
	iodine pentafluoride	5.1	UN2495	I	5.1, 6.1, 8		None	205	243	Forbidden	Forbidden	D	25, 40, 52, 66, 90
	2-iodobutane	3	UN2390	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	iodomethylpropanes	3	UN2391	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	iodopropanes	3	UN2392	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
	<i>iodoxy compounds (dry)</i>	Forbidden											
	<i>Iridium nitratopentamine iridium nitrate.</i>	Forbidden											
	<i>Iron chloride, see Ferric chloride</i>												
	<i>Iron oxide, spent, or Iron sponge, spent obtained from coal gas purification.</i>	4.2	UN1376	III	4.2	B18, IB8, IP3, T1, TP33	None	213	240	Forbidden	Forbidden	E	.....
	Iron pentacarbonyl	6.1	UN1994	I	6.1, 3	1, B9, B14, B30, B77, T22, TP2, TP13, TP36, TP44	None	226	244	Forbidden	Forbidden	D	40
	<i>Iron sesquichloride, see Ferric chloride.</i>												
	<i>Irritating material, see Tear gas substances, etc.</i>												
	Isobutane <i>see also</i> Petroleum gases, liquefied.	2.1	UN1969	.....	2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
	Isobutanol or Isobutyl alcohol	3	UN1212	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Isobutyl acetate	3	UN1213	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	Isobutyl acrylate, stabilized	3	UN2527	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Isobutyl alcohol, <i>see</i> Isobutanol												
	Isobutyl alcohol, <i>see</i> Isobutanol												
	Isobutyl aldehyde, <i>see</i> Isobutyraldehyde.												
D	Isobutyl chloroformate	6.1	NA2742	I	6.1, 3, 8	2, B9, B14, B32, B74, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	12, 13, 22, 25, 40, 48, 100
	Isobutyl formate	3	UN2393	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	Isobutyl isobutyrate	3	UN2528	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
+	Isobutyl isocyanate	3	UN2486	I	3, 6.1	1, B9, B14, B30, T22, TP2, TP13, TP27	None	226	244	Forbidden	Forbidden	D	40
	Isobutyl methacrylate, stabilized	3	UN2283	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Isobutyl propionate	3	UN2394	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	B	.....
	Isobutylamine	3	UN1214	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40
	Isobutylene see also Petroleum gases, liquefied.	2.1	UN1055	.....	2.1	19, T50	306	304	314, 315,	Forbidden	150 kg	E	40
	Isobutyraldehyde or Isobutyl aldehyde.	3	UN2045	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
	Isobutyric acid	3	UN2529	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	.....
	Isobutyronitrile	3	UN2284	II	3, 6.1	IB2, T7, TP2, TP13	150	202	243	1 L	60 L	E	40
	Isobutyl chloride	3	UN2395	II	3, 8	IB1, T7, TP2	150	202	243	1 L	5 L	C	40
	Isocyanates, flammable, toxic, n.o.s. or Isocyanate solutions, flammable, toxic, n.o.s. flash point less than 23 degrees C.	3	UN2478	II	3, 6.1	5, A3, A7, IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	D	40
G	Isocyanates, toxic, flammable, n.o.s. or Isocyanate solutions, toxic, flammable, n.o.s., flash point not less than 23 degrees C but not more than 61 degrees C and boiling point less than 300 degrees C.	6.1	UN3080	III	3, 6.1	5, A3, A7, IB3, T7, TP1, TP13, TP28, TP27	150	203	242	60 L	220 L	A	.....
	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., flash point more than 61 degrees C and boiling point less than 300 degrees C.	6.1	UN2206	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	E	25, 40, 48
G	Isocyanatobenzotrifluorides	6.1	UN2285	III	6.1	IB3, T7, TP1, TP13, TP28	153	203	241	60 L	220 L	E	25, 40, 48
	Isheptenes	3	UN2287	II	6.1, 3	5, IB2, T7, TP2	153	202	243	5 L	60 L	D	25, 40, 48
	Isobexanes	3	UN2288	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	Isocetane, see Octanes	3	UN2288	II	3	IB2, IP8, T11, TP1	150	202	242	5 L	60 L	E	.....
	Isocetenes	3	UN1216	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	Isopentane, see Pentane	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Isopentanoic acid, see Corrosive liquids, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage		
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other		
	<i>Jet thrust igniters, for rocket motors or Jato, see igniters.</i>														
	<i>Jet thrust unit (Jato), see Rocket motors.</i>														
G	Kerosene	3	UN1223	III	3	144, B1, IB3, T2, TP2	150	203	242	60 L	220 L	A			
	Ketones, liquid, n.o.s.	3	UN1224	I 3	3	T11, TP1, TP8, TP27	None	201	243	1 L	30 L	E			
						IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B			
						B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A			
	Krypton, compressed	2.2	UN1056	2.2	306, 307	302	None	75 kg	150 kg	A					
	Krypton, refrigerated liquid (cryogenic liquid).	2.2	UN1970		2.2	T75, TP5	320	None	None	50 kg	500 kg	B			
	Lacquer base or lacquer chips, nitro-cellulose, dry, see Nitrocellulose, etc. (UN 2557).														
	Lacquer base or lacquer chips, plas-tic, wet with alcohol or solvent, see Nitrocellulose (UN2059, UN2555, UN2556, UN2557) or Paint etc.(UN1263).														
	Lead acetate	6.1	UN1616	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A			
	Lead arsenates	6.1	UN1617	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
	Lead arsenites	6.1	UN1618	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
	Lead azide (dry)	Forbidden													
	Lead azide, wetted with not less than 20 percent water or mixture of al-cohol and water, by mass.	1.1A	UN0129	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	12			
	Lead compounds, soluble, n.o.s.	6.1	UN2291	III	6.1	138, IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A			
	Lead cyanide	6.1	UN1620	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			52
	Lead dioxide	5.1	UN1872	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A			
	Lead dross, see Lead sulfate, with more than 3 percent free acid.														
	Lead nitrate	5.1	UN1469	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A			
	Lead nitrosocinnate (dry)	Forbidden													
	Lead perchlorate, solid	5.1	UN1470	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A			56, 58
	Lead perchlorate, solution	5.1	UN3408	II	5.1, 6.1	IB2, T4, TP1	152	202	243	1 L	5 L	A			56, 58

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3309	.....	2.3, 2.1, 8	1	None ...	192 ...	245 ...	Forbidden	Forbidden	D	17, 40
G I	Liquefied gas toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3309	.....	2.3, 2.1, 8	2, B9, B14	None ...	304 ...	314, 315	Forbidden	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3309	.....	2.3, 2.1, 8	3, B14	None ...	304 ...	314, 315	Forbidden	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3309	.....	2.3, 2.1, 8	4	None ...	304 ...	314, 315	Forbidden	Forbidden	D	17, 40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3160	.....	2.3, 2.1	1	None ...	192 ...	245 ...	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3160	.....	2.3, 2.1	2, B9, B14	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3160	.....	2.3, 2.1	3, B14	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3160	.....	2.3, 2.1	4	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3162	.....	2.3, 2.1	1	None ...	192 ...	245 ...	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3162	.....	2.3, 2.1	2, B9, B14	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3162	.....	2.3, 2.1	3, B14	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3162	.....	2.3, 2.1	4	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3310	.....	2.3, 5.1, 8	1	None ...	192 ...	245 ...	Forbidden	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3310	.....	2.3, 5.1, 8	2, B9, B14	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3310	.....	2.3, 5.1, 8	3, B14	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3310	.....	2.3, 5.1, 8	4	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40, 89, 90

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Lithium peroxide	5.1	UN1472	II	5.1	A9, IB6, IP2, N34, T3, TP33	152	212	None	5 kg	25 kg	A	13, 52, 66, 75
	Lithium silicon	4.3	UN1417	II	4.3	A19, A20, IB7, IP2, T3, TP33	151	212	241	15 kg	50 kg	A	85, 103
	LNG, see Methane etc. (UN 1972) London purple	6.1	UN1621	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	LPG, see Petroleum gases, liquefied												
	Lye, see Sodium hydroxide, solutions												
	Magnesium aluminum phosphide	4.3	UN1419	I	4.3, 6.1	A19, N34, N40	None	211	242	Forbidden	15 kg	E	40, 52, 85
+	Magnesium arsenate Magnesium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.	6.1	UN1622	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Magnesium bromate	5.1	UN1473	II	5.1	A1, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Magnesium chlorate	5.1	UN2723	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Magnesium diamide	4.2	UN2004	II	4.2	A8, A19, A20, IB6, T3, TP33	None	212	241	15 kg	50 kg	C	
	Magnesium dross, wet or hot	Forbidden											
	Magnesium fluorosilicate	6.1	UN2853	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Magnesium granules, coated, particle size not less than 149 microns	4.3	UN2950	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	240	25 kg	100 kg	A	52
	Magnesium hydride	4.3	UN2010	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	52
	Magnesium or Magnesium alloys with more than 50 percent magnesium in pellets, turnings or ribbons	4.1	UN1869	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	39, 52, 53, 74, 101
	Magnesium nitrate	5.1	UN1474	III	5.1	332, A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Magnesium perchlorate	5.1	UN1475	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Magnesium peroxide	5.1	UN1476	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	13, 52, 66, 75
	Magnesium phosphide	4.3	UN2011	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	40, 52, 85
	Magnesium, powder or Magnesium alloys, powder	4.3	UN1418	I	4.3, 4.2	A19, B56	None	211	244	Forbidden	15 kg	A	39, 52
				II	4.3, 4.2	A19, B56, IB5, IP2, T3, TP33	None	212	241	15 kg	50 kg	A	39, 52
				III	4.3, 4.2	A19, B56, IB8, IP4, T1, TP33	None	213	241	25 kg	100 kg	A	39, 52

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mixtures, liq-uid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	B1, B52, IB3, T4, TP1, TP29 IB2, T11, TP2, TP27	None	203	241	60 L	220 L	B	95	
	Mercaptans, liquid, toxic, flammable, n.o.s. or Mercaptan mixtures, liq-uid, toxic, flammable, n.o.s., flash point not less than 23 degrees C.	6.1	UN3071	II	3, 6.1, 3	A6, IB2, T11, TP2, TP13, TP27 A6, B1, IB3, T7, TP1, TP28	150	203	242	5 L	220 L	A	40, 95	
	5-Mercaptoisotrazol-1-acetic acid	1.4C	UN0448	II	1.4C	IB8, IP2, IP4, T3, TP33	None	62	None	Forbidden	75 kg	09		
	Mercuric arsenate	6.1	UN1623	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Mercuric chloride	6.1	UN1624	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Mercuric compounds, see Mercury compounds, etc.													
	Mercuric nitrate	6.1	UN1625	II	6.1	IB8, IP2, IP4, N73, T3, TP33	153	212	242	25 kg	100 kg	A		
	Mercuric potassium cyanide	6.1	UN1626	I	6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	52	
	Mercuric sulfocyanate, see Mercury thiocyanate.													
	Mercuriol, see Mercury nucleate													
	Mercurous azide	Forbidden												
	Mercurous compounds, see Mercury compounds, etc.													
	Mercurous nitrate	6.1	UN1627	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Mercury	6.1	UN2809	III	8	IB8, IP2, IP4, T3, TP33	164	164	240	35 kg	35 kg	B	40, 97	
	Mercury acetate	6.1	UN1629	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Mercury acetyl/ac	Forbidden												
	Mercury ammonium chloride	6.1	UN1630	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2778	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40	
	Mercury based pesticides, liquid, toxic.	6.1	UN3012	I	6.1	IB2, T11, TP2, TP13, TP27 T14, TP2, TP13, TP27	None	201	243	1 L	60 L	B	40	
	Mercury based pesticides, liquid, toxic.	6.1	UN3012	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40	

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity limitations	Labels	Placards	Other					
UN3011	Mercury based pesticides, liquid, toxic, flash point not less than 23 degrees C.	III	6.1	1	IB3, T7, TP2, TP28 T14, TP2, TP13, TP27	153	241	243	203	201	60 L 1 L	220 L 30 L	A B	40 40
UN2777	Mercury based pesticides, solid, toxic	III	6.1, 3	1	IB2, T11, TP2, TP13, TP27	153	243	202	202	202	5 L	60 L	B	40
UN1631	Mercury benzoate	III	6.1, 3	1	IB3, T7, TP2, TP28	153	242	203	203	203	60 L	220 L	A	40
UN1634	Mercury bromides	III	6.1	1	IB7, IP1, T6, TP33	None	242	211	211	211	5 kg	50 kg	A	40
UN2024	Mercury compounds, liquid, n.o.s.	III	6.1	1	IB8, IP2, IP4, T3, TP33	153	240	212	212	212	25 kg	100 kg	A	40
UN2025	Mercury compounds, solid, n.o.s.	III	6.1	1	IB8, IP3, T1, TP33	153	240	213	213	213	100 kg	200 kg	A	40
UN2809	Mercury contained in manufactured articles.	III	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	40
UN1636	Mercury cyanide	III	6.1	1	IB2, IP2, IP4, T3, TP33	153	242	201	201	201	1 L	30 L	B	40
UN0135	Mercury fulminate, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass.	II	1.1A	1	IB3, T7, TP28	153	241	203	203	203	5 L	60 L	B	40
UN1637	Mercury gluconate	III	6.1	1	IB7, IP1, T6, TP33	None	242	211	211	211	5 kg	50 kg	A	40
UN1638	Mercury iodide	III	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	40
	Mercury iodide aquabasic ammonobasic (iodide of Millon's base).	III	8	1	IB8, IP3, T1, TP33	None	None	164	164	164	No limit	No limit	B	40, 97
	Mercury nitride	II	6.1	1	IB8, IP2, IP4, N74, N75, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	52
	Mercury nucleate	II	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	40
	Mercury oleate	II	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	40
	Mercury oxide	II	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	40
	Mercury oxycyanide	II	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	52, 91
	Mercury oxycyanide, desensitized	II	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	40
	Mercury potassium iodide	II	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	40
	Mercury salicylate	II	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	40
	Mercury sulfates	II	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	40
	Mercury thiocyanate	III	3	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	A	40
	Mesityl oxide	III	3	1	B1, IB3, T2, TP1	150	242	203	203	203	60 L	220 L	A	40
	Metal carbonyls, liquid, n.o.s.	I	6.1	1	5, T14, TP2, TP13, TP27	None	243	201	201	201	1 L	30 L	B	40
	Metal carbonyls, solid, n.o.s.	III	6.1	1	IB2, T11, TP2, TP27	153	243	203	203	203	5 L	60 L	B	40
	Metal catalyst, dry	III	6.1	1	IB3, T7, TP1, TP28	153	241	202	202	202	60 L	220 L	A	40
	Metal catalyst, dry	III	6.1	1	IB7, IP1, T6, TP33	None	242	211	211	211	5 kg	50 kg	D	40
	Metal catalyst, dry	III	6.1	1	IB8, IP2, IP4, T3, TP33	153	242	212	212	212	25 kg	100 kg	B	40
	Metal catalyst, dry	III	6.1	1	IB8, IP3, T1, TP33	153	242	213	213	213	100 kg	200 kg	B	40
	Metal catalyst, dry	III	4.2	1	N34, T21, TP7, TP33	None	None	187	187	187	Forbiddn	Forbiddn	C	40
	Metal catalyst, dry	III	4.2	1	IB6, IP2, N34, T3, TP33	None	242	187	187	187	Forbiddn	50 kg	C	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Metal catalyst, wetted with a visible excess of liquid	4.2	UN1378	III	4.2	IB8, IP3, N34, T1, TP33	None	187	241	25 kg	100 kg	C	
	Metal hydrides, flammable, n.o.s.	4.1	UN3182	III	4.1	A2, A8, IB1, N34, T3, TP33	None	212	None	Forbidden	50 kg	C	
	Metal hydrides, water reactive, n.o.s.	4.3	UN1409	I	4.3	A1, IB4, T3, TP33	151	212	240	15 kg	50 kg	E	
	Metal powder, self-heating, n.o.s.	4.2	UN3189	III	4.2	A1, IB4, T1, TP33	151	213	240	25 kg	100 kg	E	
	Metal powders, flammable, n.o.s.	4.1	UN3089	III	4.1	A19, N34, N40	None	211	242	Forbidden	15 kg	D	52
	Metal salts of methyl nitramine (dry)	Forbidden				A19, IB4, N34, N40, T3, TP33	151	212	242	15 kg	50 kg	D	52
G	Metal salts of organic compounds, flammable, n.o.s.	4.1	UN3181	II	4.1	IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	C	
	Metalddehyde	4.1	UN1332	III	4.1	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	C	
G	Metallic substance, water-reactive, n.o.s.	4.3	UN3208	I	4.3	IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	B	
	Metallic substance, water-reactive, self-heating, n.o.s.	4.3	UN3209	I	4.3, 4.2	IB6, T1, TP33	151	213	240	25 kg	100 kg	B	
	Methacrylaldehyde, stabilized	3	UN2396	III	4.3	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
	Methacrylic acid, stabilized	8	UN2531	III	8	A1, IB8, IP3, T1, TP33	151	211	242	Forbidden	15 kg	E	
	Methacrylonitrile, stabilized	3	UN3079	I	3, 6.1	A7, IB7, IP2, T3, TP33	151	212	242	15 kg	50 kg	E	
	Methyl alcohol	3	UN2396	III	4.3	A7, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	E	
	Methane and hydrogen mixtures, etc.	3	UN2614	III	3	45, IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	
	Methane, compressed or Natural gas, compressed (with high methane content)	2.1	UN1971	I	3, 6.1	IB2, T7, TP1, TP18, TP30	154	202	242	1 L	30 L	C	
						2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	12, 40, 48
						B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
							306	302	302	Forbidden	150 kg	E	

	2.1	UN1972	.....	2.1	.....	T75, TP5	None ...	None	318	.....	Forbidden	Forbidden	D	40
Methane, refrigerated liquid (cryogenic liquid) or Natural gas, refrigerated liquid (cryogenic liquid), with high methane content.	2.1	UN1972	.....	2.1	.....	T75, TP5	None	None	318	.....	Forbidden	Forbidden	D	40
Methanesulfonyl chloride	6.1	UN3246	I	6.1, 8		2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	.....	Forbidden	Forbidden	D	40
Methanol	3	UN1230	II	3, 6.1		IB2, T7, TP2	150	202	242	.....	1 L	60 L	B	40
Methanol	3	UN1230	II	3		IB2, T7, TP2	150	202	242	.....	1 L	60 L	B	40
Methazolic acid	Forbidden													
4-Methoxy-4-methylpentan-2-one	3	UN2293	III	3		B1, IB3, T2, TP1	150	203	242	.....	60 L	220 L	A	.....
1-Methoxy-2-propanol	3	UN3092	III	3		B1, IB3, T2, TP1	150	203	242	.....	60 L	220 L	A	.....
Methoxymethyl isocyanate	3	UN2605	I	3, 6.1		1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	.....	Forbidden	Forbidden	D	40
Methyl acetate	3	UN1231	II	3		IB2, T4, TP1	150	202	242	.....	5 L	60 L	B	.....
Methyl acetylene and propadiene mixtures, stabilized.	2.1	UN1060	II	2.1		N88, T50	306	304	314	.....	Forbidden	150 kg	B	40
Methyl acrylate, stabilized	3	UN1919	II	3		IB2, T4, TP1, TP13	150	202	242	.....	5 L	60 L	B	.....
Methyl alcohol, see Methanol	3													
Methyl allyl chloride	3	UN2554	II	3		IB2, T4, TP1, TP13	150	202	242	.....	5 L	60 L	E	.....
Methyl amyl ketone, see Amyl methyl ketone	.....												
Methyl bromide	2.3	UN1062	2.3	2.3		3, B14, N86, T50	None	193	314, 315	.....	Forbidden	Forbidden	D	40
Methyl bromide and chloropicrin mixtures with more than 2 percent chloropicrin, see Chloropicrin and methyl bromide mixtures.	.....												
Methyl bromide and chloropicrin mixtures with not more than 2 percent chloropicrin, see Methyl bromide, chloropicrin, and ethylene dibromide mixtures, liquid.	.....												
Methyl bromide and ethylene dibromide mixtures, liquid.	6.1	UN1647	I	6.1		2, B9, B14, B32, N65, T20, TP2, TP13, TP38, TP44	None	227	244	.....	Forbidden	Forbidden	C	40
Methyl bromoacetate	6.1	UN2643	II	6.1		IB2, T7, TP2	153	202	243	.....	5 L	60 L	D	40
2-Methylbutanal	3	UN3371	II	3		IB2, T4, TP1	150	202	242	.....	5 L	60 L	B	.....
2-Methyl-1-butene	3	UN2459	I	3		T11, TP2	None	201	243	.....	1 L	30 L	E	.....
2-Methyl-2-butene	3	UN2460	II	3		IB2, IP8, T7, TP1	None	202	242	.....	5 L	60 L	E	.....
3-Methyl-1-butene	3	UN2561	I	3		T11, TP2	None	201	243	.....	1 L	30 L	E	.....
Methyl tert-butyl ether	3	UN2398	II	3		IB2, T7, TP1	150	202	242	.....	5 L	60 L	E	.....
Methyl butyrate	3	UN1237	II	3		IB2, T4, TP1	150	202	242	.....	5 L	60 L	B	.....
Methyl chloride or Refrigerant gas R 40.	2.1	UN1063	.....	2.1		N86, T50	306	304	314, 315	.....	5 kg	100 kg	D	40
Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures.	.....												
Methyl chloride and methylene chloride mixtures.	2.1	UN1912	2.1	2.1		N86, T50	306	304	314, 315	.....	Forbidden	150 kg	D	40
Methyl chloroacetate	6.1	UN2295	I	6.1, 3		T14, TP2, TP13	None	201	243	1 L	30 L	D
Methyl chloroformate, see Methyl chloroformate.													

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	<i>Methyl chloroform, see 1,1,1-Trichloroethane.</i>	6.1	UN1238	I	6.1, 3, 8.	1, B9, B14, B30, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	21, 40, 100
	Methyl chloromethyl ether	6.1	UN1239	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	Methyl 2-chloropropionate	3	UN2933	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methyl dichloroacetate	6.1	UN2299	III	6.1	IB3, T4, TP1	150	203	241	60 L	220 L	A	
	<i>Methyl ethyl ether, see Ethyl methyl ether.</i>												
	Methyl ethyl ketone, <i>see Ethyl methyl ketone.</i>												
	<i>Methyl ethyl ketone peroxide, in solution with more than 9 percent by mass active oxygen.</i>	Forbidden											
	2-Methyl-5-ethylpyridine	6.1	UN2300	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	Methyl fluoride, or Refrigerant gas R 41.	2.1	UN2454		2.1		306	304	314, 315.	Forbidden	150 kg	E	
	Methyl formate	3	UN1243	I	3	T11, TP2	150	201	243	1 L	30 L	E	
	2-Methyl-2-heptanethiol	6.1	UN3023	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 102
	Methyl iodide	6.1	UN2644	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	12, 40
	Methyl isobutyl carbinol	3	UN2053	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methyl isobutyl ketone	3	UN1245	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxygen.</i>	Forbidden											
	Methyl isocyanate	6.1	UN2480	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40, 52
	Methyl isopropenyl ketone, stabilized	3	UN1246	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methyl isothiocyanate	6.1	UN2477	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	
	Methyl isovaleate	3	UN2400	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methyl magnesium bromide, in ethyl ether.	4.3	UN1928	I	4.3, 3		None	201	243	Forbidden	1 L	D	
	Methyl mercaptan	2.3	UN1064		2.3, 2.1.	3, B7, B9, B14, N89, T50	None	304	314, 315.	Forbidden	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
D	Methylcyclohexanol, <i>flammable</i>	3	UN2617	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methylcyclohexanone	3	UN2297	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methylcyclopentane	3	UN2298	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methyldichloroarsine	6.1	NA1556	I	6.1	2, T20, TP4, TP13, TP38, TP45	None	192	None	Forbidden	Forbidden	D	40
	Methyldichlorosilane	4.3	UN1242	I	4.3, 8, 3	A2, A3, A7, B6, B77, N34, T14, TP2, TP7, TP13	None	201	243	Forbidden	1 L	D	21, 28, 40, 49, 100
	Methylene chloride, <i>see</i> Dichloromethane.												
	Methylene glycol dinitrate	Forbidden											
	2-Methylfuran	3	UN2301	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	<i>a</i> -Methylglucoside tetranitrate	Forbidden											
	5-Methylhexan-2-one	3	UN2302	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Methylhydrazine	6.1	UN1244	I	6.1, 3, 8	1, B7, B9, B14, B30, B77, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	21, 40, 49, 52 and 100	
4-Methylmorpholine <i>or</i> <i>n</i> -methylmorpholine.	3	UN2535	II	3, 8	B6, IB2, T7, TP1	150	202	243	1 L	5 L	B	40	
Methylpentadienes	3	UN2461	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E		
2-Methylpentan-2-ol	3	UN2560	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
Methylpentanes, <i>see</i> Hexanes													
Methylphenylchlorosilane	8	UN2437	II	8	T10, TP2, TP7, TP13	None	206	242	1 L	30 L	C	40	
1-Methylpiperidine	3	UN2399	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52	
Methyltetrahydrofuran	3	UN2536	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
Methyltrichlorosilane	3	UN1250	II	3, 8	A7, B6, B77, N34, T10, TP2, TP7, TP13	None	206	243	1 L	5 L	B	40	
alpha-Methylvaleraldehyde	3	UN2367	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B		
Mine rescue equipment containing carbon dioxide, <i>see</i> Carbon dioxide.													
Mines with bursting charge	1.1F	UN0136	II	1.1F					None	Forbidden	Forbidden	08	
Mines with bursting charge	1.1D	UN0137	II	1.1D					None	Forbidden	Forbidden	03	
Mines with bursting charge	1.2D	UN0138	II	1.2D					None	Forbidden	Forbidden	03	
Mines with bursting charge	1.2F	UN0294	II	1.2F					None	Forbidden	Forbidden	08	
Mixed acid, <i>see</i> Nitrating acid, mixtures <i>etc.</i>													

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
														152	213	240	25 kg	100 kg	A	56, 58
	Nickel nitrite	5.1	UN2726	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58	
	Nickel picrate	Forbidden												
	Nicotine	6.1	UN1654	II	6.1	IB2	153	202	243	5 L	60 L	A		
	Nicotine compounds, liquid, n.o.s. or	6.1	UN3144	I	6.1	A4	None	201	243	1 L	30 L	B	40	
	Nicotine preparations, liquid, n.o.s.													
	Nicotine compounds, solid, n.o.s. or	6.1	UN1655	III	6.1	IB2, T11, TP2, TP27	153	203	243	5 L	60 L	B	40	
	Nicotine preparations, solid, n.o.s.													
	Nicotine hydrochloride liquid or solu-tion.	6.1	UN1656	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	B	40	
	Nicotine hydrochloride, solid	6.1	UN3444	III	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B		
	Nicotine salicylate	6.1	UN1657	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Nicotine sulfate solution	6.1	UN1658	III	6.1	IB8, IP3, T1, IB2	153	213	240	100 kg	200 kg	A		
	Nicotine sulphate, solid	6.1	UN3445	III	6.1	IB3	153	203	241	60 L	220 L	A		
	Nicotine tartrate	6.1	UN1659	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Nitrated paper (unstable)	Forbidden												
	Nitrates, inorganic, aqueous solution, n.o.s.	5.1	UN3218	II	5.1	58, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133	
	Nitrates, inorganic, n.o.s.													
	Nitrates of diazonium compounds	5.1	UN1477	III	5.1	58, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133	
	Nitrating acid mixtures, spent with more than 50 percent nitric acid.	8	UN1826	I	8, 5.1	IB8, IP2, IP4, T3, TP33	152	213	240	5 kg	25 kg	A	56, 58	
	Nitrating acid mixtures spent with not more than 50 percent nitric acid.	8	UN1826	II	8	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58	
	Nitrating acid mixtures with more than 50 percent nitric acid.	8	UN1796	I	8, 5.1	A7, T10, TP2, TP13	None	158	243	Forbidden	2.5 L	D	40, 66	
	Nitrating acid mixtures with not more than 50 percent nitric acid.	8	UN1796	II	8	A7, B2, IB2, T8, TP2	None	158	242	Forbidden	30 L	D	40	
	Nitric acid other than red fuming, with at least 65 percent, but not more than 70 percent nitric acid.	8	UN2031	II	8, 5.1	A7, T10, TP2, TP13	None	158	243	Forbidden	2.5 L	D	40, 66	
	Nitric acid other than red fuming, with at least 65 percent, but not more than 70 percent nitric acid.	8	UN2031	II	8, 5.1	A7, B2, IB2, T8, TP2, IP15, T8, TP2	None	158	242	Forbidden	30 L	D	66, 74, 89, 90	

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity limitations	Forbidden	30 L	D	44, 66, 74, 89, 90
8 UN2031	Nitric acid, other than red fuming, with less than 65 percent nitric acid.	8	8	.....	A6, B2, B47, B53, IB2, IP15, T8, TP2	None	242	30 L	D	44, 66, 74, 89, 90
8 UN2031	Nitric acid other than red fuming with not more than 20 percent nitric acid.	8	8	.....	A6, B2, B47, B53, IB2, T8, TP2	None	242	30 L	D	44, 66, 74, 89, 90
8 UN2031	Nitric acid other than red fuming, with not more than 70 percent nitric acid.	8	8	.....	A6, B2, B47, B53, IB2, T8, TP2	None	242	30 L	D	44, 66, 89, 90, 110, 111
+ 8 UN2032	Nitric acid, red fuming	8	I	8, 5.1, 6.1	2, B9, B32, T20, TP2, TP13, TP38, TP45	None	244	Forbidden	D	40, 66, 74, 89, 90
2.3 UN1660	Nitric oxide, compressed	2.3	.....	2.3, 5.1, 8	1, B77	None	None	Forbidden	D	40, 89, 90
2.3 UN1975	Nitric oxide and dinitrogen tetroxide mixtures	2.3	.....	2.3, 5.1, 8	1, B77	None	None	Forbidden	D	40, 89, 90
3 UN3273	Nitrites, flammable, toxic, n.o.s.	3	I	3, 6.1	T14, TP2, TP13, TP27	None	243	30 L	E	40, 52
6.1 UN3275	Nitrites, toxic, flammable, n.o.s.	6.1	II	3, 6.1	IB2, T11, TP2, TP27	150	243	60 L	B	40, 52
6.1 UN3276	Nitrites, toxic, liquid, n.o.s.	6.1	I	6.1, 3	5, T14, TP2, TP13, TP27	None	243	30 L	B	40, 52
6.1 UN3439	Nitrites, toxic, solid, n.o.s.	6.1	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	243	60 L	B	40, 52
5.1 UN3219	Nitrites, inorganic, aqueous solution, n.o.s.	5.1	I	6.1, 3	5, T14, TP2, TP13, TP27	None	243	30 L	B	52
5.1 UN2627	Nitrites, inorganic, n.o.s.	5.1	II	6.1	IB2, T11, TP2, TP27	153	243	60 L	B	52
6.1 UN2307	3-Nitro-4-chlorobenzotrifluoride	6.1	III	6.1	IB3, T7, TP1, TP28	153	241	220 L	A	52
6.1 UN2307	6-Nitro-4-diazotoluene-3-sulfonic acid (dry)	6.1	I	6.1	IB7, IP1, T6, TP33	None	242	5 kg	D	52
6.1 UN2307	Nitro isobutane triol trinitrate	6.1	III	6.1	IB8, IP2, IP4, T3, TP33	153	242	100 kg	B	52
6.1 UN2307	N-Nitro-N-methylglycolamide nitrate	6.1	III	6.1	IB8, IP3, T1, TP33	153	240	200 kg	A	52
6.1 UN2307	2-Nitro-2-methylpropanol nitrate	6.1	II	5.1	IB1, T4, TP1	152	242	5 L	B	46, 56, 58, 133
6.1 UN2307	Nitro urea	6.1	III	5.1	IB2, T4, TP1	152	241	30 L	B	46, 56, 58, 133
6.1 UN2307	Nitro isobutane triol trinitrate	6.1	II	5.1	33, IB8, IP2, IP4, T3, TP33	152	None	25 kg	A	46, 56, 58, 133
6.1 UN2307	N-Nitro-N-methylglycolamide nitrate	6.1	II	6.1	IB2, T7, TP2	153	243	5 L	A	46, 56, 58, 133
6.1 UN2307	2-Nitro-2-methylpropanol nitrate	6.1	II	6.1	IB2, T7, TP2	153	243	60 L	A	40
6.1 UN2307	Nitro urea	6.1	II	1.D	.....	None	None	Forbidden	10	.....
6.1 UN2307	Nitro isobutane triol trinitrate	6.1	II	6.1	IB8, IP2, IP4, T3, TP33	153	242	100 kg	A	.....
6.1 UN2307	N-Nitro-N-methylglycolamide nitrate	6.1	III	6.1	IB3, T4, TP1	153	241	220 L	A	.....
6.1 UN2307	2-Nitro-2-methylpropanol nitrate	6.1	III	6.1	IB8, IP3, T1, TP33	153	240	200 kg	A	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
														153	202	243	5 L	60 L	A	40
+	Nitrobenzene	6.1	UN1662	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40	
	<i>m</i> -Nitrobenzene chlorate	Forbidden												
	Nitrobenzenesulfonic acid	8	UN2305	II	8	B2, B4, IB8, IP2, IP4, T3, TP33	154	202	242	1 L	30 L	A		
	Nitrobenzol, see Nitrobenzene													
	5-Nitrobenzotriazol	1.1D	UN0385	II	1.1D		None	62	None	Forbidden	Forbidden	10		
	Nitrobenzotrifluorides, liquid	6.1	UN2306	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40	
	Nitrobenzotrifluorides, solid	6.1	UN3431	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40	
	Nitrobromobenzenes, liquid	6.1	UN2732	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Nitrobromobenzenes, solid	6.1	UN3459	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	Nitrocellulose, dry or wetted with less than 25 percent water (or alcohol), by mass.	1.1D	UN0340	II	1.1D		None	62	None	Forbidden	Forbidden	13	27E	
	Nitrocellulose, with not more than 12.6 percent, by dry mass mixture with or without plasticizer, with or without pigment.	4.1	UN2557	II	4.1	44	151	212	None	1 kg	15 kg	D	28, 36	
	Nitrocellulose membrane filters, with not more than 12.6 percent nitrogen, by dry mass.	4.1	UN3270	II	4.1	43, A1	151	212	240	1 kg	15 kg	D		
	Nitrocellulose, plasticized with not less than 18 percent plasticizing substance, by mass.	1.3C	UN0343	II	1.3C		None	62	None	Forbidden	Forbidden	10		
	Nitrocellulose, solution, flammable with not more than 12.6 percent nitrogen, by mass, and not more than 55 percent nitrocellulose.	3	UN2059	I	3	198, T11, TP1, TP8, TP27	None	201	243	1 L	30 L	E		
	Nitrocellulose, unmodified or plasticized with less than 18 percent plasticizing substance, by mass.	1.1D	UN0341	II	1.1D		150	202	242	5 L	60 L	B		
Nitrocellulose, wetted with not less than 25 percent alcohol, by mass.	1.3C	UN0342	II	1.3C	198, IB2, T4, TP1, TP8	150	203	242	60 L	220 L	A	27E		
Nitrocellulose with alcohol with not less than 25 percent alcohol by mass, and with not more than 12.6 percent nitrogen, by dry mass.	4.1	UN2556	II	4.1	151	212	212	None	15 kg	15 kg	D	28, 36		

	4.1	UN2555	II	4.1	151	212	None	15 kg	50 kg	E	28, 36
Nitrocellulose with water with not less than 25 percent water by mass.											
Nitrochlorobenzene, see Chloronitrobenzenes etc.											
Nitrocresols, liquid	6.1	UN3434	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A
Nitrocresols, solid	6.1	UN2446	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A
Nitroethane	3	UN2842	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A
Nitroethyl nitrate	Forbidden										
Nitroethylene polymer	Forbidden										
Nitrogen, compressed	2.2	UN1066		2.2		306, 307	302	314, 315	75 kg	150 kg	A
Nitrogen dioxide, see Dinitrogen tetroxide.											
Nitrogen fertilizer solution, see Fertilizer ammoniating solution etc.											
Nitrogen peroxide, see Dinitrogen tetroxide.											
Nitrogen, refrigerated liquid cryogenic liquid.	2.2	UN1977		2.2	T75, TP5	320	316	318	50 kg	500 kg	D
Nitrogen tetroxide and nitric oxide mixtures, see Nitric oxide and nitrogen tetroxide mixtures.											
Nitrogen tetroxide, see Dinitrogen tetroxide.											
Nitrogen trichloride	Forbidden										
Nitrogen trifluoride	2.2	UN2451		2.2, 5.1			302	None	75 kg	150 kg	D
Nitrogen triiodide	Forbidden										
Nitrogen triiodide monoamine	Forbidden										
Nitrogen trioxide	2.3	UN2421		2.3, 5.1, 8	1		336	245	Forbidden	Forbidden	D
Nitroglycerin, desensitized with not less than 40 percent non-volatile water insoluble phlegmatizer, by mass.	1.1D	UN0143	II	1.1D, 6.1	125		62	None	Forbidden	Forbidden	13
Nitroglycerin, liquid, not desensitized	Forbidden										
Nitroglycerin mixture, desensitized, liquid, flammable, n.o.s. with not more than 30 percent nitroglycerin, by mass.	3	UN3343		3	129		214	None	Forbidden	Forbidden	D
Nitroglycerin mixture, desensitized, liquid, n.o.s. with not more than 30% nitroglycerin, by mass.	3	UN3357	II	3	142		202	243	5 L	60 L	E
Nitroglycerin mixture, desensitized, solid, n.o.s. with more than 2 percent but not more than 10 percent nitroglycerin, by mass.	4.1	UN3319	II	4.1	118		None	None	Forbidden	0.5 kg	E

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
														None ...	202 ...	None	Forbidden	5 L	E
	Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 5 percent nitroglycerin.	3	UN3064	II	3	N8	None	202	None	Forbidden	5 L	E		
	Nitroglycenn, solution in alcohol, with more than 1 percent but not more than 10 percent nitroglycerin.	1.1D	UN0144	II	1.1D		None	62	None	Forbidden	Forbidden	10	21E	
	Nitroglycerin solution in alcohol with not more than 1 percent nitroglycerin.	3	UN1204	II	3	IB2, N34	150	202	None	5 L	60 L	B		
	Nitroguanidine nitrate	Forbidden					None	62	None	Forbidden	Forbidden	10		
	Nitroguanidine or Picrite, dry or wetted with less than 20 percent water, by mass.	1.1D	UN0282	II	1.1D		None	62	None	Forbidden	Forbidden	10		
	Nitroguanidine, wetted or Picrite, wetted with not less than 20 percent water, by mass.	4.1	UN1336	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36	
	1-Nitrohydantoin	Forbidden					None	201	243	Forbidden	2.5 L	D	40, 66, 74, 89, 90	
	Nitrohydrochloric acid	8	UN1798	I	8	A3, B10, N41, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D		
	Nitromannite (dry)	Forbidden												
	Nitromannite, wetted, see Mannitol hexanitrate, etc.	Forbidden												
	Nitromethane	3	UN1261	II	3		150	202	None	Forbidden	60 L	A		
	Nitromuriatic acid, see Nitrohydrochloric acid.													
	Nitronaphthalene	4.1	UN2538	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A		
	Nitrophenols (o-, m-, p-)	6.1	UN1663	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	m-Nitrophenyldinitro methane	Forbidden					None	211	None	Forbidden	15 kg	E	28, 36	
	4-Nitrophenylhydrazine, with not less than 30 percent water, by mass.	4.1	UN3376	I	4.1	162, A8, A19, A20, N41	None	211	None	Forbidden	15 kg	E		
	Nitropropanes	3	UN2608	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	p-Nitrosodimethylaniline	4.2	UN1369	II	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	D	34	
	Nitrostarch, dry or wetted with less than 20 percent water, by mass.	1.1D	UN0146	II	1.1D		None	62	None	Forbidden	Forbidden	10		
	Nitrostarch, wetted with not less than 20 percent water, by mass.	4.1	UN1337	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	D	28, 36	
	Nitrosugars (dry)	Forbidden												

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Material Name	2.3	UN1069	2,3, 8	3, B14	None	304	314, 315, 242	Forbidden	Forbidden	D	40
Nitrosyl chloride	2.3	UN1069	2,3, 8	3, B14	None	304	314, 315, 242	Forbidden	Forbidden	D	40
Nitrosylsulfuric acid, liquid	8	UN2308	II 8	A3, A6, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90
Nitrosylsulfuric acid, solid	8	UN3456	II 8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	D	40, 66, 74, 89, 90
Nitroloenes, liquid	6.1	UN1664	II 6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Nitroloenes, solid	6.1	UN3446	II 6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nitroloenes (mono)	6.1	UN2660	III 6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Nitrotriazolone or NTO	1.1D	UN0490	II 1.1D	None	None	62	None	Forbidden	Forbidden	10	
Nitrous oxide and carbon dioxide mixtures, see Carbon dioxide and nitrous oxide mixtures.											
Nitrous oxide	2.2	UN1070	2,2, 5.1	A14	306	304	314, 315	75 kg	150 kg	A	40
Nitrous oxide, refrigerated liquid	2.2	UN2201	2,2, 5.1	B6, T75, TP5, TP22	None	304	314, 315	Forbidden	Forbidden	B	40
Nitroxylene, liquid	6.1	UN1665	II 6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Nitroxylene, solid	6.1	UN3447	II 6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Nitroxylol, see Nitroxylene											
Nonanes	3	UN1920	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Non-flammable gas, n.o.s., see Compressed gas, etc. or Liquefied gas, etc.											
Nonliquefied gases, see Compressed gases, etc.											
Nonliquefied hydrocarbon gas, see Hydrocarbon gas mixture, compressed, n.o.s.											
Nonyltrichlorosilane	8	UN1799	II 8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Nordhausen acid, see Sulfuric acid, fuming etc.											
2,5-Norbomadiene, stabilized, see Bicycle [2.2.1] hepta-2,5-diene, stabilized.											
Octadecyltrichlorosilane	8	UN1800	II 8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Octadiene	3	UN2309	II 3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
1,7-Octadiene-3,5-diyne-1,8-dimethoxy-9-octadecynoic acid.	Forbidden										
Octafluorobut-2-ene or Refrigerant gas R 1318	2.2	UN2422	2,2		None	304	314, 315	75 kg	150 kg	A	
Octafluorocyclobutane, or Refrigerant gas RC 318	2.2	UN1976	2,2	T50	None	304	314, 315	75 kg	150 kg	A	
Octafluoropropane or Refrigerant gas R 218	2.2	UN2424	2,2	T50	None	304	314, 315	75 kg	150 kg	A	
Octanes	3	UN1262	II 3	IB2, T4, TP1	150	202	242	5 L	60 L	B	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Octogen, etc. <i>see</i> Cyclo-tetramethylene tetranitramine, etc.												
	Octolite or Octol, dry or wetted with less than 15 percent water, by mass.	1.1D	UN0266	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	
	Octonal	1.1D	UN0496		1.1D ..		None ..	62	None	Forbidden	Forbidden	10	
	Octyl aldehydes	3	UN1191		3	B1, IB3, T2, TP1	150	203	60 L	Forbidden	220 L	A	
	Octyltrichlorosilane	8	UN1801	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None ..	206	242 ..	Forbidden	30 L	C	40
	Oil gas, compressed	2.3	UN1071		2.3, 2.1.	6	None ..	304 ..	314, 315.	Forbidden	25 kg	D	40
	<i>Osium</i> , <i>see</i> Sulfuric acid, fuming												
	Organic peroxide type A, liquid or solid.	Forbidden											
G	Organic peroxide type B, liquid	5.2	UN3101	II	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 40, 52, 53
G	Organic peroxide type B, liquid, temperature controlled.	5.2	UN3111	II	5.2, 1	53	None ..	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type B, solid	5.2	UN3102	II	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 40, 52, 53
G	Organic peroxide type B, solid, temperature controlled.	5.2	UN3112	II	5.2, 1	53	None ..	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type C, liquid	5.2	UN3103	II	5.2		152	225	None	5 L	10 L	D	12, 40, 52, 53
G	Organic peroxide type C, liquid, temperature controlled.	5.2	UN3113	II	5.2		None ..	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type C, solid	5.2	UN3104	II	5.2		152	225	None	5 kg	10 kg	D	12, 40, 52, 53
G	Organic peroxide type C, solid, temperature controlled.	5.2	UN3114	II	5.2		None ..	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type D, liquid	5.2	UN3105	II	5.2		152	225	None	5 L	10 L	D	12, 40, 52, 53
G	Organic peroxide type D, liquid, temperature controlled.	5.2	UN3115	II	5.2		None ..	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type D, solid	5.2	UN3106	II	5.2		152	225	None	5 kg	10 kg	D	12, 40, 52, 53
G	Organic peroxide type D, solid, temperature controlled.	5.2	UN3116	II	5.2		None ..	225	None	Forbidden	Forbidden	D	2, 40, 52, 53

UN number	Proper shipping name	Class	Division	Subdivision	Section	Paragraph	Special provisions	Quantity	Label	Other			
5.2 UN3107	Organic peroxide type E, liquid	II	5.2	.....	.....	.....	152	225	None	10 L	25 L	D	12, 40, 52, 53
5.2 UN3117	Organic peroxide type E, liquid, temperature controlled.	II	5.2	.....	.....	.....	None	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
5.2 UN3108	Organic peroxide type E, solid	II	5.2	.....	.....	.....	152	225	None	10 kg	25 kg	D	12, 40, 52, 53
5.2 UN3118	Organic peroxide type E, solid, temperature controlled.	II	5.2	.....	.....	.....	None	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
5.2 UN3109	Organic peroxide type F, liquid	II	5.2	.....	.....	.....	152	225	225	10 L	25 L	D	12, 40, 52, 53
5.2 UN3119	Organic peroxide type F, liquid, temperature controlled.	II	5.2	.....	.....	.....	None	225	225	Forbidden	Forbidden	D	2, 40, 52, 53
5.2 UN3110	Organic peroxide type F, solid	II	5.2	.....	.....	.....	152	225	225	10 kg	25 kg	D	12, 40, 52, 53
5.2 UN3120	Organic peroxide type F, solid, temperature controlled.	II	5.2	.....	.....	.....	None	225	225	Forbidden	Forbidden	D	12, 40, 52, 53
2.3 NA1955	Organic phosphate, mixed with compressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas.	.....	2.3	.....	.....	.....	3	334	None	Forbidden	Forbidden	D	2, 52, 55
4.2 UN3313	Organic pigments, self-heating	II	4.2	.....	.....	.....	None	212	241	15 kg	50 kg	C	.....
6.1 UN3280	Organoarsenic compound, liquid, n.o.s.	III	4.2	.....	.....	.....	None	213	241	25 kg	100 kg	C	.....
6.1 UN3465	Organoarsenic compound, solid, n.o.s.	I	6.1	.....	.....	.....	None	201	242	1 L	30 L	B	.....
6.1 UN2762	Organochlorine pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	III	6.1	.....	.....	.....	153	202	242	5 L	60 L	B	.....
6.1 UN2996	Organochlorine pesticides, liquid, toxic.	I	6.1	.....	.....	.....	153	203	241	60 L	220 L	A	.....
6.1 UN2995	Organochlorine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	I	6.1	.....	.....	.....	153	203	241	25 kg	100 kg	B	.....
6.1 UN2761	Organochlorine pesticides, solid, toxic.	I	6.1	.....	.....	.....	None	201	243	1 L	30 L	B	.....
6.1 UN2761	Organochlorine pesticides, solid, toxic.	II	6.1	.....	.....	.....	153	202	243	5 L	60 L	B	40
6.1 UN2761	Organochlorine pesticides, solid, toxic.	III	6.1	.....	.....	.....	153	203	242	60 L	220 L	A	40
6.1 UN2761	Organochlorine pesticides, solid, toxic.	I	6.1	.....	.....	.....	None	211	242	5 kg	50 kg	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
														Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
G	Organometallic compound, toxic, liquid, n.o.s.	6.1	UN3282	III	6.1	IB8, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40	
				I	6.1	T14, TP2, TP13, TP27	None	201	242	1 L	30 L	B		
G	Organometallic compound, toxic, solid, n.o.s.	6.1	UN3467	II	6.1	IB2, T11, TP2, TP27	153	202	242	5 L	60 L	B		
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A		
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B		
G	Organometallic substance, liquid, pyrophoric.	4.2	UN3392	II	6.1	IB8, IP4, T3, TP33	153	212	242	25 kg	100 kg	B		
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
				I	4.2	B11, T21, TP2, TP7	None	181	244	Forbidden	Forbidden	D	143	
G	Organometallic substance, liquid, pyrophoric, water-reactive.	4.2	UN3394	I	4.2	B11, T21, TP2, TP7	None	181	244	Forbidden	Forbidden	D		
				I	4.3	T13, TP2, TP7	None	201	244	Forbidden	1 L	E	40, 52	
G	Organometallic substance, liquid, water-reactive.	4.3	UN3398	II	4.3	IB1, T7, TP2, TP7	None	202	243	1 L	5 L	E	40, 52	
				III	4.3	IB2, T7, TP2, TP7	None	203	242	5 L	60 L	E	40, 52	
				I	4.3, 3	T13, TP2, TP7	None	201	244	Forbidden	1 L	D	40, 52	
G	Organometallic substance, solid, pyrophoric.	4.2	UN3391	II	4.3, 3	IB1, IP2, T7, TP2, TP7	None	202	243	1 L	5 L	D	40, 52	
				III	4.3, 3	IB2, IP4, T7, TP2, TP7	None	203	242	5 L	60 L	E	40, 52	
				I	4.2	T21, TP7, TP33	None	187	244	Forbidden	Forbidden	D		
G	Organometallic substance, solid, pyrophoric, water-reactive.	4.2	UN3393	I	4.2	B11, T21, TP7, TP33	None	187	244	Forbidden	Forbidden	D	52.	
				I	4.3	IB6, T3, TP33	None	212	242	15 kg	50 kg	C		
				II	4.2	IB8, T1, TP33	None	203	242	25 kg	100 kg	C		
G	Organometallic substance, solid, self-heating.	4.2	UN3400	III	4.2	N40, T9, TP7, TP33	None	211	242	Forbidden	Forbidden	E	40, 52	
				I	4.3	IB4, T3, TP33	151	212	242	15 kg	50 kg	E	40, 52	
				I	4.3	IB6, T1, TP33	151	213	241	25 kg	100 kg	E	40, 52	
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	I	4.3	N40, T9, TP7, TP33	None	211	242	Forbidden	Forbidden	E	40, 52	
				I	4.1	IB4, T3, TP33	151	212	242	15 kg	50 kg	E	40, 52	
				II	4.3	IB6, T1, TP33	151	213	241	25 kg	100 kg	E	40, 52	
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	III	4.3	IB4, T3, TP33	151	212	242	15 kg	50 kg	E	40, 52	
				I	4.1	IB6, T1, TP33	151	213	241	25 kg	100 kg	E	40, 52	
				I	4.1	IB4, T3, TP33	151	212	242	15 kg	50 kg	E	40, 52	
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	III	4.3	IB6, T1, TP33	151	213	241	25 kg	100 kg	E	40, 52	
				I	4.1	IB4, T3, TP33	151	212	242	15 kg	50 kg	E	40, 52	
				I	4.1	IB6, T1, TP33	151	213	241	25 kg	100 kg	E	40, 52	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi-cation Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Organotin pesticides, liquid, flam-mable, toxic, flash point less than 23 degrees C.	3	UN2787	I	3, 6.1	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	Forbidden	30 L	B	40
	Organotin pesticides, liquid, toxic	6.1	UN3020	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150 ...	202 ...	243 ...	1 L	60 L	B	40
	Organotin pesticides, liquid, toxic	6.1	UN3019	I	6.1, 3	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	1 L	30 L	B	40
	Organotin pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3019	I	6.1, 3	IB3, T7, TP2, TP28	153 ...	203 ...	241 ...	60 L	220 L	A	40
	Organotin pesticides, solid, toxic	6.1	UN2786	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153 ...	202 ...	243 ...	5 L	60 L	B	40
	Organotin pesticides, solid, toxic	6.1	UN2786	I	6.1	B1, IB3, T7, TP2, TP28	None ...	211 ...	242 ...	60 L	220 L	A	40
	Organotin pesticides, solid, toxic	6.1	UN2786	II	6.1	IB8, IP2, IP4, T3, TP33	153 ...	212 ...	242 ...	5 kg	50 kg	A	40
	Organotin pesticides, solid, toxic	6.1	UN2786	III	6.1	IB8, IP3, T1, TP33	153 ...	213 ...	240 ...	25 kg	100 kg	A	40
	Orthoitraaniline, see Nitroanilines etc.												
	Osmium tetroxide	6.1	UN2471	I	6.1	A8, IB7, IP1, N33, N34, T6, TP33	None ...	211 ...	242 ...	5 kg	50 kg	B	40
D G	Other regulated substances, liquid, n.o.s.	9	NA3082	III	9	IB3, T2, TP1	155 ...	203 ...	241 ...	No limit	No limit	A	
D G	Other regulated substances, solid, n.o.s.	9	NA3077	III	9	B54, IB8, IP2, T1, TP33	155 ...	213 ...	240 ...	No limit	No limit	A	
G	Oxidizing liquid, corrosive, n.o.s.	5.1	UN3098	I	5.1, 8	62, A6	None ...	201 ...	244 ...	Forbidden	2.5 L	D	13, 56, 58, 106, 138
	Other regulated substances, liquid, n.o.s.			II	5.1, 8	62, IB1	None ...	202 ...	243 ...	1 L	5 L	B	13, 34, 56, 58, 106, 138
	Other regulated substances, solid, n.o.s.			III	5.1, 8	62, IB2	152 ...	203 ...	242 ...	2.5 L	30 L	B	13, 34, 56, 58, 106, 138

G	Oxidizing liquid, n.o.s.	5.1	UN3139	I	5.1	62, 127, A2, A6	None	201	243	Forbidden	2.5 L	D	56, 58, 106, 138
				II	5.1	62, 127, A2, IB2	152	202	242	1 L	5 L	B	56, 58, 106, 138
				III	5.1	62, 127, A2, IB2	152	203	241	2.5 L	30 L	B	56, 58, 106, 138
G	Oxidizing liquid, toxic, n.o.s.	5.1	UN3099	I	5.1, 6.1	62, A6	None	201	244	Forbidden	2.5 L	D	56, 58, 106, 138
				II	5.1, 6.1	62, IB1	152	202	243	1 L	5 L	B	56, 58, 95, 106, 138
				III	5.1, 6.1	62, IB2	152	203	242	2.5 L	30 L	B	56, 58, 95, 106, 138
G	Oxidizing solid, corrosive, n.o.s.	5.1	UN3085	I	5.1, 8	62	None	211	242	1 kg	15 kg	D	13, 56, 58, 95, 106, 138
				II	5.1, 8	62, IB6, IP2, T3, TP33	None	212	242	5 kg	25 kg	B	13, 34, 56, 58, 106, 138
				III	5.1, 8	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	13, 34, 56, 58, 106, 138
G	Oxidizing solid, flammable, n.o.s.	5.1	UN3137	I	5.1, 4.1	62	None	214	214	Forbidden	Forbidden		56, 58, 106, 138
G	Oxidizing solid, n.o.s.	5.1	UN1479	I	5.1	62, IB5, IP1	None	211	242	1 kg	15 kg	D	56, 58, 106, 138
				II	5.1	62, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	B	56, 58, 106, 138
				III	5.1	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	56, 58, 106, 138
G	Oxidizing solid, self-heating, n.o.s.	5.1	UN3100	I	5.1, 4.2	62	None	214	214	Forbidden	Forbidden		56, 58, 106, 138
				II	5.1, 4.2	62	None	214	214	Forbidden	Forbidden		56, 58, 106, 138
G	Oxidizing solid, toxic, n.o.s.	5.1	UN3087	I	5.1, 6.1	62	None	211	242	1 kg	15 kg	D	56, 58, 106, 138

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
G	Oxidizing solid, water-reactive, n.o.s. Oxygen and carbon dioxide mixtures, see Carbon dioxide and oxygen mixtures. Oxygen, compressed Oxygen difluoride, compressed	5.1	UN3121	II	5.1, 6.1.	62, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	B	56, 58, 95, 106, 138
							152	213	240	25 kg	100 kg	B	56, 58, 95, 106, 138
							214	214	Forbidden.	Forbidden			
							306	302	314, 315.	75 kg	150 kg	A	
							None	304	None	Forbidden	Forbidden	D	13, 40, 89, 90
							None	168	None	Forbidden	25 kg gross	D	56, 58, 69, 106
							None	213	None	Forbidden	Forbidden	A	
							316	316	318	Forbidden	Forbidden	D	
							150	201	243	1 L	30 L	E	
							150	173	242	5 L	60 L	B	
+	Oxygen, refrigerated liquid (cryogenic liquid). Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer-base.	2.2	UN1073	II	2.2, 5.1.	T75, TP5, TP22	320	316	318	Forbidden	Forbidden	D	
							154	173	242	60 L	220 L	A	
							154	173	242	1 L	30 L	A	40
							154	173	241	5 L	60 L	A	40

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Quantity	Label	Quantity	Label
3 UN1263	Paint related material including paint thinning, drying, removing, or reducing compound.	I	3	.....	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E
8 UN3470	Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base).	II	8	.....	149, B52, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B
8 UN3470	Paint related material corrosive, flammable (including paint thinning or reducing compound).	III	8	.....	B1, B52, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A
3 UN3469	Paint, flammable, corrosive (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base).	II	8	3	.....	154	202	243	1 L	30 L	B
4.2 UN1379	Paper, unsaturated oil treated completely dried (including carbon paper).	I	3	8	.....	None	201	243	0.5 L	2.5 L	E
4.1 UN2213	Parafomaldehyde	II	3	8	.....	150	202	243	1 L	5 L	B
3 UN1264	Paraldehyde	III	3	8	.....	150	203	242	5 L	60 L	A
	Paranitroaniline, solid, see Nitroanilines etc.	III	4	2	.....	None	213	241	Forbidden	Forbidden	A
2.3 NA1967	Parathion and compressed gas mixture.	.....	2	3	.....	3	334	245	Forbidden	Forbidden	E
	Paris green, solid, see Copper acetoarsenite.										
	PCB, see Polychlorinated biphenyls										
4.2 UN1380	Pentaborane	I	4	2	.....	1	205	245	Forbidden	Forbidden	D
6.1 UN1669	Pentachloroethane	II	6	1	.....	153	202	243	5 L	60 L	A
6.1 UN3155	Pentaerythrite tetranitrate (dry)	II	6	1	.....	153	212	242	25 kg	100 kg	A
	Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. or Pentaerythritol tetranitrate mixture, desensitized, solid, n.o.s. or PETN mixture, desensitized, solid, n.o.s., with more than 10 percent but not more than 20 percent PETN, by mass.	II	4	1	.....	None	214	None	Forbidden	Forbidden	E
1.1D UN0411	Pentaerythrite tetranitrate or Pentaerythritol tetranitrate or PETN, with not less than 7 percent wax by mass.	II	1	1D	.....	None	62	None	Forbidden	Forbidden	10

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Pentaerythrite tetranitrate, wetted or Pentaerythritol tetranitrate, wetted, or PETN, wetted with not less than 25 percent water, by mass, or Pentaerythrite tetranitrate, or Pentaerythritol tetranitrate or PETN, desensitized with not less than 15 percent phlegmatizer by mass.	1.1D	UN0150	II	1.1D ..	121	None ..	62	Forbidden	Forbidden	10	.....
	Pentaerythrite tetranitrate, etc.	2.2	UN3220	.....	2.2	T50	306	314, 315,	75 kg	150 kg	A	.....
	Pentafluoroethane or Refrigerant gas R 125.	3	UN2286	III	3	B1, IB3, T2, TP1	150	203	60 L	220 L	A	.....
	Pentamethylheptane	3	UN2310	III	3, 6.1	B1, IB3, T4, TP1	150	203	60 L	220 L	A	.....
	Pentane-2,4-dione	3	UN1265	I	3	T11, TP2	150	201	1 L	30 L	E	.....
	Pentanes	3	UN1265	II	3	IB2, IP8, T4, TP1	150	202	5 L	60 L	E	.....
	Pentanitroaniline (dry)	Forbidden											
	Pentanols	3	UN1105	II	3	IB2, T4, TP1, TP29	150	202	5 L	60 L	B	.....
	1-Pentene (n-amylenes)	3	UN1108	I	3	B1, B3, IB3, T2, TP1	150	203	60 L	220 L	A	.....
	1-Pentol	8	UN2705	II	8	T11, TP2	150	201	1 L	30 L	E	.....
	Pentolite, dry or wetted with less than 15 percent water, by mass.	1.1D	UN0151	II	1.1D ..	B2, IB2, T7, TP2	154	202	1 L	30 L	B	26, 27	
	Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized.	.....										
	Perchlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3211	II	5.1	IB2, T4, TP1	152	202	1 L	5 L	B	56, 58, 133	
	Perchlorates, inorganic, n.o.s. ....	.....										
	Perchloric acid, with more than 72 percent acid by mass.	5.1	UN1481	II	5.1	IB6, IP2, T3, TP33	152	212	5 kg	25 kg	A	56, 58, 69, 133	
	Perchloric acid, with more than 72 percent but not more than 50 percent acid, by mass.	Forbidden											
	Perchloric acid with not more than 50 percent acid, by mass.	5.1	UN1873	I	5.1, 8	A2, A3, N41, T10, TP1	None ..	201	Forbidden	2.5 L	D	66	
	Perchloric acid with not more than 50 percent acid by mass.	8	UN1802	II	8, 5.1	IB2, N41, T7, TP2	None ..	202	Forbidden	30 L	C	66	

Perchloroethylene, see Tetrachloroethylene	6.1	UN1670	I	6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Perchloromethyl mercaptan	2.3	UN3083	2.3	2.3, 5.1	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
Perchloryl fluoride	2.1	UN3154	2.1	2.1	T50	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
Perchloro-2-butene, see Octafluorobut-2-ene	2.1	UN3154	2.1	2.1	T50	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
Perfluoro(methyl vinyl ether)	2.1	UN3153	2.1	2.1	T50	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
Perfluoro(methyl vinyl ether)	2.1	UN3153	2.1	2.1	T50	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
Perfumery products with flammable solvents	3	UN1266	II	3	149, IB2, T4, TP1, TP8	150	202	242	15 L	60 L	B	
Permanganates, inorganic, aqueous solution, n.o.s.	5.1	UN3214	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	56, 58, 133, 138
Permanganates, inorganic, n.o.s.	5.1	UN1482	II	5.1	26, A30, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 133, 138
Peroxides, inorganic, n.o.s.	5.1	UN1483	III	5.1	26, A30, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	D	56, 58, 133, 138
Peroxyacetic acid, with more than 43 percent and with more than 6 percent hydrogen peroxide	5.1	UN3216	III	5.1	A7, A20, IB6, IP2, N34, T3, TP33	None	212	242	5 kg	25 kg	A	13, 52, 66, 75
Persulfates, inorganic, aqueous solution, n.o.s.	5.1	UN3215	III	5.1	A7, A20, IB8, IP3, N34, T1, TP33	152	213	240	25 kg	100 kg	A	13, 52, 66, 75
Pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN3021	I	3, 6.1	IB2, T4, TP1, TP29	152	203	241	2.5 L	30 L	A	56, 133
Pesticides, liquid, toxic, flash point less than 23 degrees C	3	UN3021	I	3, 6.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Pesticides, liquid, toxic, n.o.s. flash point not less than 23 degrees C	6.1	UN2903	II	3, 6.1	B5, T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	
Pesticides, liquid, toxic, n.o.s. flash point not less than 23 degrees C	6.1	UN2903	I	6.1, 3	IB2, T11, TP2, TP13, TP27	None	201	243	1 L	60 L	B	
Pesticides, liquid, toxic, n.o.s. flash point not less than 23 degrees C	6.1	UN2902	II	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Pesticides, liquid, toxic, n.o.s. flash point not less than 23 degrees C	6.1	UN2902	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Pesticides, liquid, toxic, n.o.s. flash point not less than 23 degrees C	6.1	UN2902	II	6.1, 3	B1, IB3, T7, TP2	153	203	242	60 L	220 L	A	40
Pesticides, liquid, toxic, n.o.s. flash point not less than 23 degrees C	6.1	UN2902	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Pesticides, liquid, toxic, n.o.s. flash point not less than 23 degrees C	6.1	UN2902	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40

Phenoxycetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3347	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Phenoxycetic acid derivative pesticide, solid, toxic.	6.1 <td>UN3345</td> <td>III</td> <td>6.1, 3</td> <td>IB2, T11, TP2, TP13, TP27</td> <td>153</td> <td>202</td> <td>243</td> <td>5 L</td> <td>60 L</td> <td>B</td> <td>40</td>	UN3345	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Phenyl chloroformate	6.1 <td>UN2746</td> <td>II</td> <td>6.1, 8</td> <td>IB8, IP2, IP4, T3, TP33</td> <td>153</td> <td>212</td> <td>242</td> <td>25 kg</td> <td>100 kg</td> <td>A</td> <td>40</td>	UN2746	II	6.1, 8	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Phenyl isocyanate	6.1 <td>UN2487</td> <td>I</td> <td>6.1, 3</td> <td>2, B9, B14, B32, B77, N83, N34, T20, TP2, TP13, TP38, TP45</td> <td>None</td> <td>227</td> <td>244</td> <td>Forbidden</td> <td>Forbidden</td> <td>D</td> <td>40, 52</td>	UN2487	I	6.1, 3	2, B9, B14, B32, B77, N83, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52
Phenyl mercaptan	6.1 <td>UN2337</td> <td>I</td> <td>6.1, 3</td> <td>2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45</td> <td>None</td> <td>227</td> <td>244</td> <td>Forbidden</td> <td>Forbidden</td> <td>B</td> <td>40, 52</td>	UN2337	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40, 52
Phenyl phosphorus dichloride	8	UN2798	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40
Phenyl phosphorus trichloride	8	UN2799	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40
Phenyl urea pesticides, liquid, toxic	6.1 <td>UN3002</td> <td>I</td> <td>6.1</td> <td>T14, TP2, TP27</td> <td>None</td> <td>201</td> <td>243</td> <td>1 L</td> <td>30 L</td> <td>B</td> <td>40</td>	UN3002	I	6.1	T14, TP2, TP27	None	201	243	1 L	30 L	B	40
Phenylacetone, liquid	6.1 <td>UN2470</td> <td>III</td> <td>6.1</td> <td>T7, TP2</td> <td>None</td> <td>202</td> <td>243</td> <td>5 L</td> <td>60 L</td> <td>B</td> <td>40</td>	UN2470	III	6.1	T7, TP2	None	202	243	5 L	60 L	B	40
Phenylacetyl chloride	8	UN2577	III	6.1	T4, TP1	153	203	241	60 L	220 L	A	40
Phenylcarbamine chloride	6.1 <td>UN1672</td> <td>II</td> <td>8</td> <td>IB3, T4, TP1</td> <td>153</td> <td>203</td> <td>241</td> <td>60 L</td> <td>220 L</td> <td>A</td> <td>52</td>	UN1672	II	8	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
<i>m</i> -Phenyne diaminediperchlorate (dry)	Forbidden		I	6.1	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	40
Phenylenediamines (o-, m-, p-)	6.1 <td>UN1673</td> <td>III</td> <td>6.1</td> <td>2, B9, B14, B32, T20, TP2, TP13, TP38, TP45</td> <td>None</td> <td>227</td> <td>244</td> <td>Forbidden</td> <td>Forbidden</td> <td>D</td> <td>40</td>	UN1673	III	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Phenylenediamines (o-, m-, p-)	6.1 <td>UN2572</td> <td>III</td> <td>6.1</td> <td>IB8, IP3, T1, TP33</td> <td>153</td> <td>213</td> <td>240</td> <td>100 kg</td> <td>200 kg</td> <td>A</td> <td>40</td>	UN2572	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Phenylhydrazine	6.1 <td>UN1674</td> <td>II</td> <td>6.1</td> <td>IB2, T7, TP2</td> <td>153</td> <td>202</td> <td>243</td> <td>5 L</td> <td>60 L</td> <td>A</td> <td>40</td>	UN1674	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Phenylmercuric acetate	6.1 <td>UN2026</td> <td>I</td> <td>6.1</td> <td>IB8, IP2, IP4, T3, TP33</td> <td>None</td> <td>211</td> <td>242</td> <td>25 kg</td> <td>100 kg</td> <td>A</td> <td>40</td>	UN2026	I	6.1	IB8, IP2, IP4, T3, TP33	None	211	242	25 kg	100 kg	A	40
Phenylmercuric compounds, n.o.s.	6.1 <td>UN2026</td> <td>I</td> <td>6.1</td> <td>IB7, IP1, T6, TP33</td> <td>None</td> <td>211</td> <td>242</td> <td>5 kg</td> <td>50 kg</td> <td>A</td> <td>40</td>	UN2026	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Phenylmercuric hydroxide	6.1 <td>UN1894</td> <td>III</td> <td>6.1</td> <td>IB8, IP2, IP4, T3, TP33</td> <td>153</td> <td>212</td> <td>242</td> <td>25 kg</td> <td>100 kg</td> <td>A</td> <td>40</td>	UN1894	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Phenylmercuric nitrate	6.1 <td>UN1895</td> <td>III</td> <td>6.1</td> <td>IB8, IP2, IP4, T3, TP33</td> <td>153</td> <td>212</td> <td>242</td> <td>100 kg</td> <td>200 kg</td> <td>A</td> <td>40</td>	UN1895	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	200 kg	A	40
Phenyltrichlorosilane	8	UN1804	II	8	A7, B6, N34, T10, TP2, TP7, TP13	None	206	242	25 kg	100 kg	A	40
Phosgene	2.3 <td>UN1076</td> <td>.....</td> <td>2.3, 8</td> <td>1, B7, B46</td> <td>None</td> <td>192</td> <td>314</td> <td>Forbidden</td> <td>Forbidden</td> <td>D</td> <td>40</td>	UN1076	2.3, 8	1, B7, B46	None	192	314	Forbidden	Forbidden	D	40
9-Phosphabicyclonanes or Cyclooctadiene phosphines.	4.2 <td>UN2940</td> <td>II</td> <td>4.2</td> <td>A19, IB6, IP2, T3, TP33</td> <td>None</td> <td>192</td> <td>241</td> <td>15 kg</td> <td>50 kg</td> <td>A</td> <td>40</td>	UN2940	II	4.2	A19, IB6, IP2, T3, TP33	None	192	241	15 kg	50 kg	A	40
Phosphine	2.3 <td>UN2199</td> <td>.....</td> <td>2.3, 2.1</td> <td>1</td> <td>None</td> <td>192</td> <td>245</td> <td>Forbidden</td> <td>Forbidden</td> <td>D</td> <td>40</td>	UN2199	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
Phosphoric acid solution	8	UN1805	III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	40
Phosphoric acid, solid	8	UN3453	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	<i>Phosphoric acid triethylamine</i> , see Tris-(1-aziridinyl)phosphine oxide, solution.												
	<i>Phosphoric anhydride</i> , see Phosphorus pentoxide.												
	Phosphorus acid	8	UN2834	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	48
	Phosphorus, amorphous	4.1	UN1338	III	4.1	A1, A19, B1, B9, B26, IB8, IP3, T1, TP33	None	213	243	25 kg	100 kg	A	74
	<i>Phosphorus bromide</i> , see Phosphorus tribromide.												
	<i>Phosphorus chloride</i> , see Phosphorus trichloride.												
	Phosphorus heptasulfide, free from yellow or white phosphorus.	4.1	UN1339	II	4.1	A20, IB4, N34, T3, TP33	None	212	240	15 kg	50 kg	B	74
	Phosphorus oxybromide	8	UN1939	II	8	B8, IB8, IP2, IP4, N41, N43, T3, TP33	None	212	240	Forbidden	50 kg	C	12, 40
	Phosphorus oxybromide, molten	8	UN2576	II	8	B2, B8, IB1, N41, N43, T7, TP3, TP13	None	202	242	Forbidden	Forbidden	C	40
	Phosphorus oxychloride	8	UN1810	II	8, 6.1	2, B9, B14, B32, B77, N34, T20, TP2, TP38, TP45	None	227	244	Forbidden	Forbidden	C	40
+	Phosphorus pentabromide	8	UN2691	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	Forbidden	50 kg	B	12, 40, 53, 55
	Phosphorus pentachloride	8	UN1806	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	None	212	240	Forbidden	50 kg	C	40, 44, 89, 100, 141
	Phosphorus Pentafluoride	2.3	UN2198		2, 3, 8	2, B9, B14	None	302, 304	314, 315	Forbidden	Forbidden	D	40
	Phosphorus pentasulfide, free from yellow or white phosphorus.	4.3	UN1340	II	4, 3, 4.1	A20, B59, IB4, T3, TP33	151	212	242	15 kg	50 kg	B	74
	Phosphorus pentoxide	8	UN1807	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	
	Phosphorus sesquisulfide, free from yellow or white phosphorus.	4.1	UN1341	II	4.1	A20, IB4, N34, T3, TP33	None	212	240	15 kg	50 kg	B	74
	Phosphorus tribromide	8	UN1808	II	8	A3, A6, A7, B2, B25, IB2, N34, N43, T7, TP2	None	202	242	Forbidden	30 L	C	40
	Phosphorus trichloride	6.1	UN1809	I	6.1, 8	2, B9, B14, B15, B32, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	C	40

Phosphorus trioxide	8 UN2578	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12
Phosphorus trisulfide, free from yellow or white phosphorus.	4.1 UN1343	II	4.1	A20, IB4, N34, T3, TP33	None ..	212	240	15 kg	50 kg	B	74
Phosphorus, white dry or Phosphorus, white, under water or Phosphorus white, in solution or Phosphorus, yellow dry or Phosphorus, yellow, under water or Phosphorus white, molten	4.2 UN1381	I	4.2, 6.1	B9, B26, N34, T9, TP3, TP31	None ..	188	243	Forbidden	Forbidden	E	.....
Phosphorus (white or red) and a chlorate, mixtures of	4.2 UN2447	I	4.2, 6.1	B9, B26, N34, T21, TP3, TP7, TP26	None ..	188	243	Forbidden	Forbidden	D	.....
Phosphoryl chloride, see Phosphorus oxychloride.	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Phthalic anhydride with more than .05 percent maleic anhydride.	8 UN2214	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	.....
Picolines	3 UN2313	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	40
Picric acid, see Trinitrophenol, etc .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Picrite, see Nitroguanidine, etc .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Picryl chloride, see Trinitrochlorobenzene.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pine oil	3 UN1272	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
alpha-Pinene	3 UN2368	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Piperazine	8 UN2579	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 52
Piperidine	8 UN2401	I	8, 3	A10, T10, TP2	None ..	201	243	0.5 L	2.5 L	B	52
Pivaloyl chloride, see Trimethylacetyl chloride.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plastic molding compound in dough, sheet or extruded rope form evaluating flammable vapor.	9 UN3314	III	9	32, IB8, IP3, IP7	155	221	221	100 kg	200 kg	E	19, 21, 25, 87, 144,
Plastic solvent, n.o.s., see Flammable liquids, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plastics, nitrocellulose-based, self-heating, n.o.s.	4.2 UN2006	III	4.2 .....	.....	None ..	213	None	Forbidden	Forbidden	C	.....
Poisonous gases, n.o.s., see Compressed or liquefied gases, flammable or toxic, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Polyalkylamines, n.o.s., see Amines, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Polyamines, flammable, corrosive, n.o.s. see Amines, flammable, corrosive, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Polyamines, liquid, corrosive, n.o.s. see Amines, liquid, corrosive, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Polyamines, liquid, corrosive, flammable, n.o.s. see Amines, liquid, corrosive, flammable, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Polychlorinated biphenyls, liquid	9 UN2315	II	9	9, 81, 140, IB3, T4, TP1	155	202	241	100 L	220 L	A	95

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
														Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Polychlorinated biphenyls, solid	9	UN3432	II	9	9, 81, 140, IB8, IP2, IP4, T3, TP33	155	212	240	100 kg	200 kg	A	95	
	Polyester resin kit	3	UN3269	.....	3	40, 149	152	225	None	5 kg	5 kg	B	.....
	Polyhalogenated biphenyls, liquid or Polyhalogenated biphenyls liquid.	9	UN3151	II	9	IB2	155	204	241	100 L	220 L	A	95	
	Polyhalogenated terphenyls, solid or Polyhalogenated terphenyls, solid.	9	UN3152	II	9	IB8, IP2, IP4, T3, TP33	155	204	241	100 kg	200 kg	A	95	
	Polymeric beads expandable, <i>evolving flammable vapor</i> .	9	UN2211	III	9	32, IB8, IP3, IP7, T1, TP33	155	221	221	100 kg	200 kg	E	19, 21, 25, 87, 144, 52	
	Potassium	4.3	UN2257	I	4.3	A7, A19, A20, B27, IB4, IP1, N6, N34, T9, TP7, TP33	None	211	244	Forbidden	15 kg	D	.....
	Potassium arsenate	6.1	UN1677	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	.....
	Potassium arsenite	6.1	UN1678	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	.....
	<i>Potassium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Potassium borohydride	4.3	UN1870	I	4.3	IB8, IP2, IP4, T3, TP33	None	211	242	Forbidden	15 kg	E	52	
	Potassium bromate	5.1	UN1484	II	5.1 .....	.....	152	212	242	5 kg	25 kg	A	56, 58
	<i>Potassium carbonyl</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Potassium chlorate	5.1	UN1485	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
	Potassium chlorate, aqueous solution	5.1	UN2427	II	5.1	A2, IB2, T4, TP1	152	202	241	1 L	5 L	B	56, 58, 133	
	.....	.....	.....	III	5.1	A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 133
	<i>Potassium chlorate mixed with mineral oil, see Explosive, blasting, type C.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Potassium cuprocyanide	6.1	UN1679	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52	
	Potassium cyanide, solid	6.1	UN1680	I	6.1	B69, B77, IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	B	52	
	.....	.....	.....	I	6.1	B69, B77, N74, N75, T14, TP2, TP13	None	201	243	1 L	30 L	B	52
	Potassium cyanide solution	6.1	UN3413	II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13	153	202	243	5 L	60 L	B	52	
	.....	.....	.....	III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	52

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
														None ...	211 ...	None	Forbidden	15 kg	E	40, 52, 85
	Potassium phosphide	4.3	UN2012	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	40, 52, 85	
	<i>Potassium selenate, see Selenates or Selenites.</i>													
	<i>Potassium selenite, see Selenates or Selenites.</i>													
	Potassium sodium alloys, liquid	4.3	UN1422	I	4.3	A7, A19, B27, N34, N40, T9, TP3, TP7, TP31	None	201	244	Forbidden	1 L	E	40, 52	
	Potassium sodium alloys, solid	4.3	UN3404	I	4.3	A19, B27, N34, N40, T9, TP7, TP33	None	211	244	Forbidden	15 kg	D	52	
	Potassium sulfide, anhydrous or Potassium sulfide with less than 30 percent water of crystallization.	4.2	UN1382	II	4.2	A19, A20, B16, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	A	52	
	Potassium sulfide, hydrated with not less than 30 percent water of crystallization.	8	UN1847	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52	
	Potassium superoxide	5.1	UN2466	I	5.1	A20, IB6, IP1	None	211	None	Forbidden	15 kg	B	13, 52, 66, 75	
	Powder cake, wetted or Powder paste, wetted with not less than 17 percent alcohol by mass.	1.1C	UN0433	II	1.1C		None	62	None	Forbidden	Forbidden	10		
	Powder cake, wetted or Powder paste, wetted with not less than 25 percent water, by mass.	1.3C	UN0159	II	1.3C		None	62	None	Forbidden	Forbidden	10		
	Powder paste, see Powder cake, etc													
	Powder, smokeless	1.1C	UN0160	II	1.1C		None	62	None	Forbidden	Forbidden		26E	
	Powder, smokeless	1.3C	UN0161	II	1.3C		None	62	None	Forbidden	Forbidden		26E	
	Powder, smokeless	1.4C	UN0509		1.4C		None	62	None	Forbidden	Forbidden	06		
	<i>Power device, explosive, see Cartridges, power device.</i>													
	Primers, cap type	1.4S	UN0044	II	None		None	62	None	25 kg	100 kg	05		
	Primers, cap type	1.1B	UN0377	II	1.1B		None	62	None	Forbidden	Forbidden	11		
	Primers, cap type	1.4B	UN0378	II	1.4B		None	62	None	Forbidden	Forbidden	06		
	<i>Primers, small arms, see Primers, cap type.</i>													
	Primers, tubular	1.3G	UN0319	II	1.3G		None	62	None	Forbidden	Forbidden	07		
	Primers, tubular	1.4G	UN0320	II	1.4G		None	62	None	Forbidden	Forbidden	06		
	Primers, tubular	1.4S	UN0376	II	None		None	62	None	25 kg	100 kg	05		

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Propionitrile	3	UN2404	II	3, 6.1	IB2, T7, TP1, TP13	None	202	243	Forbidden	60 L	E	40
	Propionyl chloride	3	UN1815	II	3, 8	IB1, T7, TP1	150	202	243	Forbidden	5 L	B	40
	n-Propyl acetate	3	UN1276	II	3	IB2, T4, TP1	150	202	242	Forbidden	60 L	B	40
	Propyl alcohol, see Propanol												
	n-Propyl benzene	3	UN2364	III	3	B1, IB3, T2, TP1	150	203	242	Forbidden	220 L	A	40
	n-Propyl chloroformate	6.1	UN2740	I	6.1, 3, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	B	21, 40, 100
	Propyl chloride see 1-Chloropropane												
	Propyl formates	3	UN1281	II	3	IB2, T4, TP1	150	202	242	Forbidden	60 L	B	40
	n-Propyl isocyanate	6.1	UN2482	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	Propyl mercaptan, see Propanethiols												
	n-Propyl nitrate	3	UN1865	II	3	IB9	150	202	None	5 L	60 L	D	44, 89, 90, 100
	Propylamine	3	UN1277	II	3, 8	A7, IB2, N34, T7, TP1	150	202	243	1 L	5 L	E	40
	Propylene see also Petroleum gases, liquefied.	2.1	UN1077		2.1	19, T50	306	304	314	Forbidden	150 kg	E	40
	Propylene chlorohydrin	6.1	UN2611	II	6.1, 3	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	A	12, 40, 48
	Propylene oxide	3	UN1280	I	3	A3, N34, T11, TP2, TP7	None	201	243	1 L	30 L	E	40
	Propylene tetramer	3	UN2850	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	1,2-Propylenediamine	8	UN2258	II	8, 3	A3, A6, IB2, N34, T7, TP2	None	202	243	1 L	30 L	A	40
	Propyleneimine, stabilized	3	UN1921	I	3, 6.1	A3, N34, T14, TP2, TP13	None	201	243	1 L	30 L	B	40
	Propyltrichlorosilane	8	UN1816	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40
	Prussic acid, see Hydrogen cyanide												
	Pyrethroid pesticide, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN3350	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Pyrethroid pesticide, liquid toxic	6.1	UN3352	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Pyrethroid pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3351	III	6.1	T14, TP2, TP13, TP27	None	211	242	1 L	30 L	A	40
							153	212	242	5 L	60 L	A	40
							153	213	240	60 L	220 L	A	40
							None	201	243	1 L	30 L	B	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Radioactive material, excepted pack-age-limited quantity of material.	7	UN2910	.....	None		421, 422, 427	421, 422, 427	.....	.....	A	.....
	Radioactive material, low specific ac-tivity (LSA-I) non fissile or fissile-excepted.	7	UN2912	.....	7	A56, T5, TP4, W7	421, 422, 427	421, 422, 427	.....	.....	A	95, 129
	Radioactive material, low specific ac-tivity (LSA-II) non fissile or fissile-excepted.	7	UN3321	.....	7	A56, T5, TP4, W7	421, 422, 428, 428	421, 422, 427	.....	.....	A	95, 129
	Radioactive material, low specific ac-tivity (LSA-III) non fissile or fissile-excepted.	7	UN3322	.....	7	A56, T5, TP4, W7	421, 422, 428, 428	421, 422, 427	.....	.....	A	95, 129
	Radioactive material, surface con-taminated objects (SCO-I or SCO-II) non fissile or fissile-excepted.	7	UN2913	.....	7	A56	421, 422, 428	421, 422, 427	.....	.....	A	95
	Radioactive material, transported under special arrangement, non fissile or fissile excepted.	7	UN2919	.....	7	A56, 139	.....	.....	.....	.....	A	95, 105
	Radioactive material, transported under special arrangement, fissile.	7	UN3331	.....	7	A56, 139	.....	.....	.....	.....	A	95, 105
	Radioactive material, Type A pack-age, fissile non-special form.	7	UN3327	.....	7	A56, W7, W8	453	417	.....	417	A	95, 105, 131
	Radioactive material, Type A pack-age non-special form, non fissile or fissile-excepted.	7	UN2915	.....	7	A56, W7, W8	None	415, 418, 419, 476	.....	415, 418, 419, 476	A	95, 130
	Radioactive material, Type A pack-age, special form non fissile or fissile-excepted.	7	UN3332	.....	7	A56, W7, W8	.....	415, 415, 476	.....	.....	A	95
	Radioactive material, Type A pack-age, special form, fissile.	7	UN3333	.....	7	A56, W7, W8	453	417, 476	.....	417, 476	A	95, 105
	Radioactive material, Type B(M) package, fissile.	7	UN3329	.....	7	A56	453	417	.....	417	A	95, 105
	Radioactive material, Type B(M) package non fissile or fissile-excepted.	7	UN2917	.....	7	A56	.....	416	.....	416	A	95, 105
	Radioactive material, Type B(U) package, fissile.	7	UN3328	.....	7	A56	453	417	.....	417	A	95, 105
	Radioactive material, Type B(U) package non fissile or fissile-excepted.	7	UN2916	.....	7	A56	.....	416	.....	416	A	95, 105

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
D	Refrigerant gases, n.o.s. or Dispersant gases, n.o.s.	2.1	NA1954	2.1	T50	306	304	314, 315, 306	Forbidden	150 kg	D	40	
	Refrigerating machines, containing flammable, non-toxic, liquefied gas.	2.1	UN3358	2.1	306	306	306	Forbidden	Forbidden	D	40	
	Refrigerating machines, containing non-flammable, non-toxic gases, or ammonia solutions (UN2672).	2.2	UN2857	2.2	A53	306, 307	306	306, 307	450 kg	450 kg	A	
	Regulated medical waste, n.o.s. or Clinical waste, unspecified, n.o.s. or (BIO)Medical waste, n.o.s., or Biomedical waste, n.o.s. or Medical waste, n.o.s.	6.2	UN3291	II	6.2	A13	134	197	197	No limit	No limit	B	40	
	Release devices, explosive	1.4S	UN0173	II	1.4S	B52, T11, TP1, TP8, TP28	None	62	None	25 kg	100 kg	05	
	Resin solution, flammable	3	UN1866	I	3	149, B52, IB2, T4, TP1, TP8	150	201	243	1 L	30 L	E	
	II	3	B1, B52, IB3, T2, TP1, IB8, IP3, T1, TP33	150	173	242	5 L	60 L	B	
	Resorcinol	6.1	UN2876	III	3	150	173	242	60 L	220 L	A	
	Rifle grenade, see Grenades, hand or rifle, etc.	III	6.1	153	213	240	100 kg	200 kg	A	
	Rifle powder, see Powder, smokeless (UN 0160).	
Rivets, explosive	1.4S	UN0174	II	1.4S	.....	None	62	None	25 kg	100 kg	05	.....	
Road asphalt or tar liquid, see Tars, liquid, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rocket motors	1.3C	UN0186	II	1.3C	109	None	62	None	Forbidden	220 kg	03	.....	
Rocket motors	1.1C	UN0280	II	1.1C	109	None	62	None	Forbidden	Forbidden	03	.....	
Rocket motors	1.2C	UN0281	II	1.2C	109	None	62	None	Forbidden	Forbidden	03	.....	
Rocket motors, liquid fueled	1.2J	UN0395	II	1.2J	109	None	62	None	Forbidden	Forbidden	04	23E		
Rocket motors, liquid fueled	1.3J	UN0396	II	1.3J	109	None	62	None	Forbidden	Forbidden	04	23E		
Rocket motors with hypergolic liquids with or without an expelling charge.	1.3L	UN0250	II	1.3L	109	None	62	None	Forbidden	Forbidden	08	8E, 14E, 15E		
Rocket motors with hypergolic liquids with or without an expelling charge.	1.2L	UN0322	II	1.2L	109	None	62	None	Forbidden	Forbidden	08	8E, 14E, 15E		
Rockets, line-throwing	1.2G	UN0238	II	1.2G	.....	None	62	None	Forbidden	Forbidden	07	.....	
Rockets, line-throwing	1.3G	UN0240	II	1.3G	.....	None	62	None	Forbidden	75 kg	07	.....	
Rockets, line-throwing	1.4G	UN0453	II	1.4G	.....	None	62	None	Forbidden	75 kg	06	.....	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Selenium disulfide	6.1	UN2657	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	A			
	Selenium hexafluoride	2.3	UN2194	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A			
	Selenium nitride	Forbidden			2,3,8		None	302	None	Forbidden	D		40	
	Selenium oxychloride	8	UN2879	I	8, 6.1	A3, A6, A7, N34, T10, TP2, TP13	None	201	243	0.5 L	E		40	
	<i>Self-defense spray, aerosol, see Aerosols, etc.</i>													
+ A	Self-defense spray, non-pressurized	9	NA3334	III	9	A37	155	203	None	No limit	A			
D	Self-heating liquid, corrosive, inorganic, n.o.s.	4.2	UN3188	II	4.2, 8	IB2	None	202	243	1 L	C			
G	Self-heating liquid, corrosive, organic, n.o.s.	4.2	UN3185	III	4.2, 8	IB2	None	202	241	5 L	C			
							None	202	243	1 L	C			
G	Self-heating liquid, inorganic, n.o.s.	4.2	UN3186	III	4.2, 8	IB2	None	203	241	5 L	C			
							None	202	242	1 L	C			
G	Self-heating liquid, organic, n.o.s.	4.2	UN3183	III	4.2	IB2	None	203	241	5 L	C			
							None	202	241	1 L	C			
G	Self-heating liquid, toxic, inorganic, n.o.s.	4.2	UN3187	III	4.2	IB2	None	203	241	5 L	C			
							None	202	243	1 L	C			
							None	203	241	5 L	C			
G	Self-heating liquid, toxic, organic, n.o.s.	4.2	UN3184	II	4.2	IB2	None	202	243	1 L	C			
							None	203	241	5 L	C			
G	Self-heating solid, corrosive, inorganic, n.o.s.	4.2	UN3192	II	4.2, 8	IB5, IP2, T3, TP33	None	212	242	15 kg	C			
							None	213	242	25 kg	C			
G	Self-heating solid, corrosive, organic, n.o.s.	4.2	UN3126	II	4.2, 8	IB5, IP2, T3, TP33	None	212	242	15 kg	C			
							None	213	242	25 kg	C			
G	Self-heating solid, inorganic, n.o.s.	4.2	UN3190	III	4.2, 8	IB8, IP3, T1, TP33	None	213	242	100 kg	C			
							None	212	241	50 kg	C			
G	Self-heating solid, organic, n.o.s.	4.2	UN3088	III	4.2	IB8, IP3, T1, TP33	None	213	241	25 kg	C			
							None	212	241	15 kg	C			
G	Self-heating solid, oxidizing, n.o.s.	4.2	UN3127	III	4.2	IB8, IP3, T1, TP33	None	213	241	25 kg	C			
							None	214	214	Forbidden	C			

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Signals, distress, ship	1.4S	UN0506		1.4S		None	62	None	25 kg	100 kg	05		
	Signals, highway, see Signal devices, hand						None							
	Signals, railway track, explosive	1.1G	UN0192	II	1.1G		None	62	None	Forbidden	Forbidden	07		
	Signals, railway track, explosive	1.4S	UN0193	II	1.4S		None	62	None	25 kg	100 kg	05		
	Signals, railway track, explosive	1.3G	UN0492		1.3G		None	62	None	Forbidden	Forbidden	07		
	Signals, railway track, explosive	1.4G	UN0493		1.4G		None	62	None	Forbidden	75 kg	06		
	Signals, ship distress, water-activated, see Contrivances, water-activated, etc.						None							
	Signals, smoke	1.1G	UN0196	II	1.1G		None	62	None	Forbidden	Forbidden	07		
	Signals, smoke	1.4G	UN0197	II	1.4G		None	62	None	Forbidden	75 kg	06		
	Signals, smoke	1.2G	UN0313	II	1.2G		None	62	None	Forbidden	Forbidden	07		
	Signals, smoke	1.3G	UN0487	II	1.3G		None	62	None	Forbidden	Forbidden	07		
	Signals, smoke	1.4S	UN0507		1.4S		None	62	None	25 kg	100 kg	05		
	Silane	2.1	UN2203		2.1		None	302	None	Forbidden	Forbidden	E	40, 57, 104	
	Silicofluoric acid, see Fluorosilicic acid.													
	Silicon chloride, see Silicon tetrachloride.													
	Silicon powder, amorphous	4.1	UN1346	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	74	
	Silicon tetrachloride	8	UN1818	II	8	A3, A6, B2, B6, T10, TP2, TP7, TP13	None	202	242	1 L	30 L	C	40	
	Silicon tetrafluoride	2.3	UN1859		2.3, 8	IB8, IP2, IP4, T3, TP33	None	302	None	Forbidden	Forbidden	D	40	
	Silver acetylide (dry)	Forbidden					None							
	Silver arsenite	6.1	UN1683	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
	Silver azide (dry)	Forbidden					None							
	Silver chlorite (dry)	Forbidden					None							
	Silver cyanide	6.1	UN1684	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 52	
	Silver fulminate (dry)	Forbidden					None							
	Silver nitrate	5.1	UN1493	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A		
	Silver oxalate (dry)	Forbidden					None							
	Silver picrate (dry)	Forbidden					None							
	Silver picrate, wetted with not less than 30 percent water, by mass.	4.1	UN1347	I	4.1	23	None	211	None	Forbidden	Forbidden	D	28, 36	
	Sludges, acid	8	UN1906	II	8	A3, A7, B2, IB2, N34, T8, TP2, TP28	None	202	242	Forbidden	30 L	C	14	
	Smokeless powder for small arms (100 pounds or less).	4.1	NA3178	I	4.1	16	None	171	None	Forbidden	7.3 kg	A		

Soda lime with more than 4 percent sodium hydroxide.	8	UN1907	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52.
Sodium	4.3	UN1428	I	4.3	A7, A8, A19, A20, B9, B48, B68, IB4, IP1, N34, T9, TP7, TP33, TP46	None	211	244	Forbidden	15 kg	D	52
Sodium aluminate, solid	8	UN2812	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52.
Sodium aluminate, solution	8	UN1819	III	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52.
Sodium aluminum hydride	4.3	UN2835	II	4.3	IB3, T4, TP1	154	203	241	5 L	60 L	A	52.
Sodium ammonium vanadate	6.1	UN2863	II	6.1	A8, A19, A20, IB4, T3, TP33	151	212	242	Forbidden	50 kg	E	52
Sodium arseniate	6.1	UN2473	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52.
Sodium arsenate	6.1	UN1686	II	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52.
Sodium arsenite, aqueous solutions	6.1	UN1686	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52.
Sodium arsenite, solid	6.1	UN2027	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	52.
Sodium azide	6.1	UN1687	II	6.1	IB3, T4, TP2	153	203	241	60 L	220 L	A	52.
Sodium bifluoride, see Sodium hydrodifluoride.					IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	36, 52, 91
Sodium bisulfite, solution, see Bisulfites, aqueous solutions, n.o.s.					IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52.
Sodium borohydride	4.3	UN1426	I	4.3	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52.
Sodium borohydride and sodium hydroxide solution, with not more than 12 percent sodium borohydride and not more than 40 percent sodium hydroxide by mass.	8	UN3320	II	8	IB8, IP2, IP4	153	212	242	25 kg	100 kg	A	52.
Sodium bromate	5.1	UN1494	III	8	B2, IB3, N34, T4, TP2	154	203	241	5 L	60 L	A	52
Sodium cacodylate	6.1	UN1688	II	5.1	IB6, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Sodium carbonate peroxyhydrate	5.1	UN3378	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13, 48, 75
Sodium chlorate	5.1	UN1495	II	5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 48, 75
Sodium chlorate, aqueous solution	5.1	UN2428	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
Sodium chlorate mixed with dinitrotoluene, see Explosive blasting, type C.					A2, IB2, T4, TP1	152	202	241	1 L	5 L	B	56, 58, 133
Sodium chlorite	5.1	UN1496	III	5.1	A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 133
Sodium chloroacetate	6.1	UN2659	III	6.1	A9, IB8, IP2, IP4, N34, T3, TP33	None	212	242	5 kg	25 kg	A	56, 58
Sodium cuprocyanide, solid	6.1	UN2316	I	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Sodium cuprocyanide, solution	6.1	UN2317	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	52
					T14, TP2, TP13	None	201	243	1 L	30 L	B	40, 52

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Sodium cyanide, solid	6.1	UN1689	I	6.1	B69, B77, IB7, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	B	52
	Sodium cyanide solution	6.1	UN3414	I	6.1	B69, B77, N74, N75, T14, TP2, TP13	None	201	243	1 L	30 L	B	52
				II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	52
				III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	52
	Sodium dichloroisocyanurate or Sodium dichloro-s-triazinetriene, see Dichloroisocyanuric acid etc.												
	Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass	1.3C	UN0234	II	1.3C		None	62	None	Forbidden	Forbidden	10	5E
	Sodium dinitro-o-cresolate, wetted with not less than 10% water, by mass	4.1	UN3369	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	36
	Sodium dinitro-o-cresolate, wetted with not less than 15 percent water, by mass	4.1	UN1348	I	4.1, 6.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36
	Sodium dithionite or Sodium hydro-sulfite	4.2	UN1384	II	4.2	A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	E	13
	Sodium fluoride, solid	6.1	UN1690	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Sodium fluoride solution	6.1	UN3415	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
	Sodium fluoroacetate	6.1	UN2629	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	52
	Sodium fluosilicate	6.1	UN2674	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Sodium hydrate, see Sodium hydroxide, solid												
	Sodium hydride	4.3	UN1427	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	52
	Sodium hydrogendifluoride	8	UN2439	II	8	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	50 kg	A	12, 25, 40, 52
	Sodium hydrosulfide, with less than 25 percent water of crystallization	4.2	UN2318	II	4.2	A7, A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	A	52
	Sodium hydrosulfide with not less than 25 percent water of crystallization	8	UN2949	II	8	A7, IB8, IP2, IP4, T7, TP2	154	212	240	15 kg	50 kg	A	52
	Sodium hydrosulfite, see Sodium dithionite												

Sodium hydroxide, solid	8	UN1823	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
Sodium hydroxide solution	8	UN1824	II	8	B2, IB2, N34, T7, TP2 IB3, N34, T4, TP1	154	202	242	1 L	30 L	A	52
Sodium hypochlorite, solution, see Hypochlorite solutions etc.												
Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.												
Sodium methylate	4.2	UN1431	II	4.2, 8	A7, A19, IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	B	
Sodium methylate solutions in alcohol.	3	UN1289	II	3, 8	IB2, T7, TP1, TP8	150	202	243	1 L	5 L	B	
Sodium monoxide	8	UN1825	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
Sodium nitrate	5.1	UN1498	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
Sodium nitrate and potassium nitrate mixtures.	5.1	UN1499	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Sodium nitrite	5.1	UN1500	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Sodium pentachlorophenate	6.1	UN2567	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Sodium perborate monohydrate	5.1	UN3377	III	5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 48, 75
Sodium perchlorate	5.1	UN1502	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Sodium permanganate	5.1	UN1503	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
Sodium peroxide	5.1	UN1504	I	5.1	A20, IB5, IP1, N34	None	211	None	Forbidden	15 kg	B	13, 52, 66, 75
Sodium peroxoborate, anhydrous	5.1	UN3247	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13, 25
Sodium persulfate	5.1	UN1505	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	58, 145
Sodium phosphide	4.3	UN1432	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	40, 52, 85
Sodium picramate, dry or wetted with less than 20 percent water, by mass.	1.3C	UN0235	II	1.3C		None	62	None	Forbidden	Forbidden	10	5E
Sodium picramate, wetted with not less than 20 percent water, by mass.	4.1	UN1349	I	4.1	23, A8, A19, N41	None	211	None	Forbidden	15 kg	E	28, 36
Sodium picryl peroxide	Forbidden											
Sodium potassium alloys, see Potassium sodium alloys.												
Sodium selenate, see Selenates or Selenites.												
Sodium sulfide, anhydrous or Sodium sulfide with less than 30 percent water of crystallization	4.2	UN1385	II	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	A	52
Sodium sulfide, hydrated with not less than 30 percent water.	8	UN1849	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
Sodium superoxide	5.1	UN2547	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	E	13, 52, 66, 75
Sodium tetranitride	Forbidden											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
G	Solids containing corrosive liquid, n.o.s.	8	UN3244	II	8	49, IB5, T3, TP33	154	212	240	15 kg	50 kg	B	40
G	Solids containing flammable liquid, n.o.s.	4.1	UN3175	II	4.1	47, IB6, IP2, T3, TP33	151	212	240	15 kg	50 kg	B	
G	Solids containing toxic liquid, n.o.s.	6.1	UN3243	II	6.1	48, IB2, T2, TP33	153	212	240	25 kg	100 kg	B	40
	Sounding devices, explosive	1.2F	UN0204	II	1.2F		None	62	None	Forbidden	Forbidden	08	
	Sounding devices, explosive	1.1F	UN0296	II	1.1F		None	62	None	Forbidden	Forbidden	08	
	Sounding devices, explosive	1.1D	UN0374	II	1.1D		None	62	None	Forbidden	Forbidden	07	
	Sounding devices, explosive	1.2D	UN0375	II	1.2D		None	62	None	Forbidden	Forbidden	07	
	<i>Spirits of salt, see Hydrochloric acid</i>												
	<i>Squibs, see Igniters etc</i>												
	Stannic chloride, anhydrous	8	UN1827	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	
	Stannic chloride pentahydrate	8	UN2440	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	Stannic phosphide	4.3	UN1433	I	4.3, 6.1	A19, N40	None	211	242	Forbidden	15 kg	E	40, 52, 85
	<i>Steel swarf, see Ferrous metal borings, etc.</i>												
	Stibine	2.3	UN2676		2.3, 2.1	1	None	304	None	Forbidden	Forbidden	D	40
	<i>Storage batteries, wet, see Batteries, wet etc.</i>												
	Strontium arsenite	6.1	UN1691	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Strontium chlorate	5.1	UN1506	II	5.1	A1, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Strontium nitrate	5.1	UN1507	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Strontium perchlorate	5.1	UN1508	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Strontium peroxide	5.1	UN1509	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	13, 52, 66, 75
	Strontium phosphide	4.3	UN2013	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	40, 52, 85
	Strychnine or Strychnine salts	6.1	UN1692	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
	Strychnic acid, <i>see</i> Trinitroresorcinol, etc.												
G	Styrene monomer, stabilized	3	UN2055	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	8E, 14E, 15E, 17E
	Substances, explosive, n.o.s.	1.1L	UN0357	II	1.1L		None	62	None	Forbidden	Forbidden		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Sulfur dioxide	2.3	UN1079		2.3, 8	3, B14, T50, TP19	None	304	314, 315	Forbidden	Forbidden	D	40	
	<i>Sulfur dioxide solution, see Sulfurous acid</i>													
	Sulfur hexafluoride	2.2	UN1080		2.2		306	304	314, 315	75 kg	150 kg	A		
D	Sulfur, molten	9	NA2448	III	9	30, IB3, T1, TP3	None	213	247	Forbidden	Forbidden	C	61	
I	Sulfur, molten	4.1	UN2448	III	4.1	30, IB1, T1, TP3	None	213	247	Forbidden	Forbidden	C	74	
	Sulfur tetrafluoride	2.3	UN2418	I	2.3, 8	1	None	302	245	Forbidden	Forbidden	D	40, 52	
+	Sulfur trioxide, stabilized	8	UN1829	I	8, 6.1	2, B9, B14, B32, B49, B77, N34, T20, TP4, TP13, TP25, TP26, TP38, TP45	None	227	244	Forbidden	Forbidden	A	40	
	<i>Sulfuretted hydrogen, see Hydrogen sulfide</i>													
	Sulfuric acid, fuming with less than 30 percent free sulfur trioxide	8	UN1831	I	8	A3, A7, N34, T20, TP2, TP13	None	201	243	Forbidden	2.5 L	C	14, 40	
	Sulfuric acid, fuming with 30 percent or more free sulfur trioxide	8	UN1831	I	8, 6.1	2, B9, B14, B32, B74, B77, B84, N34, T20, TP2, TP13	None	227	244	Forbidden	Forbidden	C	14, 40	
	Sulfuric acid, spent	8	UN1832	II	8	A3, A7, B2, B83, B84, IB2, N34, T8, TP2	None	202	242	Forbidden	30 L	C	14	
	Sulfuric acid with more than 51 percent acid	8	UN1830	II	8	A3, A7, B3, B83, B84, IB2, N34, T8, TP2	154	202	242	1 L	30 L	C	14	
	Sulfuric acid with not more than 51% acid	8	UN2796	II	8	A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	202	242	1 L	30 L	B		
	Sulfuric and hydrofluoric acid mixtures, see Hydrofluoric and sulfuric acid mixtures													
	Sulfuric anhydride, see Sulfur trioxide, stabilized													
+	Sulfurous acid	8	UN1833	II	8	B3, IB2, T7, TP2	154	202	242	1 L	30 L	B	40	
	Sulfurous acid	8	UN1834	I	8, 6.1	1, B6, B9, B10, B14, B30, B77, N34, T22, TP2, TP38, TP44	None	226	244	Forbidden	Forbidden	C	40	
	Sulfuryl fluoride	2.3	UN2191		2.3	4	None	304	314, 315	Forbidden	Forbidden	D	40	
	Tars, liquid including road asphalt and oils, bitumen and cut backs	3	UN1999	II	3	149, B13, IB2, T3, TP3, TP29	150	202	242	5 L	60 L	B		
				III	3	B1, B13, IB3, T1, TP3	150	203	242	60 L	220 L	A		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identifi-cation Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	<i>Tetramethylene dicarbamide</i>	Forbidden											
	Tetramethylsilane	3	UN2749	I	3	A7, T14, TP2	None	201	243	Forbidden	30 L	D	
	Tetranitroglycerin	Forbidden					None			Forbidden			
	Tetranitroethylene	1.1D	UN0207	II	1.1D		None	62	None	Forbidden		10	
	Tetranitromethane	5.1	UN1510	I	5.1, 6.1	2, B32, T20, TP2, TP13, TP38, TP44	None	227	None	Forbidden		D	40, 66
	2,3,4,6-Tetranitrophenol	Forbidden											
	2,3,4,6-Tetranitrophenyl methyl nitra-mine	Forbidden											
	2,3,4,6-Tetranitrophenylnitramine	Forbidden											
	Tetranitrosocinol (dry)	Forbidden											
	2,3,5,6-Tetranitroso-1,4-dinitrobenzene	Forbidden											
	2,3,5,6-Tetranitroso nitrobenzene (dry)	Forbidden											
	Tetrapropylorthoitanate	3	UN2413	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Tetrazene, see Guan-yl nitrosaminoguanyltetrazene.												
	Tetrazine (dry)	Forbidden											
	Tetrazol-1-acetic acid	1.4C	UN0407	II	1.4C		None	62	None	Forbidden	75 kg	09	
	1H-Tetrazole	1.1D	UN0504		1.1D		None	62	None	Forbidden	Forbidden	B	1E, 5E
	Tetrazolyl azide (dry)	Forbidden											
	Tearyl, see Trinitrophenylmethylnitramine.												
A I	Textile waste, wet	4.2	UN1857	III	4.2		151	213	240	Forbidden	Forbidden	A	
W	Thallium chlorate	5.1	UN2573	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Thallium compounds, n.o.s.	6.1	UN1707	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Thallium nitrate	6.1	UN2727	II	6.1, 5.1	IB6, IP2, T3, TP33	153	212	242	5 kg	25 kg	A	
	4-Thiapentanal	6.1	UN2785	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	D	25, 49
	Thioacetic acid	3	UN2436	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Thiocarbamate pesticide, liquid, flamm-able, toxic, flash point less than 23 degrees C.	3	UN2772	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
				II	3, 6.1	IB2, T11, TP13, TP27	150	202	243	1 L	60 L	B	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Titanium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns.	4.1	UN1352	II	4.1	A19, A20, IB6, IP2, N34, T3, TP33	None ...	212 ...	240 ...	15 kg	50 kg	E	74	
	Titanium sponge granules or Titanium sponge powders.	4.1	UN2878	III	4.1	A1, IB8, IP3, T1, TP33	None ...	213 ...	240 ...	25 kg	100 kg	D	74	
+	Titanium tetrachloride	8	UN1838	II	8, 6.1	2, B7, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	C	40	
	Titanium trichloride mixtures	8	UN2869	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212 ...	240 ...	15 kg	50 kg	A	40	
	.....			III	8	A7, IB8, IP3, N34, T1, TP33	154	213 ...	240 ...	25 kg	100 kg	A	40
	Titanium trichloride, pyrophoric or Titanium trichloride mixtures, TNT, mixed with aluminum, see Tritonal.	4.2	UN2441	I	4.2, 8	N34	None ...	181 ...	244 ...	Forbidden	Forbidden	D	40	
	TNT, see Trinitrotoluene, etc													
	Toluene	3	UN1294	II	3	IB2, T4, TP1	150	202 ...	242 ...	5 L	60 L	B		
+	Toluene diisocyanate	6.1	UN2078	II	6.1	IB2, T7, TP2, TP13	153	202 ...	243 ...	5 L	60 L	D	25, 40	
	Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc.													
+	Toluidines, liquid	6.1	UN1708	II	6.1	IB2, T7, TP2	153	202 ...	243 ...	5 L	60 L	A		
	Toluidines, solid	6.1	UN3451	II	6.1	IB8, IP2, IP4, T3, TP33	153	212 ...	242 ...	25 kg	100 kg	A		
	2,4-Toluylenediamine, solid or 2,4-Toluenediamine, solid.	6.1	UN1709	III	6.1	IB8, IP3, T1, TP33	153	213 ...	240 ...	100 kg	200 kg	A		
	2,4-Toluylenediamine solution or 2,4-Toluenediamine solution.	6.1	UN3418	III	6.1	IB3, T4, TP1	153	203 ...	241 ...	60 L	220 L	A		
	Torpedoes, liquid fueled, with inert head.	1.3J	UN0450	II	1.3J ...			62	None	Forbidden	Forbidden	04	23E	
	Torpedoes, liquid fueled, with or without bursting charge.	1.1J	UN0449	II	1.1J ...			62	None	Forbidden	Forbidden	04	23E	
	Torpedoes with bursting charge	1.1E	UN0329	II	1.1E ...			62	None	Forbidden	Forbidden	03		
	Torpedoes with bursting charge	1.1F	UN0330	II	1.1F ...			62	None	Forbidden	Forbidden	08		
	Torpedoes with bursting charge	1.1D	UN0451	II	1.1D ..			62	None	Forbidden	Forbidden	03		

G	Toxic by inhalation liquid, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50.	6.1	UN3381	I	6.1, 6.1, 3	1, B9, B14, B30, T2, TP2, TP13, TP27, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	40
G	Toxic by inhalation liquid, n.o.s. with an inhalation toxicity lower than or equal to 1000ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50.	6.1	UN3382	I	6.1, 6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	40
G	Toxic by inhalation liquid, flammable, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50.	6.1	UN3383	I	6.1, 3	1, B9, B14, B30, T2, TP2, TP13, TP27, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	40
G	Toxic by inhalation liquid, flammable, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50.	6.1	UN3384	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	40
G	Toxic by inhalation liquid, water-reactive, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50.	6.1	UN3385	I	6.1, 4.3	1, B9, B14, B30, T2, TP2, TP13, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	40
G	Toxic by inhalation liquid, water-reactive, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50.	6.1	UN3386	I	6.1, 4.3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None ...	227 ...	244 ...	Forbidden	Forbidden	40
G	Toxic by inhalation liquid, oxidizing, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50.	6.1	UN3387	I	6.1, 5.1	1, B9, B14, B30, T2, TP2, TP13, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	40
G	Toxic by inhalation liquid, oxidizing, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50.	6.1	UN3388	I	6.1, 5.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None ...	227 ...	244 ...	Forbidden	Forbidden	40
G	Toxic by inhalation liquid, corrosive, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50.	6.1	UN3389	I	6.1, 8	1, B9, B14, B30, T2, TP2, TP13, TP27, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
G	Toxic by inhalation liquid, corrosive, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50.	6.1	UN3390	I	6.1, 8	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40
G	Toxic liquid, corrosive, inorganic, n.o.s.	6.1	UN3289	I	6.1, 8	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	0.5 L	2.5 L	A	.....
G	Toxic liquid, inorganic, n.o.s.	6.1	UN3287	II	6.1, 8	IB2, T11, TP2, TP27	153 ...	202 ...	243 ...	1 L	30 L	A	.....
G	Toxic liquids, inorganic, n.o.s.	6.1	UN3287	II	6.1, 8	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	1 L	30 L	A	.....
G	Toxic liquids, inorganic, n.o.s.	6.1	UN3287	II	6.1, 8	IB2, T11, TP2, TP27	153 ...	202 ...	243 ...	5 L	60 L	A	.....
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	III	6.1, 8	IB3, T7, TP1, TP28	153 ...	203 ...	241 ...	60 L	220 L	A	.....
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	I	6.1, 8	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	0.5 L	2.5 L	B	40
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	II	6.1, 8	IB2, T11, TP2, TP27	153 ...	202 ...	243 ...	1 L	30 L	B	40
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	I	6.1, 3	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	1 L	30 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153 ...	202 ...	243 ...	5 L	60 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	I	6.1, 8	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	1 L	30 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	II	6.1, 8	IB2, T11, TP2, TP13, TP27	153 ...	202 ...	243 ...	5 L	60 L	B	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	III	6.1, 8	IB3, T7, TP1, TP28	153 ...	203 ...	241 ...	60 L	220 L	A	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	I	6.1, 8	A4	None ...	201 ...	243 ...	Forbidden	2.5 L	C	.....
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	I	5.1, 6.1, 8	IB2	153 ...	202 ...	243 ...	1 L	5 L	C	.....
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	I	5.1, 6.1, 8	A4	None ...	201 ...	243 ...	Forbidden	1 L	E	40
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	II	6.1, 8	IB2	None ...	202 ...	243 ...	1 L	5 L	E	40
G	Toxic solid, corrosive, inorganic, n.o.s.	6.1	UN3290	I	6.1, 8	IB7, T6, TP33	None ...	211 ...	242 ...	1 kg	25 kg	A	.....
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB6, IP2, T3, TP33	153 ...	212 ...	242 ...	15 kg	50 kg	A	.....
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB7, T6, TP33	None ...	211 ...	242 ...	5 kg	50 kg	A	.....
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB8, IP2, IP4, T3, TP33	153 ...	212 ...	242 ...	25 kg	100 kg	A	.....
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	III	6.1, 8	IB8, IP3, T1, TP33	153 ...	213 ...	240 ...	100 kg	200 kg	A	.....
G	Toxic solid, corrosive, organic, n.o.s.	6.1	UN2928	I	6.1, 8	IB7, T6, TP33	None ...	211 ...	242 ...	1 kg	25 kg	B	40
G	Toxic solid, corrosive, organic, n.o.s.	6.1	UN2928	II	6.1, 8	IB6, IP2, T3, TP33	153 ...	212 ...	242 ...	15 kg	50 kg	B	40

G	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	I	6.1, 4.1	IB6, T6, TP33	None	211	242	1 kg	15 kg	B	40
				II	6.1, 4.1	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	B	40
G	Toxic solids, organic, n.o.s.	6.1	UN2811	I	6.1	IB7, T6, TP33	None	211	242	5 kg	50 kg	B	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40
G	Toxic solids, oxidizing, n.o.s.	6.1	UN3086	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
				I	6.1	T6, TP33	None	211	242	1 kg	15 kg	C	40
				II	5.1	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	C	40
G	Toxic solids, self-heating, n.o.s.	6.1	UN3124	I	5.1	A5, T6, TP33	None	211	242	5 kg	15 kg	D	40
				II	6.1	IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	D	40
G	Toxic solids, water-reactive, n.o.s.	6.1	UN3125	I	6.1	A5, T6, TP33	None	211	242	5 kg	15 kg	D	40
				II	4.3	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	D	40
				III	4.3	141, IB7, IP1, T6, TP33	None	211	243	5 kg	50 kg	B	40
G	Toxins, extracted from living sources, liquid, n.o.s.	6.1	UN3172	I	6.1	141	None	201	243	1 L	30 L	B	40
				II	6.1	141, IB2	None	202	243	5 L	60 L	B	40
				III	6.1	141, IB3	153	203	241	220 L	220 L	B	40
G	Toxins, extracted from living sources, solid, n.o.s.	6.1	UN3462	I	6.1	141, IB7, IP1, T6, TP33	None	211	243	5 kg	50 kg	B	40
				II	6.1	141, IB8, IP2, IP4, T3, TP33	None	212	243	25 kg	100 kg	B	40
D	Toy Caps	1.4S	NA0337	III	6.1	141, IB8, IP3, T1, TP33	153	213	241	100 kg	200 kg	A	40
	Tracers for ammunition	1.3G	UN0212	II	1.4S		None	62	None	25 kg	100 kg	05	40
	Tracers for ammunition	1.4G	UN0306	II	1.4G		None	62	None	Forbiddn	Forbiddn	07	40
	Tractors, see Vehicle, etc			II			None	62	None	Forbiddn	75 kg	06	40
	Tri-(<i>n</i> -nitroxyethyl) ammonium nitrate	Forbiddn											
	Triallyl borate	6.1	UN2609	III	6.1	IB3	153	203	241	60 L	220 L	A	13
	Triallylamine	3	UN2610	III	3, 8	B1, IB3, T4, TP1	None	203	242	5 L	60 L	A	40
	Triazine pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2764	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbiddn	30 L	B	40
				II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
				I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
				I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1, 3	IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
	Triazine pesticides, solid, toxic	6.1	UN2763	I	6.1	IB7, IP1, T6, TP33	None	211	242	50 kg	A	40		
	.....			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A	40	
	.....			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	A	40	
	Triethylamine	6.1	UN2542	II	6.1	IB2, T7, TP2	153	202	243	5 L	A	.....	
	Triethylamine	4.2	UN3254	I	4.2	T21, TP7, TP33	None	211	242	Forbidden	D	136		
	Trichloro-s-triazinetrone, dry, with more than 39 percent available chlorine, see Trichloroisocyanuric acid, dry.													
	Trichloroacetic acid	8	UN1839	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	A	.....	
	Trichloroacetic acid, solution	8	UN2564	II	8	A3, A6, A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	B	.....	
	.....			III	8	A3, A6, A7, IB3, N34, T4, TP1	154	203	241	5 L	B	8	
	Trichloroacetyl chloride	8	UN2442	II	8, 6.1	2, B9, B14, B32, N34, T20, TP2, TP38, TP45	None	227	244	Forbidden	D	40		
	Trichlorobenzenes, liquid	6.1	UN2321	III	6.1	IB3, T4, TP1	153	203	241	60 L	A	.....	
	Trichlorobutene	6.1	UN2322	II	6.1	IB2, T7, TP2	153	202	243	5 L	A	25, 40		
	1,1,1-Trichloroethane	6.1	UN2831	III	6.1	IB3, N36, T4, TP1	153	203	241	60 L	A	40		
	Trichloroethylene	6.1	UN1710	III	6.1	IB3, N36, T4, TP1	153	203	241	220 L	A	40		
	Trichloroisocyanuric acid, dry	5.1	UN2468	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	A	13		
	Trichloromethyl perchlorate	Forbidden												
	Trichlorosilane	4.3	UN1295	I	4.3, 3, 8	N34, T14, TP2, TP7, TP13	None	201	244	Forbidden	D	21, 28, 40, 49, 100		
	Tricresyl phosphate with more than 3 percent ortho isomer.	6.1	UN2574	II	6.1	A3, IB2, N33, N34, T7, TP2	153	202	243	5 L	A	.....	
	Triethyl phosphite	3	UN2323	III	3	B1, IB3, T2, TP1	150	203	242	60 L	A	.....	
	Triethylamine	3	UN1296	II	3, 8	IB2, T7, TP1	150	202	243	1 L	B	40		
	Triethylenetetramine	8	UN2259	II	8	B2, IB2, T7, TP2	154	202	242	1 L	B	40, 52		
	Trifluoroacetic acid	8	UN2699	I	8	A3, A6, A7, B4, N3, N34, N36, T10, TP2	None	201	243	0.5 L	B	12, 40		
	Trifluoroacetyl chloride	2.3	UN3057	.....	2.3, 8	2, B7, B9, B14, T50, TP21	None	304	314, 315	Forbidden	D	40	
	Trifluorochloroethylene, stabilized	2.3	UN1082	.....	2.3, 2.1	3, B14, T50	None	304	314, 315	Forbidden	D	40	
	Trifluoromethane or Refrigerant gas R 23.	2.2	UN1984	.....	2.2		306	304	75 kg	150 kg	A	.....	

UN number	Proper shipping name	Class	Division	Subdivision	Label	Quantity	Special provisions	Quantity	Special provisions	Quantity	Special provisions	Quantity	Special provisions
UN3136	Trifluoromethane, refrigerated liquid	2.2				306	T75, TP5	314, 315	500 kg	D	40		
UN2035	1,1,1-Trifluoroethane or Refrigerant gas, R 143a.	2.1				306	T50	314, 315	150 kg	B	40		
UN2942	2-Trifluoromethylamine	6.1			III	153	IB3	241	220 L	A			
UN2948	3-Trifluoromethylamine	6.1			II	153	IB2, T7, TP2	243	60 L	A			
	Trifluoromethane trinitrate	Forbidden							5 L	A			
UN2324	Trisobutylene	3			III	150	B1, IB3, T4, TP1	242	60 L	A			
UN2616	Trisopropyl borate	3			III	150	B2, T4, TP1	242	5 L	A			
					III	150	B1, IB3, T2, TP1	242	60 L	A			
NA9269	Trimethoxysilane	6.1			I	None	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	244	Forbidden	E	40		
UN2416	Trimethyl borate	3			II	150	IB2, T7, TP1	242	5 L	B			
UN2329	Trimethyl phosphite	3			III	150	B1, IB3, T2, TP1	242	60 L	A			
	1,3,5-Trimethyl-2,4,6-trinitrobenzene	Forbidden							Forbidden	D	25, 40		
UN2438	Trimethylacetyl chloride	6.1			I	None	2, B3, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	244	Forbidden	D	25, 40		
UN1083	Trimethylamine, anhydrous	2.1				306	N87, T50	314, 315	150 kg	B	40		
UN1297	Trimethylamine, aqueous solutions with not more than 50 percent trimethylamine by mass.	3			I	None	T11, TP1	243	0.5 L	D	40, 135		
									1 L	B	40, 41		
					III	150	B1, IB3, T7, TP1	243	5 L	B	40, 41		
					III	150	B1, IB3, T7, TP1	242	5 L	A	40, 41		
UN2325	1,3,3-Trimethylbenzene	3			III	150	B1, IB3, T2, TP1	242	60 L	A			
UN1298	Trimethylchlorosilane	3			II	None	A3, A7, B77, N34, T10, TP2, TP7, TP13	243	1 L	E	40		
UN2326	Trimethylcyclohexylamine	8			III	154	IB3, T4, TP1	241	5 L	A			
	Trimethylene glycol dipchlorate	Forbidden							60 L	B			
UN2328	Trimethylhexamethylene diisocyanate	6.1			III	153	IB3, T4, TP2, TP13	241	220 L	B			
UN2327	Trimethylhexamethylenediamines	8			III	154	IB3, T4, TP1	241	5 L	A			
	Trimethyl nitromethane trinitrate	Forbidden							Forbidden	10			
UN0216	Trinitro-meta-cresol	1.1D			II	None		None	Forbidden	10			
	2,4,6-Trinitro-1,3-diazobenzene	Forbidden											
	2,4,6-Trinitro-1,3,5-triazido benzene (dry).	Forbidden											
	Trinitroacetic acid	Forbidden											
	Trinitroacetone	Forbidden											
	Trinitroacetone	Forbidden											
	Trinitroamine cobalt	Forbidden											
UN0153	Trinitroaniline or Picramide	1.1D			II	None		None	Forbidden	10			
UN0213	Trinitroanisole	1.1D			II	None		None	Forbidden	10			
UN3367	Trinitrobenzene, wetted, with not less than 10% water, by mass.	4.1			I	None	162, A8, A19, N41, N84	None	0.5 kg	E	36		
	Trinitrobenzene, dry or wetted with less than 30 percent water, by mass.	1.1D			II	None		None	Forbidden	10			
UN0214	Trinitrobenzene, wetted with not less than 30 percent water, by mass.	4.1			I	None	23, A2, A8, A19, N41	None	0.5 kg	E	28		
UN1354	Trinitrobenzene, wetted with not less than 30 percent water, by mass.	4.1			I	None		None	Forbidden	10			
UN0386	Trinitrobenzenesulfonic acid	1.1D			II	None		None	Forbidden	10			

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Trinitrobenzoic acid, dry or wetted with less than 30 percent water, by mass.	1.1D	UN0215	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	.....
	Trinitrobenzoic acid, wetted with not less than 10% water by mass.	4.1	UN3368	I	4.1	162, A8, A19, N41, N84	None ..	211 ..	None	0.5 kg	0.5 kg	E	36
	Trinitrobenzoic acid, wetted with not less than 30 percent water, by mass.	4.1	UN1355	I	4.1	23, A2, A8, A19, N41	None ..	211 ..	None	0.5 kg	0.5 kg	E	28
	Trinitrochlorobenzene or Picyl chloride.	1.1D	UN0155	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	.....
	Trinitrochlorobenzene (picyl chloride), wetted, with not less than 10% water by mass.	4.1	UN3365	I	4.1	162, A8, A19, N41, N84	None ..	211 ..	None	0.5 kg	0.5 kg	E	36
	Trinitroethanol	Forbidden			.....		.....	.....	.....	.....	.....	.....	.....
	Trinitroethylnitrate	Forbidden			.....		.....	.....	.....	.....	.....	.....	.....
	Trinitrofluorene	1.1D	UN0387	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	.....
	Trinitromethane	Forbidden			.....		.....	.....	.....	.....	.....	.....	.....
	1,3,5-Trinitronaphthalene	Forbidden			.....		.....	.....	.....	.....	.....	.....	.....
	Trinitronaphthalene	1.1D	UN0217	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	.....
	Trinitrophenole	1.1D	UN0218	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	.....
	Trinitrophenol (picric acid), wetted, with not less than 10 percent water by mass.	4.1	UN3364	I	4.1	162, A8, A19, N41, N84	None ..	211 ..	None	0.5 kg	0.5 kg	E	36
	Trinitrophenol or Picric acid, dry or wetted with less than 30 percent water, by mass.	1.1D	UN0154	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	5E
	Trinitrophenol, wetted or Picric acid, wetted, with not less than 30 percent water by mass.	4.1	UN1344	I	4.1	23, A8, A19, N41	None ..	211 ..	None	1 kg	15 kg	E	28, 36
	2,4,6-Trinitrophenyl guanidine (dry) ..	Forbidden			.....		.....	.....	.....	.....	.....	.....	.....
	2,4,6-Trinitrophenyl nitramine	Forbidden			.....		.....	.....	.....	.....	.....	.....	.....
	2,4,6-Trinitrophenyl trimethylol methyl nitramine trinitrate (dry).	Forbidden			.....		.....	.....	.....	.....	.....	.....	.....
	Trinitrophenylmethylnitramine or Tet-yl.	1.1D	UN0208	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	.....
	Trinitroresorcinol or Styphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass.	1.1D	UN0219	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	5E

	1.1D	UN0394	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	5E
Tritiroresorcinol, wetted or Styphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water by mass.	Forbidden											
2,4,6-Trinitroso-3-methyl nitraminoanisole.	Forbidden											
Tritiroletramine cobalt nitrate	Forbidden											
Tritirolozene and Tritirobenzene mixtures or TNT and trinitrobenzene mixtures or TNT and hexanitrosilbene mixtures or Tritirolozene hexanitrosilbene mixtures.	1.1D	UN0388	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	
Tritirolozene mixtures containing Tritirobenzene and Hexanitrosilbene or TNT mixtures containing tritirobenzene and hexanitrosilbene.	1.1D	UN0209	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	
Tritirolozene or TNT, dry or wetted with less than 30 percent water, by mass.	4.1	UN3366	I	4.1	162, A8, A19, N41, N84	None ..	211	None	0.5 kg	0.5 kg	E	36
Tritirolozene (TNT), wetted, with not less than 10 percent water by mass.	4.1	UN1356	I	4.1	23, A2, A8, A19, N41	None ..	211	None	0.5 kg	0.5 kg	E	28, 36
Tritirolozene, wetted or TNT, wetted, with not less than 30 percent water by mass.	3	UN2260	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	5 L	A	40
Tripopylamine	3	UN2057	III	3	IB2, T4, TP1	150	202	242	5 L	5 L	B	
Tripopylene	6.1	UN2501	III	6.1	B1, IB3, T2, TP1	150	203	242	5 L	5 L	A	
Tris-(1-aziridinyl)phosphine oxide, solution.	Forbidden		III	6.1	IB2, T7, TP2	153	202	243			A	
Tris, bis-bifluoroamino diethoxy propane (TVOFA).	Forbidden				IB3, T4, TP1	153	203	241	60 L	60 L	A	
Tritonal	1.1D	UN0390	II	1.1D ..		None ..	62	None	Forbidden	Forbidden	10	
Tungsten hexafluoride	2.3	UN2196	III	2.3, 8	2, N86	None ..	338	None	Forbidden	Forbidden	D	40
Turpentine	3	UN1299	I	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Turpentine substitute	3	UN1300	I	3	T11, TP1, TP8, TP27	None ..	201	243	1 L	30 L	B	
			II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
			III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Undecane	3	UN2330	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Urea	5.1	UN1511	III	5.1, 8	A1, A7, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13
Urea hydrogen peroxide						None ..	62	None	Forbidden	Forbidden	10	
Urea nitrate, dry or wetted with less than 20 percent water, by mass.	4.1	UN3370	I	4.1	162, A8, A19, N41, N84	None ..	211	None	0.5 kg	0.5 kg	E	36
Urea nitrate, wetted, with not less than 10 percent water by mass.	4.1	UN1357	I	4.1	23, 39, A8, A19, N41	None ..	211	None	1 kg	15 kg	E	28, 36
Urea nitrate, wetted with not less than 20 percent water, by mass.												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	<i>Urea peroxide, see Urea hydrogen peroxide.</i>												
	Valeraldehyde	3	UN2058	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Valeric acid, see Corrosive liquids, n.o.s.												
	Valeryl chloride	8	UN2502	II	8, 3	A3, A6, A7, B2, IB2, N34, T7, TP2	154	202	243	1 L	30 L	C	40
	Vanadium compound, n.o.s.	6.1	UN3285	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Vanadium oxytrichloride	8	UN2443	II	8	A3, A6, A7, B2, B16, IB2, N34, T7, TP2	154	202	242	Forbidden	30 L	C	40
	Vanadium pentoxide, non-fused form	6.1	UN2862	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	Vanadium tetrachloride	8	UN2444	I	8	A3, A6, A7, B4, N34, T10, TP2	None	201	243	Forbidden	2.5 L	C	40
	Vanadium trichloride	8	UN2475	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40
	Vanadyl sulfate	6.1	UN2931	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Vehicle, flammable gas powered	9	UN3166	9		135, 157	220	220	220	Forbidden	No limit	A	
	Vehicle, flammable liquid powered	9	UN3166	9		135, 157	220	220	220	No limit	No limit	A	
	Very signal cartridge, see Cartridges, signal.												
	Vinyl acetate, stabilized	3	UN1301	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Vinyl bromide, stabilized	2.1	UN1085		2.1	N86, T50	306	304	314, 315	Forbidden	150 kg	B	40
	Vinyl butyrate, stabilized	3	UN2838	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Vinyl chloride, stabilized	2.1	UN1086		2.1	21, B44, N86, T50	306	304	314, 315	Forbidden	150 kg	B	40
	Vinyl chloroacetate	6.1	UN2589	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Vinyl ethyl ether, stabilized	3	UN1302	I	3	A3, T11, TP2	None	201	243	1 L	30 L	D	
	Vinyl fluoride, stabilized	2.1	UN1860		2.1	N86	306	304	314, 315	Forbidden	150 kg	E	40
	Vinyl isobutyl ether, stabilized	3	UN1304	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Vinyl methyl ether, stabilized	2.1	UN1087		2.1	B44, T50	306	304	314, 315	Forbidden	150 kg	B	40
	Vinyl nitrate polymer	Forbidden											
	Vinylidene chloride, stabilized	3	UN1303	I	3	T12, TP2, TP7	150	201	243	1 L	30 L	E	40
	Vinylpyridines, stabilized	6.1	UN3073	II	6.1, 3, 8	IB1, T7, TP2, TP13	153	202	243	1 L	30 L	B	21, 40, 52
	Vinyltoluenes, stabilized	3	UN2618	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
G	Water-reactive solid, toxic, n.o.s.	4.3	UN3134	I	4.3, 6.1.	A8, IB4, IP1, N40	None	211	242	Forbidden	15 kg	D	.....
							151	212	242	15 kg	E	85		
							151	213	241	25 kg	E	85		
I	<i>Wheel chair, electric, see Battery powered vehicle or Battery powered equipment.</i> White acid, <i>see</i> Hydrofluoric acid White asbestos (<i>chrysotile, actinolite, anthophyllite, tremolite</i>). Wood preservatives, liquid	9	UN2590	III	9	156, IB8, IP2, IP3, T1, TP33	155	216	240	200 kg	200 kg	A	34, 40	
							150	202	242	5 L	60 L	B	.....
							150	203	242	60 L	220 L	A	40	
A | W	Wool waste, wet	4.2	UN1387	III	4.2	B1, IB3, T2, TP1	151	213	240	Forbidden	Forbidden	A	.....
							None	212	241	15 kg	50 kg	D	40	
							None	213	241	25 kg	100 kg	D	40	
Xenon, compressed	2.2	UN2036	2.2	2.2	2.2	.....	306	302	None	75 kg	150 kg	A	.....
							307	None	None	50 kg	500 kg	B	.....
							320	None	None	5 L	60 L	B	.....
Xenon, refrigerated liquid (<i>cryogenic liquids</i>).	2.2	UN2591	2.2	2.2	2.2	T75, TP5	None	None	None	None	None	.....	
							150	202	242	5 L	60 L	B	.....
							150	203	242	20 L	220 L	A	.....
Xylenes	3	UN1307	III	3	3	B1, IB3, T2, TP1	150	202	242	25 kg	100 kg	A	.....
							153	202	242	5 L	60 L	A	.....
							153	202	243	5 L	60 L	A	.....
Xylenols, solid	6.1	UN2261	II	6.1	6.1	IB2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	.....
							153	202	243	5 L	60 L	A	.....
							153	202	243	5 L	60 L	A	.....
Xylenols, liquid	6.1	UN3430	II	6.1	6.1	IB2, T7, TP2	153	202	243	25 kg	100 kg	A	.....
							153	202	243	5 L	60 L	A	.....
							153	202	243	5 L	60 L	A	.....
Xylidines, liquid	6.1	UN1711	II	6.1	6.1	A3, A6, A7, IB2, N33	153	212	242	25 kg	100 kg	A	.....
							153	212	242	25 kg	100 kg	A	.....
							153	212	242	25 kg	100 kg	A	.....
Xylidines, solid	6.1	UN3452	II	6.1	6.1	T7, TP2, TP13	153	212	242	25 kg	100 kg	A	.....
							153	212	242	25 kg	100 kg	A	.....
							153	212	242	25 kg	100 kg	A	.....
Xylol bromide, liquid	6.1	UN1701	II	6.1	6.1	A3, A6, A7, IB8, IP2, IP4, N33, T3, TP33	153	212	242	25 kg	100 kg	A	.....
							153	212	242	25 kg	100 kg	A	.....
							153	212	242	25 kg	100 kg	A	.....
Xylol bromide, solid	6.1	UN3417	II	6.1	6.1	A3, A6, A7, IB8, IP2, IP4, N33, T3, TP33	153	212	242	25 kg	100 kg	A	.....
							153	212	242	25 kg	100 kg	A	.....
							153	212	242	25 kg	100 kg	A	.....
p-Xylol diazide	Forbidden	.....	.....	.....	.....	.....	None	None	None	None	None	.....	
							None	None	None	None	None	None	.....
							None	None	None	None	None	None	.....
Zinc ammonium nitrite	5.1	UN1512	II	5.1	5.1	IB8, IP2, IP4, T3, TP33	153	212	242	5 kg	25 kg	E	.....
							153	212	242	5 kg	25 kg	E	.....
							153	212	242	5 kg	25 kg	E	.....
Zinc arsenate or Zinc arsenite or Zinc arsenate and zinc arsenite mixtures.	6.1	UN1712	II	6.1	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	.....
							153	212	242	25 kg	100 kg	A	.....
							153	212	242	25 kg	100 kg	A	.....
Zinc ashes	4.3	UN1435	III	4.3	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	.....
							151	213	241	25 kg	100 kg	A	.....
							151	213	241	25 kg	100 kg	A	.....

Zinc bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.	5.1	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
Zinc bromate	5.1	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Zinc chlorate	8	III	8	IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	
Zinc chloride, anhydrous	8	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
Zinc chloride, solution	6.1	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	52
Zinc cyanide	6.1	I	6.1	IB8, IP3, T1, TP33	155	204	240	100 kg	200 kg	A	49
Zinc dithionite or Zinc hydrosulfite	9	III	None								
Zinc ethyl, see Diethylzinc	6.1	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Zinc fluorosulfate	5.1	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58, 138
Zinc hydrosulfite, see Zinc dithionite	5.1	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	13, 52, 66, 75
Zinc murexide solution, see Zinc chloride, solution.	5.1	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	40, 52, 85
Zinc nitrate	4.3	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	52, 53
Zinc permanganate	4.3	I	4.3, 4.2	A19, IB4, IP1, N40	None	211	242	Forbidden	15 kg	A	
Zinc peroxide	4.3	II	4.3, 4.2	A19, IB7, IP2, T3, TP33	None	212	242	15 kg	50 kg	A	52, 53
Zinc phosphide	4.3	III	4.3, 4.2	IB8, IP4, T1, TP33	None	213	242	25 kg	100 kg	A	
Zinc powder or Zinc dust	4.1	III	4.1	A1, IB6, T1, TP33	151	213	240	25 kg	100 kg	A	
Zinc resinate	4.1	III	4.1								
Zinc selenate, see Selenates or Selenites.											
Zinc selenite, see Selenates or Selenites.											
Zinc silicofluoride, see Zinc fluorosulfate.											
Zirconium, dry, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	4.1	III	4.1	A1	151	213	240	25 kg	100 kg	A	
Zirconium, dry, finished sheets, strip or coiled wire.	4.2	III	4.2	A1, A19	None	213	240	25 kg	100 kg	D	
Zirconium hydride	4.1	II	4.1	A19, A20, IB4, N34, T3, TP33	None	212	240	15 kg	50 kg	E	
Zirconium nitrate	5.1	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Zirconium picramate, dry or wetted with less than 20 percent water, by mass.	1.3C	II	1.3C		None	62	None	Forbidden	Forbidden	10	5E

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descriptions and proper shipping names	Hazard class or Division	Identi-fication Numbers	PG	Label Codes	Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Zirconium picramate, wetted with not less than 20 percent water, by mass.	4.1	UN1517	I	4.1	23, N41	None	211	None	1 kg	15 kg	D	28, 36
	Zirconium powder, dry	4.2	UN2008	I II	4.2 4.2	T21, TP7, TP33 A19, A20, IB6, IP2, N5, N34, T3, TP33	None None	211 212	242 241	Forbidden 15 kg	Forbidden 50 kg	D D	
	Zirconium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns.	4.1	UN1358	III II	4.2 4.1	IB8, IP3, T1, TP33 A19, A20, IB6, IP2, N34, T3, TP33	None None	213 212	241 241	25 kg 15 kg	100 kg 50 kg	D E	74
	Zirconium scrap	4.2	UN1932	III	4.2	IB8, IP3, N34, T1, TP33	None	201	240	Forbidden	Forbidden	D	
	Zirconium suspended in a liquid	3	UN1308	I II III	3 3 3	IB2 B1, IB2	None None	202 203	242 242	Forbidden 5 L 60 L	Forbidden 60 L 220 L	B B B	
	Zirconium tetrachloride	8	UN2503	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	B A	

APPENDIX A TO §172.101—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

1. This appendix lists materials and their corresponding reportable quantities (RQ's) that are listed or designated as "hazardous substances" under section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. 9601(14) (CERCLA; 42 U.S.C. 9601 *et seq.*). This listing fulfills the requirement of CERCLA, 42 U.S.C. 9656(a), that all "hazardous substances," as defined in 42 U.S.C. 9601(14), be listed and regulated as hazardous materials under 49 U.S.C. 5101-5127. That definition includes substances listed under sections 311(b)(2)(A) and 307(a) of the Federal Water Pollution Control Act, 33 U.S.C. 1321(b)(2)(A) and 1317(a), section 3001 of the Solid Waste Disposal Act, 42 U.S.C. 6921, and section 112 of the Clean Air Act, 42 U.S.C. 7412. In addition, this list contains materials that the Administrator of the Environmental Protection Agency has determined to be hazardous substances in accordance with section 102 of CERCLA, 42 U.S.C. 9602. It should be noted that 42 U.S.C. 9656(b) provides that common and contract carriers may be held liable under laws other than CERCLA for the release of a hazardous substance as defined in that Act, during transportation that commenced before the effective date of the listing and regulating of that substance as a hazardous material under 49 U.S.C. 5101-5127.

2. This appendix is divided into two TABLES which are entitled "TABLE 1—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES" and "TABLE 2—RADIONUCLIDES." A material listed in this appendix is regulated as a hazardous material and a hazardous substance under this subchapter if it meets the definition of a hazardous substance in §171.8 of this subchapter.

3. The procedure for selecting a proper shipping name for a hazardous substance is set forth in §172.101(c).

4. Column 1 of TABLE 1, entitled "*Hazardous substance*", contains the names of those elements and compounds that are hazardous substances. Following the listing of elements and compounds is a listing of waste streams. These waste streams appear on the list in numerical sequence and are referenced by the appropriate "D", "F", or "K" numbers. Column 2 of TABLE 1, entitled "*Reportable quantity (RQ)*", contains the report-

able quantity (RQ), in pounds and kilograms, for each hazardous substance listed in Column 1 of TABLE 1.

5. A series of notes is used throughout TABLE 1 and TABLE 2 to provide additional information concerning certain hazardous substances. These notes are explained at the end of each TABLE.

6. TABLE 2 lists radionuclides that are hazardous substances and their corresponding RQ's. The RQ's in table 2 for radionuclides are expressed in units of curies and terabecquerels, whereas those in table 1 are expressed in units of pounds and kilograms. If a material is listed in both table 1 and table 2, the lower RQ shall apply. Radionuclides are listed in alphabetical order. The RQ's for radionuclides are given in the radiological unit of measure of curie, abbreviated "Ci", followed, in parentheses, by an equivalent unit measured in terabecquerels, abbreviated "TBq".

7. For mixtures of radionuclides, the following requirements shall be used in determining if a package contains an RQ of a hazardous substance: (i) if the identity and quantity (in curies or terabecquerels) of each radionuclide in a mixture or solution is known, the ratio between the quantity per package (in curies or terabecquerels) and the RQ for the radionuclide must be determined for each radionuclide. A package contains an RQ of a hazardous substance when the sum of the ratios for the radionuclides in the mixture or solution is equal to or greater than one; (ii) if the identity of each radionuclide in a mixture or solution is known but the quantity per package (in curies or terabecquerels) of one or more of the radionuclides is unknown, an RQ of a hazardous substance is present in a package when the total quantity (in curies or terabecquerels) of the mixture or solution is equal to or greater than the lowest RQ of any individual radionuclide in the mixture or solution; and (iii) if the identity of one or more radionuclides in a mixture or solution is unknown (or if the identity of a radionuclide by itself is unknown), an RQ of a hazardous substance is present when the total quantity (in curies or terabecquerels) in a package is equal to or greater than either one curie or the lowest RQ of any known individual radionuclide in the mixture or solution, whichever is lower.

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
A2213	5000 (2270)
Acenaphthene	100 (45.4)
Acenaphthylene	5000 (2270)
Acetaldehyde	1000 (454)
Acetaldehyde, chloro-	1000 (454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Acetaldehyde, trichloro-	5000 (2270)
Acetamide	100 (45.4)
Acetamide, N-(aminothioxomethyl)-	1000 (454)
Acetamide, N-(4-ethoxyphenyl)-	100 (45.4)
Acetamide, N-9H-fluoren-2-yl-	1 (0.454)
Acetamide, 2-fluoro-	100 (45.4)
Acetic acid	5000 (2270)
Acetic acid, (2,4-dichlorophenoxy)-, salts & esters	100 (45.4)
Acetic acid, ethyl ester	5000 (2270)
Acetic acid, fluoro-, sodium salt	10 (4.54)
Acetic acid, lead(2+) salt	10 (4.54)
Acetic acid, thallium(1+) salt	100 (45.4)
Acetic acid, (2,4,5-trichlorophenoxy)-	1000 (454)
Acetic anhydride	5000 (2270)
Acetone	5000 (2270)
Acetone cyanohydrin	10 (4.54)
Acetonitrile	5000 (2270)
Acetophenone	5000 (2270)
2-Acetylaminofluorene	1 (0.454)
Acetyl bromide	5000 (2270)
Acetyl chloride	5000 (2270)
1-Acetyl-2-thiourea	1000 (454)
Acrolein	1 (0.454)
Acrylamide	5000 (2270)
Acrylic acid	5000 (2270)
Acrylonitrile	100 (45.4)
Adipic acid	5000 (2270)
Aldicarb	1 (0.454)
Aldicarb sulfone	100 (45.4)
Aldrin	1 (0.454)
Allyl alcohol	100 (45.4)
Allyl chloride	1000 (454)
Aluminum phosphide	100 (45.4)
Aluminum sulfate	5000 (2270)
4-Aminobiphenyl	1 (0.454)
5-(Aminomethyl)-3-isoxazolol	1000 (454)
4-Aminopyridine	1000 (454)
Amitrole	10 (4.54)
Ammonia	100 (45.4)
Ammonium acetate	5000 (2270)
Ammonium benzoate	5000 (2270)
Ammonium bicarbonate	5000 (2270)
Ammonium bichromate	10 (4.54)
Ammonium bifluoride	100 (45.4)
Ammonium bisulfite	5000 (2270)
Ammonium carbamate	5000 (2270)
Ammonium carbonate	5000 (2270)
Ammonium chloride	5000 (2270)
Ammonium chromate	10 (4.54)
Ammonium citrate, dibasic	5000 (2270)
Ammonium dichromate®	10 (4.54)
Ammonium fluoborate	5000 (2270)
Ammonium fluoride	100 (45.4)
Ammonium hydroxide	1000 (454)
Ammonium oxalate	5000 (2270)
Ammonium picrate	10 (4.54)
Ammonium silicofluoride	1000 (454)
Ammonium sulfamate	5000 (2270)
Ammonium sulfide	100 (45.4)
Ammonium sulfite	5000 (2270)
Ammonium tartrate	5000 (2270)
Ammonium thiocyanate	5000 (2270)
Ammonium vanadate	1000 (454)
Amyl acetate	5000 (2270)
iso-Amyl acetate.	
sec-Amyl acetate.	
tert-Amyl acetate.	
Aniline	5000 (2270)
o-Anisidine	100 (45.4)
Anthracene	5000 (2270)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Antimony ϵ	5000 (2270)
Antimony pentachloride	1000 (454)
Antimony potassium tartrate	100 (45.4)
Antimony tribromide	1000 (454)
Antimony trichloride	1000 (454)
Antimony trifluoride	1000 (454)
Antimony trioxide	1000 (454)
Argentate(1-), bis(cyano-C)-, potassium	1 (0.454)
Aroclor 1016	1 (0.454)
Aroclor 1221	1 (0.454)
Aroclor 1232	1 (0.454)
Aroclor 1242	1 (0.454)
Aroclor 1248	1 (0.454)
Aroclor 1254	1 (0.454)
Aroclor 1260	1 (0.454)
Aroclors	1 (0.454)
Arsenic ϵ	1 (0.454)
Arsenic acid H_3AsO_4	1 (0.454)
Arsenic disulfide	1 (0.454)
Arsenic oxide As_2O_3	1 (0.454)
Arsenic oxide As_2O_5	1 (0.454)
Arsenic pentoxide	1 (0.454)
Arsenic trichloride	1 (0.454)
Arsenic trioxide	1 (0.454)
Arsenic trisulfide	1 (0.454)
Arsine, diethyl-	1 (0.454)
Arsinic acid, dimethyl-	1 (0.454)
Arsonous dichloride, phenyl-	1 (0.454)
Asbestos $\epsilon\epsilon$	1 (0.454)
Auramine	100 (45.4)
Azaserine	1 (0.454)
Aziridine	1 (0.454)
Aziridine, 2-methyl-	1 (0.454)
Azirino[2,3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8alpha, 8balpha)]-	10 (4.54)
Barban	10 (4.54)
Barium cyanide	10 (4.54)
Bendiocarb	100 (45.4)
Bendiocarb phenol	1000 (454)
Benomyl	10 (4.54)
Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	10 (4.54)
Benz[c]acridine	100 (45.4)
Benzal chloride	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	5000 (2270)
Benz[a]anthracene	10 (4.54)
1,2-Benzanthracene	10 (4.54)
Benz[a]anthracene, 7,12-dimethyl-	1 (0.454)
Benzenamine	5000 (2270)
Benzenamine, 4,4'-carbonimidoylbis (N,N dimethyl-	100 (45.4)
Benzenamine, 4-chloro-	1000 (454)
Benzenamine, 4-chloro-2-methyl-, hydrochloride	100 (45.4)
Benzenamine, N,N-dimethyl-4-(phenylazo)-	10 (4.54)
Benzenamine, 2-methyl-	100 (45.4)
Benzenamine, 4-methyl-	100 (45.4)
Benzenamine, 4,4'-methylenebis[2-chloro-	10 (4.54)
Benzenamine, 2-methyl-, hydrochloride	100 (45.4)
Benzenamine, 2-methyl-5-nitro-	100 (45.4)
Benzenamine, 4-nitro-	5000 (2270)
Benzene	10 (4.54)
Benzenoacetic acid, 4-chloro- α -(4-chlorophenyl)- α -hydroxy-, ethyl ester	10 (4.54)
Benzene, 1-bromo-4-phenoxy-	100 (45.4)
Benzenobutanoic acid, 4-[bis(2-chloroethyl)amino]-	10 (4.54)
Benzene, chloro-	100 (45.4)
Benzene, (chloromethyl)-	100 (45.4)
Benzenediamine, ar-methyl-	10 (4.54)
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	100 (45.4)
1,2-Benzenedicarboxylic acid, dibutyl ester	10 (4.54)
1,2-Benzenedicarboxylic acid, diethyl ester	1000 (454)
1,2-Benzenedicarboxylic acid, dimethyl ester	5000 (2270)
1,2-Benzenedicarboxylic acid, dioctyl ester	5000 (2270)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Benzene, 1,2-dichloro-	100 (45.4)
Benzene, 1,3-dichloro-	100 (45.4)
Benzene, 1,4-dichloro-	100 (45.4)
Benzene, 1,1'-(2,2-dichloroethylidene) bis[4-chloro-	1 (0.454)
Benzene, (dichloromethyl)-	5000 (2270)
Benzene, 1,3-diisocyanatomethyl-	100 (45.4)
Benzene, dimethyl-	100 (45.4)
1,3-Benzenediol	5000 (2270)
1,2-Benzenediol,4-[1-hydroxy-2-(methylamino) ethyl]-	1000 (454)
Benzeethanamine, alpha, alpha-dimethyl-	5000 (2270)
Benzene, hexachloro-	10 (4.54)
Benzene, hexahydro-	1000 (454)
Benzene, methyl-	1000 (454)
Benzene, 1-methyl-2,4-dinitro-	10 (4.54)
Benzene, 2-methyl-1,3-dinitro-	100 (45.4)
Benzene, (1-methylethyl)-	5000 (2270)
Benzene, nitro-	1000 (454)
Benzene, pentachloro-	10 (4.54)
Benzene, pentachloronitro-	100 (45.4)
Benzenesulfonic acid chloride	100 (45.4)
Benzenesulfonyl chloride	100 (45.4)
Benzene, 1,2,4,5-tetrachloro-	5000 (2270)
Benzenethiol	100 (45.4)
Benzene, 1,1'-(2,2,2-trichloroethylidene) bis[4-chloro-	1 (0.454)
Benzene, 1,1'-(2,2,2-trichloroethylidene) bis[4-methoxy-	1 (0.454)
Benzene, (trichloromethyl)-	10 (4.54)
Benzene, 1,3,5-trinitro-	10 (4.54)
Benzidine	1 (0.454)
1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts	100 (45.4)
Benzo[a]anthracene	10 (4.54)
1,3-Benzodioxole, 5-(1-propenyl)-1	100 (45.4)
1,3-Benzodioxole, 5-(2-propenyl)-	100 (45.4)
1,3-Benzodioxole, 5-propyl-	10 (4.54)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-	1000 (454)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate	100 (45.4)
Benzo[b]fluoranthene	1 (0.454)
Benzo[k]fluoranthene	5000 (2270)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-	10 (4.54)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate	10 (4.54)
Benzoic acid	5000 (2270)
Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo [2,3-b]indol-5-yl methylcarbamate ester (1:1)	100 (45.4)
Benzonitrile	5000 (2270)
Benzo[rs]t]pentaphene	10 (4.54)
Benzo[ghi]perylene	5000 (2270)
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts	100 (45.4)
Benzo[a]pyrene	1 (0.454)
3,4-Benzopyrene	1 (0.454)
p-Benzoquinone	10 (4.54)
Benzotrichloride	10 (4.54)
Benzoyl chloride	1000 (454)
Benzyl chloride	100 (45.4)
Beryllium ϵ	10 (4.54)
Beryllium chloride	1 (0.454)
Beryllium fluoride	1 (0.454)
Beryllium nitrate	1 (0.454)
Beryllium powder ϵ	10 (4.54)
alpha-BHC	10 (4.54)
beta-BHC	1 (0.454)
delta-BHC	1 (0.454)
gamma-BHC	1 (0.454)
2,2'-Bioxirane	10 (4.54)
Biphenyl	100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dichloro-	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy-	100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl-	10 (4.54)
Bis(2-chloroethoxy) methane	1000 (454)
Bis(2-chloroethyl) ether	10 (4.54)
Bis(chloromethyl) ether	10 (4.54)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Bis(2-ethylhexyl) phthalate	100 (45.4)
Bromoacetone	1000 (454)
Bromoform	100 (45.4)
Bromomethane	1000 (454)
4-Bromophenyl phenyl ether	100 (45.4)
Brucine	100 (45.4)
1,3-Butadiene	10 (4.54)
1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	1 (0.454)
1-Butanamine, N-butyl-N-nitroso-	10 (4.54)
1-Butanol	5000 (2270)
2-Butanone	5000 (2270)
2-Butanone, 3,3-dimethyl-1(methylthio)-, O [(methylamino) carbonyl] oxime	100 (45.4)
2-Butanone peroxide	10 (4.54)
2-Butenal	100 (45.4)
2-Butene, 1,4-dichloro-	1 (0.454)
2-Butenoic acid, 2-methyl-, 7-[[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy] methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*),7alpha]]-	10 (4.54)
Butyl acetate	5000 (2270)
iso-Butyl acetate.	
sec-Butyl acetate.	
tert-Butyl acetate.	
n-Butyl alcohol	5000 (2270)
Butylamine	1000 (454)
iso-Butylamine.	
sec-Butylamine.	
tert-Butylamine.	
Butyl benzyl phthalate	100 (45.4)
n-Butyl phthalate	10 (4.54)
Butyric acid	5000 (2270)
iso-Butyric acid.	
Cacodylic acid	1 (0.454)
Cadmium	10 (4.54)
Cadmium acetate	10 (4.54)
Cadmium bromide	10 (4.54)
Cadmium chloride	10 (4.54)
Calcium arsenate	1 (0.454)
Calcium arsenite	1 (0.454)
Calcium carbide	10 (4.54)
Calcium chromate	10 (4.54)
Calcium cyanamide	1000 (454)
Calcium cyanide Ca(CN) ₂	10 (4.54)
Calcium dodecylbenzenesulfonate	1000 (454)
Calcium hypochlorite	10 (4.54)
Captan	10 (4.54)
Carbamic acid, 1H-benzimidazol-2-yl, methyl ester	10 (4.54)
Carbamic acid, [1-[[[butylamino]carbonyl]-1H-benzimidazol-2-yl]-, methyl ester	10 (4.54)
Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butyryl ester	10 (4.54)
Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester	1000 (454)
Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester	1 (0.454)
Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester	100 (45.4)
Carbamic acid, ethyl ester	100 (45.4)
Carbamic acid, methyl-, 3-methylphenyl ester	1000 (454)
Carbamic acid, methylnitroso-, ethyl ester	1 (0.454)
Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)] bis-, dimethyl ester	10 (4.54)
Carbamic acid, phenyl-, 1-methylethyl ester	1000 (454)
Carbamic chloride, dimethyl-	1 (0.454)
Carbamodithioic acid, 1,2-ethanediyldis-, salts & esters	5000 (2270)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	100 (45.4)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester	100 (45.4)
Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester	5000 (2270)
Carbaryl	100 (45.4)
Carbendazim	10 (4.54)
Carbofuran	10 (4.54)
Carbofuran phenol	10 (4.54)
Carbon disulfide	100 (45.4)
Carbonic acid, dithallium(1+) salt	100 (45.4)
Carbonic dichloride	10 (4.54)
Carbonic difluoride	1000 (454)
Carbonochloridic acid, methyl ester	1000 (454)
Carbon oxyfluoride	1000 (454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Carbon tetrachloride	10 (4.54)
Carbonyl sulfide	100 (45.4)
Carbosulfan	1000 (454)
Catechol	100 (45.4)
Chloral	5000 (2270)
Chloramben	100 (45.4)
Chlorambucil	10 (4.54)
Chlordane	1 (0.454)
Chlordane, alpha & gamma isomers	1 (0.454)
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	1 (0.454)
Chlorinated camphene	1 (0.454)
Chlorine	10 (4.54)
Chlornaphazine	100 (45.4)
Chloroacetaldehyde	1000 (454)
Chloroacetic acid	100 (45.4)
2-Chloroacetophenone	100 (45.4)
p-Chloroaniline	1000 (454)
Chlorobenzene	100 (45.4)
Chlorobenzilate	10 (4.54)
p-Chloro-m-cresol	5000 (2270)
Chlorodibromomethane	100 (45.4)
1-Chloro-2,3-epoxypropane	100 (45.4)
Chloroethane	100 (45.4)
2-Chloroethyl vinyl ether	1000 (454)
Chloroform	10 (4.54)
Chloromethane	100 (45.4)
Chloromethyl methyl ether	10 (4.54)
beta-Chloronaphthalene	5000 (2270)
2-Chloronaphthalene	5000 (2270)
2-Chlorophenol	100 (45.4)
o-Chlorophenol	100 (45.4)
4-Chlorophenyl phenyl ether	5000 (2270)
1-(o-Chlorophenyl)thiourea	100 (45.4)
Chloroprene	100 (45.4)
3-Chloropropionitrile	1000 (454)
Chlorosulfonic acid	1000 (454)
4-Chloro-o-toluidine, hydrochloride	100 (45.4)
Chlorpyrifos	1 (0.454)
Chromic acetate	1000 (454)
Chromic acid	10 (4.54)
Chromic acid H ₂ CrO ₄ , calcium salt	10 (4.54)
Chromic sulfate	1000 (454)
Chromium ϵ	5000 (2270)
Chromous chloride	1000 (454)
Chrysene	100 (45.4)
Cobaltous bromide	1000 (454)
Cobaltous formate	1000 (454)
Cobaltous sulfamate	1000 (454)
Coke Oven Emissions	1 (0.454)
Copper ϵ	5000 (2270)
Copper chloride ϵ	10 (4.54)
Copper cyanide Cu(CN)	10 (4.54)
Coumaphos	10 (4.54)
Creosote	1 (0.454)
Cresol (cresylic acid)	100 (45.4)
m-Cresol	100 (45.4)
o-Cresol	100 (45.4)
p-Cresol	100 (45.4)
Cresols (isomers and mixture)	100 (45.4)
Cresylic acid (isomers and mixture)	100 (45.4)
Crotonaldehyde	100 (45.4)
Cumene	5000 (2270)
m-Cumenyl methylcarbamate	10 (4.54)
Cupric acetate	100 (45.4)
Cupric acetoarsenite	1 (0.454)
Cupric chloride	10 (4.54)
Cupric nitrate	100 (45.4)
Cupric oxalate	100 (45.4)
Cupric sulfate	10 (4.54)
Cupric sulfate, ammoniated	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Cupric tartrate	100 (45.4)
Cyanides (soluble salts and complexes) not otherwise specified	10 (4.54)
Cyanogen	100 (45.4)
Cyanogen bromide (CN)Br	1000 (454)
Cyanogen chloride (CN)Cl	10 (4.54)
2,5-Cyclohexadiene-1,4-dione	10 (4.54)
Cyclohexane	1000 (454)
Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 α , 2 α , 3 β -, 4 α , 5 α , 6 β)	1 (0.454)
Cyclohexanone	5000 (2270)
2-Cyclohexyl-4,6-dinitrophenol	100 (45.4)
1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	10 (4.54)
Cyclophosphamide	10 (4.54)
2,4-D Acid	100 (45.4)
2,4-D Ester	100 (45.4)
2,4-D, salts and esters	100 (45.4)
Daunomycin	10 (4.54)
DDD	1 (0.454)
4,4'-DDD	1 (0.454)
DDE (72-55-9) #	1 (0.454)
DDE (3547-04-4) #	5000 (2270)
4,4'-DDE	1 (0.454)
DDT	1 (0.454)
4,4'-DDT	1 (0.454)
DEHP	100 (45.4)
Diallate	100 (45.4)
Diazinon	1 (0.454)
Diazomethane	100 (45.4)
Dibenz[a,h]anthracene	1 (0.454)
1,2:5,6-Dibenzanthracene	1 (0.454)
Dibenzo[a,h]anthracene	1 (0.454)
Dibenzofuran	100 (45.4)
Dibenzo[a,i]pyrene	10 (4.54)
1,2-Dibromo-3-chloropropane	1 (0.454)
Dibromoethane	1 (0.454)
Dibutyl phthalate	10 (4.54)
Di-n-butyl phthalate	10 (4.54)
Dicamba	1000 (454)
Dichlobenil	100 (45.4)
Dichlone	1 (0.454)
Dichlorobenzene	100 (45.4)
1,2-Dichlorobenzene	100 (45.4)
1,3-Dichlorobenzene	100 (45.4)
1,4-Dichlorobenzene	100 (45.4)
m-Dichlorobenzene	100 (45.4)
o-Dichlorobenzene	100 (45.4)
p-Dichlorobenzene	100 (45.4)
3,3'-Dichlorobenzidine	1 (0.454)
Dichlorobromomethane	5000 (2270)
1,4-Dichloro-2-butene	1 (0.454)
Dichlorodifluoromethane	5000 (2270)
1,1-Dichloroethane	1000 (454)
1,2-Dichloroethane	100 (45.4)
1,1-Dichloroethylene	100 (45.4)
1,2-Dichloroethylene	1000 (454)
Dichloroethyl ether	10 (4.54)
Dichloroisopropyl ether	1000 (454)
Dichloromethane	1000 (454)
Dichloromethoxyethane	1000 (454)
Dichloromethyl ether	10 (4.54)
2,4-Dichlorophenol	100 (45.4)
2,6-Dichlorophenol	100 (45.4)
Dichlorophenylarsine	1 (0.454)
Dichloropropane	1000 (454)
1,1-Dichloropropane	
1,3-Dichloropropane	
1,2-Dichloropropane	1000 (454)
Dichloropropane-Dichloropropene (mixture)	100 (45.4)
Dichloropropene	100 (45.4)
2,3-Dichloropropene	
1,3-Dichloropropene	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
2,2-Dichloropropionic acid	5000 (2270)
Dichlorvos	10 (4.54)
Dicofol	10 (4.54)
Dieldrin	1 (0.454)
1,2:3,4-Diepoxybutane	10 (4.54)
Diethanolamine	100 (45.4)
Diethylamine	100 (45.4)
N,N-Diethylaniline	1000 (454)
Diethylarsine	1 (0.454)
Diethylene glycol, dicarbamate	5000 (2270)
1,4-Diethyleneoxide	100 (45.4)
Diethylhexyl phthalate	100 (45.4)
N,N'-Diethylhydrazine	10 (4.54)
O,O-Diethyl S-methyl dithiophosphate	5000 (2270)
Diethyl-p-nitrophenyl phosphate	100 (45.4)
Diethyl phthalate	1000 (454)
O,O-Diethyl O-pyrazinyl phosphorothioate	100 (45.4)
Diethylstilbestrol	1 (0.454)
Diethyl sulfate	10 (4.54)
Dihydrosafrole	10 (4.54)
Diisopropylfluorophosphate (DFP)	100 (45.4)
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha, 4abeta, 5alpha, 8alpha, 8abeta)-	1 (0.454)
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha, 4abeta, 5beta, 8beta, 8abeta)-1 (0.454).	
2,7:3,6-Dimethanonaphth[2,3-b]oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2aalpha, 3beta, 6beta, 6aalpha, 7beta, 7aalpha)-	1 (0.454)
2,7:3,6-Dimethanonaphth[2, 3-b]oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)-, & metabolites	1 (0.454)
Dimethoate	10 (4.54)
3,3'-Dimethoxybenzidine	100 (45.4)
Dimethylamine	1000 (454)
Dimethyl aminoazobenzene	10 (4.54)
p-Dimethylaminoazobenzene	10 (4.54)
N,N-Dimethylaniline	100 (45.4)
7,12-Dimethylbenz[a]anthracene	1 (0.454)
3,3'-Dimethylbenzidine	10 (4.54)
alpha,alpha-Dimethylbenzylhydroperoxide	10 (4.54)
Dimethylcarbamoyl chloride	1 (0.454)
Dimethylformamide	100 (45.4)
1,1-Dimethylhydrazine	10 (4.54)
1,2-Dimethylhydrazine	1 (0.454)
Dimethylhydrazine, unsymmetrical [®]	10 (4.54)
alpha,alpha-Dimethylphenethylamine	5000 (2270)
2,4-Dimethylphenol	100 (45.4)
Dimethyl phthalate	5000 (2270)
Dimethyl sulfate	100 (45.4)
Dimetilan	1 (0.454)
Dinitrobenzene (mixed)	100 (45.4)
m-Dinitrobenzene.	
o-Dinitrobenzene.	
p-Dinitrobenzene.	
4,6-Dinitro-o-cresol, and salts	10 (4.54)
Dinitrogen tetroxide [®]	10 (4.54)
Dinitrophenol	10 (4.54)
2,5-Dinitrophenol.	
2,6-Dinitrophenol.	
2,4-Dinitrophenol	10 (4.54)
Dinitrotoluene	10 (4.54)
3,4-Dinitrotoluene.	
2,4-Dinitrotoluene	10 (4.54)
2,6-Dinitrotoluene	100 (45.4)
Dinoseb	1000 (454)
Di-n-octyl phthalate	5000 (2270)
1,4-Dioxane	100 (45.4)
1,2-Diphenylhydrazine	10 (4.54)
Diphosphoramidate, octamethyl-	100 (45.4)
Diphosphoric acid, tetraethyl ester	10 (4.54)
Dipropylamine	5000 (2270)
Di-n-propylnitrosamine	10 (4.54)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Diquat	1000 (454)
Disulfoton	1 (0.454)
Dithiobiuret	100 (45.4)
1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)-carbonyl]oxime	100 (45.4)
Diuron	100 (45.4)
Dodecylbenzenesulfonic acid	1000 (454)
Endosulfan	1 (0.454)
alpha-Endosulfan	1 (0.454)
beta-Endosulfan	1 (0.454)
Endosulfan sulfate	1 (0.454)
Endothall	1000 (454)
Endrin	1 (0.454)
Endrin aldehyde	1 (0.454)
Endrin, & metabolites	1 (0.454)
Epichlorohydrin	100 (45.4)
Epinephrine	1000 (454)
1,2-Epoxybutane	100 (45.4)
Ethanal	1000 (454)
Ethanamine, N,N-diethyl-	5000 (2270)
Ethanamine, N-ethyl-N-nitroso-	1 (0.454)
1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-	5000 (2270)
Ethane, 1,2-dibromo-	1 (0.454)
Ethane, 1,1-dichloro-	1000 (454)
Ethane, 1,2-dichloro-	100 (45.4)
Ethanedinitrile	100 (45.4)
Ethane, hexachloro-	100 (45.4)
Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-	1000 (454)
Ethane, 1,1'-oxybis-	100 (45.4)
Ethane, 1,1'-oxybis[2-chloro-	10 (4.54)
Ethane, pentachloro-	10 (4.54)
Ethane, 1,1,1,2-tetrachloro-	100 (45.4)
Ethane, 1,1,2,2-tetrachloro-	100 (45.4)
Ethanethioamide	10 (4.54)
Ethane, 1,1,1-trichloro-	1000 (454)
Ethane, 1,1,2-trichloro-	100 (45.4)
Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester	5000 (2270)
Ethanimidothioic acid, 2-(dimethylamino)-N-[[[(methylamino) carbonyl]oxy]-2-oxo-, methyl ester	100 (45.4)
Ethanimidothioic acid, N-[[[(methylamino) carbonyl]oxy]-, methyl ester	100 (45.4)
Ethanimidothioic acid, N,N'[thiobis[(methylimino)carbonyloxy]] bis-, dimethyl ester	100 (45.4)
Ethanol, 2-ethoxy-	1000 (454)
Ethanol, 2,2'-(nitrosoimino)bis-	1 (0.454)
Ethanol, 2,2'-oxybis-, dicarbamate	5000 (2270)
Ethanone, 1-phenyl-	5000 (2270)
Ethene, chloro-	1 (0.454)
Ethene, (2-chloroethoxy)-	1000 (454)
Ethene, 1,1-dichloro-	100 (45.4)
Ethene, 1,2-dichloro-(E)	1000 (454)
Ethene, tetrachloro-	100 (45.4)
Ethene, trichloro-	100 (45.4)
Ethion	10 (4.54)
Ethyl acetate	5000 (2270)
Ethyl acrylate	1000 (454)
Ethylbenzene	1000 (454)
Ethyl carbamate	100 (45.4)
Ethyl chloride	100 (45.4)
Ethyl cyanide	10 (4.54)
Ethylenebisdithiocarbamic acid, salts & esters	5000 (2270)
Ethylenediamine	5000 (2270)
Ethylenediamine-tetraacetic acid (EDTA)	5000 (2270)
Ethylene dibromide	1 (0.454)
Ethylene dichloride	100 (45.4)
Ethylene glycol	5000 (2270)
Ethylene glycol monoethyl ether	1000 (454)
Ethylene oxide	10 (4.54)
Ethylenethiourea	10 (4.54)
Ethylenimine	1 (0.454)
Ethyl ether	100 (45.4)
Ethylidene dichloride	1000 (454)
Ethyl methacrylate	1000 (454)
Ethyl methanesulfonate	1 (0.454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Ethyl methyl ketone®	5000 (2270)
Famphur	1000 (454)
Ferric ammonium citrate	1000 (454)
Ferric ammonium oxalate	1000 (454)
Ferric chloride	1000 (454)
Ferric fluoride	100 (45.4)
Ferric nitrate	1000 (454)
Ferric sulfate	1000 (454)
Ferrous ammonium sulfate	1000 (454)
Ferrous chloride	100 (45.4)
Ferrous sulfate	1000 (454)
Fluoranthene	100 (45.4)
Fluorene	5000 (2270)
Fluorine	10 (4.54)
Fluoroacetamide	100 (45.4)
Fluoroacetic acid, sodium salt	10 (4.54)
Formaldehyde	100 (45.4)
Formetanate hydrochloride	100 (45.4)
Formic acid	5000 (2270)
Formparanate	100 (45.4)
Fulminic acid, mercury(2+)salt	10 (4.54)
Fumaric acid	5000 (2270)
Furan	100 (45.4)
2-Furancarboxyaldehyde	5000 (2270)
2,5-Furandione	5000 (2270)
Furan, tetrahydro-	1000 (454)
Furfural	5000 (2270)
Furfuran	100 (45.4)
Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-	1 (0.454)
D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-carbonyl]amino]-	1 (0.454)
Glycidylaldehyde	10 (4.54)
Guanidine, N-methyl-N'-nitro-N-nitroso-	10 (4.54)
Guthion	1 (0.454)
Heptachlor	1 (0.454)
Heptachlor epoxide	1 (0.454)
Hexachlorobenzene	10 (4.54)
Hexachlorobutadiene	1 (0.454)
Hexachlorocyclopentadiene	10 (4.54)
Hexachloroethane	100 (45.4)
Hexachlorophene	100 (45.4)
Hexachloropropene	1000 (454)
Hexaethyl tetraphosphate	100 (45.4)
Hexamethylene-1,6-diisocyanate	100 (45.4)
Hexamethylphosphoramide	1 (0.454)
Hexane	5000 (2270)
Hexone	5000 (2270)
Hydrazine	1 (0.454)
Hydrazinecarbothioamide	100 (45.4)
Hydrazine, 1,2-diethyl-	10 (4.54)
Hydrazine, 1,1-dimethyl-	10 (4.54)
Hydrazine, 1,2-dimethyl-	1 (0.454)
Hydrazine, 1,2-diphenyl-	10 (4.54)
Hydrazine, methyl-	10 (4.54)
Hydrochloric acid	5000 (2270)
Hydrocyanic acid	10 (4.54)
Hydrofluoric acid	100 (45.4)
Hydrogen chloride	5000 (2270)
Hydrogen cyanide	10 (4.54)
Hydrogen fluoride	100 (45.4)
Hydrogen phosphide	100 (45.4)
Hydrogen sulfide H2S	100 (45.4)
Hydroperoxide, 1-methyl-1-phenylethyl-	10 (4.54)
Hydroquinone	100 (45.4)
2-Imidazolidinethione	10 (4.54)
Indeno(1,2,3-cd)pyrene	100 (45.4)
Iodomethane	100 (45.4)
1,3-Isobenzofurandione	5000 (2270)
Isobutyl alcohol	5000 (2270)
Isodrin	1 (0.454)
Isolan	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Isophorone	5000 (2270)
Isoprene	100 (45.4)
Isopropanolamine dodecylbenzenesulfonate	1000 (454)
3-Isopropylphenyl N-methylcarbamate	10 (4.54)
Isosafrole	100 (45.4)
3(2H)-Isoxazolone, 5-(aminomethyl)-	1000 (454)
Kepone	1 (0.454)
Lasiocarpine	10 (4.54)
Lead <i>c</i>	10 (4.54)
Lead acetate	10 (4.54)
Lead arsenate	1 (0.454)
Lead, bis(acetato-O)tetrahydroxytri-	10 (4.54)
Lead chloride	10 (4.54)
Lead fluoborate	10 (4.54)
Lead fluoride	10 (4.54)
Lead iodide	10 (4.54)
Lead nitrate	10 (4.54)
Lead phosphate	10 (4.54)
Lead stearate	10 (4.54)
Lead subacetate	10 (4.54)
Lead sulfate	10 (4.54)
Lead sulfide	10 (4.54)
Lead thiocyanate	10 (4.54)
Lindane	1 (0.454)
Lindane (all isomers)	1 (0.454)
Lithium chromate	10 (4.54)
Malathion	100 (45.4)
Maleic acid	5000 (2270)
Maleic anhydride	5000 (2270)
Maleic hydrazide	5000 (2270)
Malononitrile	1000 (454)
Manganese, bis(dimethylcarbamodithioato-S,S')-	10 (4.54)
Manganese dimethylthiocarbamate	10 (4.54)
MDI	5000 (2270)
MEK	5000 (2270)
Melphalan	1 (0.454)
Mercaptodimethur	10 (4.54)
Mercuric cyanide	1 (0.454)
Mercuric nitrate	10 (4.54)
Mercuric sulfate	10 (4.54)
Mercuric thiocyanate	10 (4.54)
Mercurous nitrate	10 (4.54)
Mercury	1 (0.454)
Mercury, (acetato-O)phenyl-	100 (45.4)
Mercury fulminate	10 (4.54)
Methacrylonitrile	1000 (454)
Methanamine, N-methyl-	1000 (454)
Methanamine, N-methyl-N-nitroso-	10 (4.54)
Methane, bromo-	1000 (454)
Methane, chloro-	100 (45.4)
Methane, chloromethoxy-	10 (4.54)
Methane, dibromo-	1000 (454)
Methane, dichloro-	1000 (454)
Methane, dichlorodifluoro-	5000 (2270)
Methane, iodo-	100 (45.4)
Methane, isocyanato-	10 (4.54)
Methane, oxybis(chloro-	10 (4.54)
Methanesulfonyl chloride, trichloro-	100 (45.4)
Methanesulfonic acid, ethyl ester	1 (0.454)
Methane, tetrachloro-	10 (4.54)
Methane, tetranitro-	10 (4.54)
Methanethiol	100 (45.4)
Methane, tribromo-	100 (45.4)
Methane, trichloro-	10 (4.54)
Methane, trichlorofluoro-	5000 (2270)
Methanimidamide, N,N-dimethyl-N'-[3-[[[(methylamino) carbonyl] oxy]	
phenyl]-, monohydrochloride	100 (45.4)
Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino)carbonyl] oxy]phenyl]-	100 (45.4)
6,9-Methano-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide	1 (0.454)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-	1 (0.454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	1 (0.454)
Methanol	5000 (2270)
Methapyrilene	5000 (2270)
1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-	1 (0.454)
Methiocarb	10 (4.54)
Methomyl	100 (45.4)
Methoxychlor	1 (0.454)
Methyl alcohol	5000 (2270)
Methylamine ®	100 (45.4)
2-Methyl aziridine	1 (0.454)
Methyl bromide	1000 (454)
1-Methylbutadiene	100 (45.4)
Methyl chloride	100 (45.4)
Methyl chlorocarbonate	1000 (454)
Methyl chloroform	1000 (454)
Methyl chloroformate ®	1000 (454)
Methyl chloromethyl ether ®	10 (4.54)
3-Methylcholanthrene	10 (4.54)
4,4'-Methylenebis(2-chloroaniline)	10 (4.54)
Methylene bromide	1000 (454)
Methylene chloride	1000 (454)
4,4'-Methylenedianiline	10 (4.54)
Methylene diphenyl diisocyanate	5000 (2270)
Methyl ethyl ketone	5000 (2270)
Methyl ethyl ketone peroxide	10 (4.54)
Methyl hydrazine	10 (4.54)
Methyl iodide	100 (45.4)
Methyl isobutyl ketone	5000 (2270)
Methyl isocyanate	10 (4.54)
2-Methylficonitrile	10 (4.54)
Methyl mercaptan	100 (45.4)
Methyl methacrylate	1000 (454)
Methyl parathion	100 (45.4)
4-Methyl-2-pentanone	5000 (2270)
Methyl tert-butyl ether	1000 (454)
Methylthiouracil	10 (4.54)
Metolcarb	1000 (454)
Mevinphos	10 (4.54)
Mexacarbate	1000 (454)
Mitomycin C	10 (4.54)
MNNG	10 (4.54)
Monoethylamine	100 (45.4)
Monomethylamine	100 (45.4)
Naled	10 (4.54)
5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-	10 (4.54)
1-Naphthalenamine	100 (45.4)
2-Naphthalenamine	10 (4.54)
Naphthalenamine, N,N'-bis(2-chloroethyl)-	100 (45.4)
Naphthalene	100 (45.4)
Naphthalene, 2-chloro-	5000 (2270)
1,4-Naphthalenedione	5000 (2270)
2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt	10 (4.54)
1-Naphthalenol, methylcarbamate	100 (45.4)
Naphthenic acid	100 (45.4)
1,4-Naphthoquinone	5000 (2270)
alpha-Naphthylamine	100 (45.4)
beta-Naphthylamine	10 (4.54)
alpha-Naphthylthiourea	100 (45.4)
Nickel <i>ε</i>	100 (45.4)
Nickel ammonium sulfate	100 (45.4)
Nickel carbonyl Ni(CO) ₄ , (T-4)-	10 (4.54)
Nickel chloride	100 (45.4)
Nickel cyanide Ni(CN) ₂	10 (4.54)
Nickel hydroxide	10 (4.54)
Nickel nitrate	100 (45.4)
Nickel sulfate	100 (45.4)
Nicotine, & salts	100 (45.4)
Nitric acid	1000 (454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Nitric acid, thallium (1+) salt	100 (45.4)
Nitric oxide	10 (4.54)
p-Nitroaniline	5000 (2270)
Nitrobenzene	1000 (454)
4-Nitrobiphenyl	10 (4.54)
Nitrogen dioxide	10 (4.54)
Nitrogen oxide NO	10 (4.54)
Nitrogen oxide NO ₂	10 (4.54)
Nitroglycerine	10 (4.54)
Nitrophenol (mixed)	100 (45.4)
m-Nitrophenol.	
o-Nitrophenol	100 (45.4)
p-Nitrophenol	100 (45.4)
2-Nitrophenol	100 (45.4)
4-Nitrophenol	100 (45.4)
2-Nitropropane	10 (4.54)
N-Nitrosodi-n-butylamine	10 (4.54)
N-Nitrosodiethanolamine	1 (0.454)
N-Nitrosodiethylamine	1 (0.454)
N-Nitrosodimethylamine	10 (4.54)
N-Nitrosodiphenylamine	100 (45.4)
N-Nitroso-N-ethylurea	1 (0.454)
N-Nitroso-N-methylurea	1 (0.454)
N-Nitroso-N-methylurethane	1 (0.454)
N-Nitrosomethylvinylamine	10 (4.54)
N-Nitrosomorpholine	1 (0.454)
N-Nitrosopiperidine	10 (4.54)
N-Nitrosopyrrolidine	1 (0.454)
Nitrotoluene	1000 (454)
m-Nitrotoluene.	
o-Nitrotoluene.	
p-Nitrotoluene.	
5-Nitro-o-toluidine	100 (45.4)
Octamethylpyrophosphoramide	100 (45.4)
Osmium oxide OsO ₄ , (T-4)	1000 (454)
Osmium tetroxide	1000 (454)
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	1000 (454)
Oxamyl	100 (45.4)
1,2-Oxathiolane, 2,2-dioxide	10 (4.54)
2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl) tetrahydro-, 2-oxide	10 (4.54)
Oxirane	10 (4.54)
Oxiranecarboxyaldehyde	10 (4.54)
Oxirane, (chloromethyl)-	100 (45.4)
Parafomaldehyde	1000 (454)
Paraldehyde	1000 (454)
Parathion	10 (4.54)
PCBs	1 (0.454)
PCNB	100 (45.4)
Pentachlorobenzene	10 (4.54)
Pentachloroethane	10 (4.54)
Pentachloronitrobenzene	100 (45.4)
Pentachlorophenol	10 (4.54)
1,3-Pentadiene	100 (45.4)
Perchloroethylene	100 (45.4)
Perchloromethyl mercaptan [®]	100 (45.4)
Phenacetin	100 (45.4)
Phenanthrene	5000 (2270)
Phenol	1000 (454)
Phenol, 2-chloro-	100 (45.4)
Phenol, 4-chloro-3-methyl-	5000 (2270)
Phenol, 2-cyclohexyl-4,6-dinitro-	100 (45.4)
Phenol, 2,4-dichloro-	100 (45.4)
Phenol, 2,6-dichloro-	100 (45.4)
Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)	1 (0.454)
Phenol, 2,4-dimethyl-	100 (45.4)
Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)	1000 (454)
Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate	10 (4.54)
Phenol, 2,4-dinitro-	10 (4.54)
Phenol, methyl-	100 (45.4)
Phenol, 2-methyl-4,6-dinitro-, & salts	10 (4.54)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Phenol, 2,2'-methylenebis[3,4,6-trichloro-	100 (45.4)
Phenol, 2-(1-methylethoxy)-, methylcarbamate	100 (45.4)
Phenol, 3-(1-methylethyl)-, methyl carbamate	10 (4.54)
Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate	1000 (454)
Phenol, 2-(1-methylpropyl)-4,6-dinitro-	1000 (454)
Phenol, 4-nitro-	100 (45.4)
Phenol, pentachloro-	10 (4.54)
Phenol, 2,3,4,6-tetrachloro-	10 (4.54)
Phenol, 2,4,5-trichloro-	10 (4.54)
Phenol, 2,4,6-trichloro-	10 (4.54)
Phenol, 2,4,6-trinitro-, ammonium salt	10 (4.54)
L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-	1 (0.454)
p-Phenylenediamine	5000 (2270)
Phenyl mercaptan [®]	100 (45.4)
Phenylmercury acetate	100 (45.4)
Phenylthiourea	100 (45.4)
Phorate	10 (4.54)
Phosgene	10 (4.54)
Phosphine	100 (45.4)
Phosphoric acid	5000 (2270)
Phosphoric acid, diethyl 4-nitrophenyl ester	100 (45.4)
Phosphoric acid, lead(2+) salt (2:3)	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester	1 (0.454)
Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-methyl ester	5000 (2270)
Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester	10 (4.54)
Phosphorofluoridic acid, bis(1-methylethyl) ester	100 (45.4)
Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester	10 (4.54)
Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	100 (45.4)
Phosphorothioic acid, O-[4-[[dimethylamino]sulfonyl]phenyl] O,O-dimethyl ester	1000 (454)
Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester	100 (45.4)
Phosphorus	1 (0.454)
Phosphorus oxychloride	1000 (454)
Phosphorus pentasulfide	100 (45.4)
Phosphorus sulfide	100 (45.4)
Phosphorus trichloride	1000 (454)
Phthalic anhydride	5000 (2270)
Physostigmine	100 (45.4)
Physostigmine salicylate	100 (45.4)
2-Picoline	5000 (2270)
Piperidine, 1-nitroso-	10 (4.54)
Plumbane, tetraethyl-	10 (4.54)
Polychlorinated biphenyls	1 (0.454)
Potassium arsenate	1 (0.454)
Potassium arsenite	1 (0.454)
Potassium bichromate	10 (4.54)
Potassium chromate	10 (4.54)
Potassium cyanide K(CN)	10 (4.54)
Potassium hydroxide	1000 (454)
Potassium permanganate	100 (45.4)
Potassium silver cyanide	1 (0.454)
Promecarb	1000 (454)
Pronamide	5000 (2270)
Propanal, 2-methyl-2-(methylsulfonyl)-, O-[(methylamino)carbonyl] oxime	100 (45.4)
Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl] oxime	1 (0.454)
1-Propanamine	5000 (2270)
1-Propanamine, N-propyl-	5000 (2270)
1-Propanamine, N-nitroso-N-propyl-	10 (4.54)
Propane, 1,2-dibromo-3-chloro-	1 (0.454)
Propane, 1,2-dichloro-	1000 (454)
Propanedinitrile	1000 (454)
Propanenitrile	10 (4.54)
Propanenitrile, 3-chloro-	1000 (454)
Propanenitrile, 2-hydroxy-2-methyl-	10 (4.54)
Propane, 2-nitro-	10 (4.54)
Propane, 2,2'-oxybis[2-chloro-	1000 (454)
1,3-Propane sultone	10 (4.54)
1,2,3-Propanetriol, trinitrate	10 (4.54)
Propanoic acid, 2-(2,4,5-trichlorophenoxy)-	100 (45.4)
1-Propanol, 2,3-dibromo-, phosphate (3:1)	10 (4.54)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
1-Propanol, 2-methyl-	5000 (2270)
2-Propanone	5000 (2270)
2-Propanone, 1-bromo-	1000 (454)
Propargite	10 (4.54)
Propargyl alcohol	1000 (454)
2-Propenal	1 (0.454)
2-Propenamide	5000 (2270)
1-Propene, 1,3-dichloro-	100 (45.4)
1-Propene, 1,1,2,3,3,3-hexachloro-	1000 (454)
2-Propenenitrile	100 (45.4)
2-Propenenitrile, 2-methyl-	1000 (454)
2-Propenoic acid	5000 (2270)
2-Propenoic acid, ethyl ester	1000 (454)
2-Propenoic acid, 2-methyl-, ethyl ester	1000 (454)
2-Propenoic acid, 2-methyl-, methyl ester	1000 (454)
2-Propen-1-ol	100 (45.4)
Propham	1000 (454)
beta-Propiolactone	10 (4.54)
Propionaldehyde	1000 (454)
Propionic acid	5000 (2270)
Propionic anhydride	5000 (2270)
Propoxur (Baygon)	100 (45.4)
n-Propylamine	5000 (2270)
Propylene dichloride	1000 (454)
Propylene oxide	100 (45.4)
1,2-Propylenimine	1 (0.454)
2-Propyn-1-ol	1000 (454)
Prosulfocarb	5000 (2270)
Pyrene	5000 (2270)
Pyrethrins	1 (0.454)
3,6-Pyridazinedione, 1,2-dihydro-	5000 (2270)
4-Pyridinamine	1000 (454)
Pyridine	1000 (454)
Pyridine, 2-methyl-	5000 (2270)
Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts	100 (45.4)
2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	10 (4.54)
4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	10 (4.54)
Pyrrolidine, 1-nitroso-	1 (0.454)
Pyrrolol[2,3-b] indol-5-ol,1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)-	100 (45.4)
Quinoline	5000 (2270)
Quinone	10 (4.54)
Quintobenzene	100 (45.4)
RADIONUCLIDES	See Table 2
Reserpine	5000 (2270)
Resorcinol	5000 (2270)
Saccharin & salts	100 (45.4)
Safrole	100 (45.4)
Selenious acid	10 (4.54)
Selenious acid, dithallium (1+) salt	1000 (454)
Selenium ϵ	100 (45.4)
Selenium dioxide	10 (4.54)
Selenium oxide	10 (4.54)
Selenium sulfide SeS ₂	10 (4.54)
Selenourea	1000 (454)
L-Serine, diazoacetate (ester)	1 (0.454)
Silver ϵ	1000 (454)
Silver cyanide Ag(CN)	1 (0.454)
Silver nitrate	1 (0.454)
Silvex (2,4,5-TP)	100 (45.4)
Sodium	10 (4.54)
Sodium arsenate	1 (0.454)
Sodium arsenite	1 (0.454)
Sodium azide	1000 (454)
Sodium bichromate	10 (4.54)
Sodium bifluoride	100 (45.4)
Sodium bisulfite	5000 (2270)
Sodium chromate	10 (4.54)
Sodium cyanide Na(CN)	10 (4.54)
Sodium dodecylbenzenesulfonate	1000 (454)
Sodium fluoride	1000 (454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Sodium hydrosulfide	5000 (2270)
Sodium hydroxide	1000 (454)
Sodium hypochlorite	100 (45.4)
Sodium methylate	1000 (454)
Sodium nitrite	100 (45.4)
Sodium phosphate, dibasic	5000 (2270)
Sodium phosphate, tribasic	5000 (2270)
Sodium selenite	100 (45.4)
Streptozotocin	1 (0.454)
Strontium chromate	10 (4.54)
Strychnidin-10-one, & salts	10 (4.54)
Strychnidin-10-one, 2,3-dimethoxy-	100 (45.4)
Strychnine, & salts	10 (4.54)
Styrene	1000 (454)
Styrene oxide	100 (45.4)
Sulfur chlorides [®]	1000 (454)
Sulfuric acid	1000 (454)
Sulfuric acid, dimethyl ester	100 (45.4)
Sulfuric acid, dithallium (1+) salt	100 (45.4)
Sulfur monochloride	1000 (454)
Sulfur phosphide	100 (45.4)
2,4,5-T	1000 (454)
2,4,5-T acid	1000 (454)
2,4,5-T amines	5000 (2270)
2,4,5-T esters	1000 (454)
2,4,5-T salts	1000 (454)
TCDD	1 (0.454)
TDE	1 (0.454)
1,2,4,5-Tetrachlorobenzene	5000 (2270)
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1 (0.454)
1,1,1,2-Tetrachloroethane	100 (45.4)
1,1,2,2-Tetrachloroethane	100 (45.4)
Tetrachloroethylene	100 (45.4)
2,3,4,6-Tetrachlorophenol	10 (4.54)
Tetraethyl pyrophosphate	10 (4.54)
Tetraethyl lead	10 (4.54)
Tetraethyldithiopyrophosphate	100 (45.4)
Tetrahydrofuran	1000 (454)
Tetranitromethane	10 (4.54)
Tetraphosphoric acid, hexaethyl ester	100 (45.4)
Thallic oxide	100 (45.4)
Thallium [®]	1000 (454)
Thallium (I) acetate	100 (45.4)
Thallium (I) carbonate	100 (45.4)
Thallium chloride TlCl	100 (45.4)
Thallium (I) nitrate	100 (45.4)
Thallium oxide Tl ₂ O ₃	100 (45.4)
Thallium (I) selenite	1000 (454)
Thallium (I) sulfate	100 (45.4)
Thioacetamide	10 (4.54)
Thiodicarb	100 (45.4)
Thiodiphosphoric acid, tetraethyl ester	100 (45.4)
Thiofanox	100 (45.4)
Thioimidodicarbonic diamide [(H ₂ N)C(S)] ₂ NH	100 (45.4)
Thiomethanol	100 (45.4)
Thioperoxydicarbonic diamide [(H ₂ N)C(S)] ₂ S ₂ , tetramethyl-	10 (4.54)
Thiophanate-methyl	10 (4.54)
Thiophenol	100 (45.4)
Thiosemicarbazide	100 (45.4)
Thiourea	10 (4.54)
Thiourea, (2-chlorophenyl)-	100 (45.4)
Thiourea, 1-naphthalenyl-	100 (45.4)
Thiourea, phenyl-	100 (45.4)
Thiram	10 (4.54)
Tirpate	100 (45.4)
Titanium tetrachloride	1000 (454)
Toluene	1000 (454)
Toluenediamine	10 (4.54)
2,4-Toluene diamine	10 (4.54)
Toluene diisocyanate	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
2,4-Toluene diisocyanate	100 (45.4)
o-Toluidine	100 (45.4)
p-Toluidine	100 (45.4)
o-Toluidine hydrochloride	100 (45.4)
Toxaphene	1 (0.454)
2,4,5-TP acid	100 (45.4)
2,4,5-TP esters	100 (45.4)
Triallate	100 (45.4)
1H-1,2,4-Triazol-3-amine	10 (4.54)
Trichlorfon	100 (45.4)
1,2,4-Trichlorobenzene	100 (45.4)
1,1,1-Trichloroethane	1000 (454)
1,1,2-Trichloroethane	100 (45.4)
Trichloroethylene	100 (45.4)
Trichloromethanesulfonyl chloride	100 (45.4)
Trichloromonofluoromethane	5000 (2270)
Trichlorophenol	10 (4.54)
2,3,4-Trichlorophenol	
2,3,5-Trichlorophenol	
2,3,6-Trichlorophenol	
3,4,5-Trichlorophenol	
2,4,5-Trichlorophenol	10 (4.54)
2,4,6-Trichlorophenol	10 (4.54)
Triethanolamine dodecylbenzenesulfonate	1000 (454)
Triethylamine	5000 (2270)
Trifluralin	10 (4.54)
Trimethylamine	100 (45.4)
2,2,4-Trimethylpentane	1000 (454)
1,3,5-Trinitrobenzene	10 (4.54)
1,3,5-Trioxane, 2,4,6-trimethyl-	1000 (454)
Tris(2,3-dibromopropyl) phosphate	10 (4.54)
Trypan blue	10 (4.54)
D002 Unlisted Hazardous Wastes Characteristic of Corrosivity	100 (45.4)
D001 Unlisted Hazardous Wastes Characteristic of Ignitability	100 (45.4)
D003 Unlisted Hazardous Wastes Characteristic of Reactivity	100 (45.4)
D004–D043 Unlisted Hazardous Wastes Characteristic of Toxicity:	
Arsenic (D004)	1 (0.454)
Barium (D005)	1000 (454)
Benzene (D018)	10 (4.54)
Cadmium (D006)	10 (4.54)
Carbon tetrachloride (D019)	10 (4.54)
Chlordane (D020)	1 (0.454)
Chlorobenzene (D021)	100 (45.4)
Chloroform (D022)	10 (4.54)
Chromium (D007)	10 (4.54)
o-Cresol (D023)	100 (45.4)
m-Cresol (D024)	100 (45.4)
p-Cresol (D025)	100 (45.4)
Cresol (D026)	100 (45.4)
2,4-D (D016)	100 (45.4)
1,4-Dichlorobenzene (D027)	100 (45.4)
1,2-Dichloroethane (D028)	100 (45.4)
1,1-Dichloroethylene (D029)	100 (45.4)
2,4-Dinitrotoluene (D030)	10 (4.54)
Endrin (D012)	1 (0.454)
Heptachlor (and epoxide) (D031)	1 (0.454)
Hexachlorobenzene (D032)	10 (4.54)
Hexachlorobutadiene (D033)	1 (0.454)
Hexachloroethane (D034)	100 (45.4)
Lead (D008)	10 (4.54)
Lindane (D013)	1 (0.454)
Mercury (D009)	1 (0.454)
Methoxychlor (D014)	1 (0.454)
Methyl ethyl ketone (D035)	5000 (2270)
Nitrobenzene (D036)	1000 (454)
Pentachlorophenol (D037)	10 (4.54)
Pyridine (D038)	1000 (454)
Selenium (D010)	10 (4.54)
Silver (D011)	1 (0.454)
Tetrachloroethylene (D039)	100 (45.4)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Toxaphene (D015)	1 (0.454)
Trichloroethylene (D040)	100 (45.4)
2,4,5-Trichlorophenol (D041)	10 (4.54)
2,4,6-Trichlorophenol (D042)	10 (4.54)
2,4,5-TP (D017)	100 (45.4)
Vinyl chloride (D043)	1 (0.454)
Uracil mustard	10 (4.54)
Uranyl acetate	100 (45.4)
Uranyl nitrate	100 (45.4)
Urea, N-ethyl-N-nitroso-	1 (0.454)
Urea, N-methyl-N-nitroso-	1 (0.454)
Urethane	100 (45.4)
Vanadic acid, ammonium salt	1000 (454)
Vanadium oxide V ₂ O ₅	1000 (454)
Vanadium pentoxide	1000 (454)
Vanadyl sulfate	1000 (454)
Vinyl acetate	5000 (2270)
Vinyl acetate monomer	5000 (2270)
Vinylamine, N-methyl-N-nitroso-	10 (4.54)
Vinyl bromide	100 (45.4)
Vinyl chloride	1 (0.454)
Vinylidene chloride	100 (45.4)
Warfarin, & salts	100 (45.4)
Xylene	100 (45.4)
m-Xylene	1000 (454)
o-Xylene	1000 (454)
p-Xylene	100 (45.4)
Xylene (mixed)	100 (45.4)
Xylenes (isomers and mixture)	100 (45.4)
Xylenol	1000 (454)
Yohimban-16-carboxylic acid,11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl) oxy]-, methyl ester (3beta,16beta,17alpha,18beta, 20alpha)	5000 (2270)
Zinc ϵ	1000 (454)
Zinc acetate	1000 (454)
Zinc ammonium chloride	1000 (454)
Zinc, bis(dimethylcarbamodithioato-S,S')-	10 (4.54)
Zinc borate	1000 (454)
Zinc bromide	1000 (454)
Zinc carbonate	1000 (454)
Zinc chloride	1000 (454)
Zinc cyanide Zn(CN) ₂	10 (4.54)
Zinc fluoride	1000 (454)
Zinc formate	1000 (454)
Zinc hydrosulfite	1000 (454)
Zinc nitrate	1000 (454)
Zinc phenolsulfonate	5000 (2270)
Zinc phosphide Zn ₃ P ₂	100 (45.4)
Zinc silicofluoride	5000 (2270)
Zinc sulfate	1000 (454)
Ziram	10 (4.54)
Zirconium nitrate	5000 (2270)
Zirconium potassium fluoride	1000 (454)
Zirconium sulfate	5000 (2270)
Zirconium tetrachloride	5000 (2270)
F001	10 (4.54)
(a) Tetrachloroethylene	100 (45.4)
(b) Trichloroethylene	100 (45.4)
(c) Methylene chloride	1000 (454)
(d) 1,1,1-Trichloroethane	1000 (454)
(e) Carbon tetrachloride	10 (4.54)
(f) Chlorinated fluorocarbons	5000 (2270)
F002	10 (4.54)
(a) Tetrachloroethylene	100 (45.4)
(b) Methylene chloride	1000 (454)
(c) Trichloroethylene	100 (45.4)
(d) 1,1,1-Trichloroethane	1000 (454)
(e) Chlorobenzene	100 (45.4)
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane	5000 (2270)
(g) o-Dichlorobenzene	100 (45.4)
(h) Trichlorofluoromethane	5000 (2270)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
F003 (i) 1,1,2-Trichloroethane	100 (45.4)
.....	100 (45.4)
(a) Xylene	1000 (454)
(b) Acetone	5000 (2270)
(c) Ethyl acetate	5000 (2270)
(d) Ethylbenzene	1000 (454)
(e) Ethyl ether	100 (45.4)
(f) Methyl isobutyl ketone	5000 (2270)
(g) n-Butyl alcohol	5000 (2270)
(h) Cyclohexanone	5000 (2270)
(i) Methanol	5000 (2270)
F004	100 (45.4)
(a) Cresols/Cresylic acid	100 (45.4)
(b) Nitrobenzene	1000 (454)
F005	100 (45.4)
(a) Toluene	1000 (454)
(b) Methyl ethyl ketone	5000 (2270)
(c) Carbon disulfide	100 (45.4)
(d) Isobutanol	5000 (2270)
(e) Pyridine	1000 (454)
F006	10 (4.54)
F007	10 (4.54)
F008	10 (4.54)
F009	10 (4.54)
F010	10 (4.54)
F011	10 (4.54)
F012	10 (4.54)
F019	10 (4.54)
F020	1 (0.454)
F021	1 (0.454)
F022	1 (0.454)
F023	1 (0.454)
F024	1 (0.454)
F025	1 (0.454)
F026	1 (0.454)
F027	1 (0.454)
F028	1 (0.454)
F032	1 (0.454)
F034	1 (0.454)
F035	1 (0.454)
F037	1 (0.454)
F038	1 (0.454)
F039	1 (0.454)
K001	1 (0.454)
K002	10 (4.54)
K003	10 (4.54)
K004	10 (4.54)
K005	10 (4.54)
K006	10 (4.54)
K007	10 (4.54)
K008	10 (4.54)
K009	10 (4.54)
K010	10 (4.54)
K011	10 (4.54)
K013	10 (4.54)
K014	5000 (2270)
K015	10 (4.54)
K016	1 (0.454)
K017	10 (4.54)
K018	1 (0.454)
K019	1 (0.454)
K020	1 (0.454)
K021	10 (4.54)
K022	1 (0.454)
K023	5000 (2270)
K024	5000 (2270)
K025	10 (4.54)
K026	1000 (454)
K027	10 (4.54)
K028	1 (0.454)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
K029	1 (0.454)
K030	1 (0.454)
K031	1 (0.454)
K032	10 (4.54)
K033	10 (4.54)
K034	10 (4.54)
K035	1 (0.454)
K036	1 (0.454)
K037	1 (0.454)
K038	10 (4.54)
K039	10 (4.54)
K040	10 (4.54)
K041	1 (0.454)
K042	10 (4.54)
K043	10 (4.54)
K044	10 (4.54)
K045	10 (4.54)
K046	10 (4.54)
K047	10 (4.54)
K048	10 (4.54)
K049	10 (4.54)
K050	10 (4.54)
K051	10 (4.54)
K052	10 (4.54)
K060	1 (0.454)
K061	10 (4.54)
K062	10 (4.54)
K064	10 (4.54)
K065	10 (4.54)
K066	10 (4.54)
K069	10 (4.54)
K071	1 (0.454)
K073	10 (4.54)
K083	100 (45.4)
K084	1 (0.454)
K085	10 (4.54)
K086	10 (4.54)
K087	100 (45.4)
K088	10 (4.54)
K090	10 (4.54)
K091	10 (4.54)
K093	5000 (2270)
K094	5000 (2270)
K095	100 (45.4)
K096	100 (45.4)
K097	1 (0.454)
K098	1 (0.454)
K099	10 (4.54)
K100	10 (4.54)
K101	1 (0.454)
K102	1 (0.454)
K103	100 (45.4)
K104	10 (4.54)
K105	10 (4.54)
K106	1 (0.454)
K107	10 (4.54)
K108	10 (4.54)
K109	10 (4.54)
K110	10 (4.54)
K111	10 (4.54)
K112	10 (4.54)
K113	10 (4.54)
K114	10 (4.54)
K115	10 (4.54)
K116	10 (4.54)
K117	1 (0.454)
K118	1 (0.454)
K123	10 (4.54)
K124	10 (4.54)
K125	10 (4.54)

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES—Continued

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
K126	10 (4.54)
K131	100 (45.4)
K132	1000 (454)
K136	1 (0.454)
K141	1 (0.454)
K142	1 (0.454)
K143	1 (0.454)
K144	1 (0.454)
K145	1 (0.454)
K147	1 (0.454)
K148	1 (0.454)
K149	10 (4.54)
K150	10 (4.54)
K151	10 (4.54)
K156	10 (4.54)
K157	10 (4.54)
K158	10 (4.54)
K159	10 (4.54)
K161	1 (0.454)
K169	10 (4.54)
K170	1 (0.454)
K171	1 (0.454)
K172	1 (0.454)
K174	1 (0.454)
K175	1 (0.454)
K176	1 (0.454)
K177	5000 (2270)
K178	1000 (454)
K181	1 (0.454)

ε The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches).

ε The RQ for asbestos is limited to friable forms only.

® Indicates that the name was added by PHMSA because (1) the name is a synonym for a specific hazardous substance and (2) the name appears in the Hazardous Materials Table as a proper shipping name.

* To provide consistency with EPA regulations, two entries with different CAS numbers are provided. Refer to the EPA Table 302.4—List of Hazardous Substances and Reportable Quantities for an explanation of the two entries.

LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

TABLE 2 TO APPENDIX A—RADIONUCLIDES

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Actinium-224	89	100 (3.7)
Actinium-225	89	1 (.037)
Actinium-226	89	10 (.37)
Actinium-227	89	0.001 (.00037)
Actinium-228	89	10 (.37)
Aluminum-26	13	10 (.37)
Americium-237	95	1000 (37)
Americium-238	95	100 (3.7)
Americium-239	95	100 (3.7)
Americium-240	95	10 (.37)
Americium-241	95	0.01 (.00037)
Americium-242	95	100 (3.7)
Americium-242m	95	0.01 (.00037)
Americium-243	95	0.01 (.00037)
Americium-244	95	10 (.37)
Americium-244m	95	1000 (37)
Americium-245	95	1000 (37)
Americium-246	95	1000 (37)
Americium-246m	95	1000 (37)
Antimony-115	51	1000 (37)
Antimony-116	51	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Antimony-116m	51	100 (3.7)
Antimony-117	51	1000 (37)
Antimony-118m	51	10 (.37)
Antimony-119	51	1000 (37)
Antimony-120 (16 min)	51	1000 (37)
Antimony-120 (5.76 day)	51	10 (.37)
Antimony-122	51	10 (.37)
Antimony-124	51	10 (.37)
Antimony-124m	51	1000 (37)
Antimony-125	51	10 (.37)
Antimony-126	51	10 (.37)
Antimony-126m	51	1000 (37)
Antimony-127	51	10 (.37)
Antimony-128 (10.4 min)	51	1000 (37)
Antimony-128 (9.01 hr)	51	10 (.37)
Antimony-129	51	100 (3.7)
Antimony-130	51	100 (3.7)
Antimony-131	51	1000 (37)
Argon-39	18	1000 (37)
Argon-41	18	10 (.37)
Arsenic-69	33	1000 (37)
Arsenic-70	33	100 (3.7)
Arsenic-71	33	100 (3.7)

§ 172.101

49 CFR Ch. I (10–1–09 Edition)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)— Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Arsenic-72	33	10 (.37)
Arsenic-73	33	100 (3.7)
Arsenic-74	33	10 (.37)
Arsenic-76	33	100 (3.7)
Arsenic-77	33	1000 (37)
Arsenic-78	33	100 (3.7)
Astatine-207	85	100 (3.7)
Astatine-211	85	100 (3.7)
Barium-126	56	1000 (37)
Barium-128	56	10 (.37)
Barium-131	56	10 (.37)
Barium-131m	56	1000 (37)
Barium-133	56	10 (.37)
Barium-133m	56	100 (3.7)
Barium-135m	56	1000 (37)
Barium-139	56	1000 (37)
Barium-140	56	10 (.37)
Barium-141	56	1000 (37)
Barium-142	56	1000 (37)
Berkelium-245	97	100 (3.7)
Berkelium-246	97	10 (.37)
Berkelium-247	97	0.01 (.00037)
Berkelium-249	97	1 (.037)
Berkelium-250	97	100 (3.7)
Beryllium-10	4	1 (.037)
Beryllium-7	4	100 (3.7)
Bismuth-200	83	100 (3.7)
Bismuth-201	83	100 (3.7)
Bismuth-202	83	1000 (37)
Bismuth-203	83	10 (.37)
Bismuth-205	83	10 (.37)
Bismuth-206	83	10 (.37)
Bismuth-207	83	10 (.37)
Bismuth-210	83	10 (.37)
Bismuth-210m	83	0.1 (.0037)
Bismuth-212	83	100 (3.7)
Bismuth-213	83	100 (3.7)
Bismuth-214	83	100 (3.7)
Bromine-74	35	100 (3.7)
Bromine-74m	35	100 (3.7)
Bromine-75	35	100 (3.7)
Bromine-76	35	10 (.37)
Bromine-77	35	100 (3.7)
Bromine-80	35	1000 (37)
Bromine-80m	35	1000 (37)
Bromine-82	35	10 (.37)
Bromine-83	35	1000 (37)
Bromine-84	35	100 (3.7)
Cadmium-104	48	1000 (37)
Cadmium-107	48	1000 (37)
Cadmium-109	48	1 (.037)
Cadmium-113	48	0.1 (.0037)
Cadmium-113m	48	0.1 (.0037)
Cadmium-115	48	100 (3.7)
Cadmium-115m	48	10 (.37)
Cadmium-117	48	100 (3.7)
Cadmium-117m	48	10 (.37)
Calcium-41	20	10 (.37)
Calcium-45	20	10 (.37)
Calcium-47	20	10 (.37)
Californium-244	98	1000 (37)
Californium-246	98	10 (.37)
Californium-248	98	0.1 (.0037)
Californium-249	98	0.01 (.00037)
Californium-250	98	0.01 (.00037)
Californium-251	98	0.01 (.00037)
Californium-252	98	0.1 (.0037)
Californium-253	98	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)— Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Californium-254	98	0.1 (.0037)
Carbon-11	6	1000 (37)
Carbon-14	6	10 (.37)
Cerium-134	58	10 (.37)
Cerium-135	58	10 (.37)
Cerium-137	58	1000 (37)
Cerium-137m	58	100 (3.7)
Cerium-139	58	100 (3.7)
Cerium-141	58	10 (.37)
Cerium-143	58	100 (3.7)
Cerium-144	58	1 (.037)
Cesium-125	55	1000 (37)
Cesium-127	55	100 (3.7)
Cesium-129	55	100 (3.7)
Cesium-130	55	1000 (37)
Cesium-131	55	1000 (37)
Cesium-132	55	10 (.37)
Cesium-134	55	1 (.037)
Cesium-134m	55	1000 (37)
Cesium-135	55	10 (.37)
Cesium-135m	55	100 (3.7)
Cesium-136	55	10 (.37)
Cesium-137	55	1 (.037)
Cesium-138	55	100 (3.7)
Chlorine-36	17	10 (.37)
Chlorine-38	17	100 (3.7)
Chlorine-39	17	100 (3.7)
Chromium-48	24	100 (3.7)
Chromium-49	24	1000 (37)
Chromium-51	24	1000 (37)
Cobalt-55	27	10 (.37)
Cobalt-56	27	10 (.37)
Cobalt-57	27	100 (3.7)
Cobalt-58	27	10 (.37)
Cobalt-58m	27	1000 (37)
Cobalt-60	27	10 (.37)
Cobalt-60m	27	1000 (37)
Cobalt-61	27	1000 (37)
Cobalt-62m	27	1000 (37)
Copper-60	29	100 (3.7)
Copper-61	29	100 (3.7)
Copper-64	29	1000 (37)
Copper-67	29	100 (3.7)
Curium-238	96	1000 (37)
Curium-240	96	1 (.037)
Curium-241	96	10 (.37)
Curium-242	96	1 (.037)
Curium-243	96	0.01 (.00037)
Curium-244	96	0.01 (.00037)
Curium-245	96	0.01 (.00037)
Curium-246	96	0.01 (.00037)
Curium-247	96	0.01 (.00037)
Curium-248	96	0.001 (.00037)
Curium-249	96	1000 (37)
Dysprosium-155	66	100 (3.7)
Dysprosium-157	66	100 (3.7)
Dysprosium-159	66	100 (3.7)
Dysprosium-165	66	1000 (37)
Dysprosium-166	66	10 (.37)
Einsteinium-250	99	10 (.37)
Einsteinium-251	99	1000 (37)
Einsteinium-253	99	10 (.37)
Einsteinium-254	99	0.1 (.0037)
Einsteinium-254m	99	1 (.037)
Erbium-161	68	100 (3.7)
Erbium-165	68	1000 (37)
Erbium-169	68	100 (3.7)
Erbium-171	68	100 (3.7)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Erbium-172	68	10 (.37)
Europium-145	63	10 (.37)
Europium-146	63	10 (.37)
Europium-147	63	10 (.37)
Europium-148	63	10 (.37)
Europium-149	63	100 (3.7)
Europium-150 (12.6 hr)	63	1000 (37)
Europium-150 (34.2 yr)	63	10 (.37)
Europium-152	63	10 (.37)
Europium-152m	63	100 (3.7)
Europium-154	63	10 (.37)
Europium-155	63	10 (.37)
Europium-156	63	10 (.37)
Europium-157	63	10 (.37)
Europium-158	63	1000 (37)
Fermium-252	100	10 (.37)
Fermium-253	100	10 (.37)
Fermium-254	100	100 (3.7)
Fermium-255	100	100 (3.7)
Fermium-257	100	1 (.037)
Fluorine-18	9	1000 (37)
Francium-222	87	100 (3.7)
Francium-223	87	100 (3.7)
Gadolinium-145	64	100 (3.7)
Gadolinium-146	64	10 (.37)
Gadolinium-147	64	10 (.37)
Gadolinium-148	64	0.001 (.000037)
Gadolinium-149	64	100 (3.7)
Gadolinium-151	64	100 (3.7)
Gadolinium-152	64	0.001 (.000037)
Gadolinium-153	64	10 (.37)
Gadolinium-159	64	1000 (37)
Gallium-65	31	1000 (37)
Gallium-66	31	10 (.37)
Gallium-67	31	100 (3.7)
Gallium-68	31	1000 (37)
Gallium-70	31	1000 (37)
Gallium-72	31	10 (.37)
Gallium-73	31	100 (3.7)
Germanium-66	32	100 (3.7)
Germanium-67	32	1000 (37)
Germanium-68	32	10 (.37)
Germanium-69	32	10 (.37)
Germanium-71	32	1000 (37)
Germanium-75	32	1000 (37)
Germanium-77	32	10 (.37)
Germanium-78	32	1000 (37)
Gold-193	79	100 (3.7)
Gold-194	79	10 (.37)
Gold-195	79	100 (3.7)
Gold-198	79	100 (3.7)
Gold-198m	79	10 (.37)
Gold-199	79	100 (3.7)
Gold-200	79	1000 (37)
Gold-200m	79	10 (.37)
Gold-201	79	1000 (37)
Hafnium-170	72	100 (3.7)
Hafnium-172	72	1 (.037)
Hafnium-173	72	100 (3.7)
Hafnium-175	72	100 (3.7)
Hafnium-177m	72	1000 (37)
Hafnium-178m	72	0.1 (.0037)
Hafnium-179m	72	100 (3.7)
Hafnium-180m	72	100 (3.7)
Hafnium-181	72	10 (.37)
Hafnium-182	72	0.1 (.0037)
Hafnium-182m	72	100 (3.7)
Hafnium-183	72	100 (3.7)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Hafnium-184	72	100 (3.7)
Holmium-155	67	1000 (37)
Holmium-157	67	1000 (37)
Holmium-159	67	1000 (37)
Holmium-161	67	1000 (37)
Holmium-162	67	1000 (37)
Holmium-162m	67	1000 (37)
Holmium-164	67	1000 (37)
Holmium-164m	67	1000 (37)
Holmium-166	67	100 (3.7)
Holmium-166m	67	1 (.037)
Holmium-167	67	100 (3.7)
Hydrogen-3	1	100 (3.7)
Indium-109	49	100 (3.7)
Indium-110 (4.9 hr)	49	10 (.37)
Indium-110 (69.1 min)	49	100 (3.7)
Indium-111	49	100 (3.7)
Indium-112	49	1000 (37)
Indium-113m	49	1000 (37)
Indium-114m	49	10 (.37)
Indium-115	49	0.1 (.0037)
Indium-115m	49	100 (3.7)
Indium-116m	49	100 (3.7)
Indium-117	49	1000 (37)
Indium-117m	49	100 (3.7)
Indium-119m	49	1000 (37)
Iodine-120	53	10 (.37)
Iodine-120m	53	100 (3.7)
Iodine-121	53	100 (3.7)
Iodine-123	53	10 (.37)
Iodine-124	53	0.1 (.0037)
Iodine-125	53	0.01 (.00037)
Iodine-126	53	0.01 (.00037)
Iodine-128	53	1000 (37)
Iodine-129	53	0.001 (.000037)
Iodine-130	53	1 (.037)
Iodine-131	53	0.01 (.00037)
Iodine-132	53	10 (.37)
Iodine-132m	53	10 (.37)
Iodine-133	53	0.1 (.0037)
Iodine-134	53	100 (3.7)
Iodine-135	53	10 (.37)
Iridium-182	77	1000 (37)
Iridium-184	77	100 (3.7)
Iridium-185	77	100 (3.7)
Iridium-186	77	10 (.37)
Iridium-187	77	100 (3.7)
Iridium-188	77	10 (.37)
Iridium-189	77	100 (3.7)
Iridium-190	77	10 (.37)
Iridium-190m	77	1000 (37)
Iridium-192	77	10 (.37)
Iridium-192m	77	100 (3.7)
Iridium-194	77	100 (3.7)
Iridium-194m	77	10 (.37)
Iridium-195	77	1000 (37)
Iridium-195m	77	100 (3.7)
Iron-52	26	100 (3.7)
Iron-55	26	100 (3.7)
Iron-59	26	10 (.37)
Iron-60	26	0.1 (.0037)
Krypton-74	36	10 (.37)
Krypton-76	36	10 (.37)
Krypton-77	36	10 (.37)
Krypton-79	36	100 (3.7)
Krypton-81	36	1000 (37)
Krypton-83m	36	1000 (37)
Krypton-85	36	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Krypton-85m	36	100 (3.7)
Krypton-87	36	10 (.37)
Krypton-88	36	10 (.37)
Lanthanum-131	57	1000 (37)
Lanthanum-132	57	100 (3.7)
Lanthanum-135	57	1000 (37)
Lanthanum-137	57	10 (.37)
Lanthanum-138	57	1 (.037)
Lanthanum-140	57	10 (.37)
Lanthanum-141	57	1000 (37)
Lanthanum-142	57	100 (3.7)
Lanthanum-143	57	1000 (37)
Lead-195m	82	1000 (37)
Lead-198	82	100 (3.7)
Lead-199	82	100 (3.7)
Lead-200	82	100 (3.7)
Lead-201	82	100 (3.7)
Lead-202	82	1 (.037)
Lead-202m	82	10 (.37)
Lead-203	82	100 (3.7)
Lead-205	82	100 (3.7)
Lead-209	82	1000 (37)
Lead-210	82	0.01 (.00037)
Lead-211	82	100 (3.7)
Lead-212	82	10 (.37)
Lead-214	82	100 (3.7)
Lutetium-169	71	10 (.37)
Lutetium-170	71	10 (.37)
Lutetium-171	71	10 (.37)
Lutetium-172	71	10 (.37)
Lutetium-173	71	100 (3.7)
Lutetium-174	71	10 (.37)
Lutetium-174m	71	10 (.37)
Lutetium-176	71	1 (.037)
Lutetium-176m	71	1000 (37)
Lutetium-177	71	100 (3.7)
Lutetium-177m	71	10 (.37)
Lutetium-178	71	1000 (37)
Lutetium-178m	71	1000 (37)
Lutetium-179	71	1000 (37)
Magnesium-28	12	10 (.37)
Manganese-51	25	1000 (37)
Manganese-52	25	10 (.37)
Manganese-52m	25	1000 (37)
Manganese-53	25	1000 (37)
Manganese-54	25	10 (.37)
Manganese-56	25	100 (3.7)
Mendelevium-257	101	100 (3.7)
Mendelevium-258	101	1 (.037)
Mercury-193	80	100 (3.7)
Mercury-193m	80	10 (.37)
Mercury-194	80	0.1 (.0037)
Mercury-195	80	100 (3.7)
Mercury-195m	80	100 (3.7)
Mercury-197	80	1000 (37)
Mercury-197m	80	1000 (37)
Mercury-199m	80	1000 (37)
Mercury-203	80	10 (.37)
Molybdenum-101	42	1000 (37)
Molybdenum-90	42	100 (3.7)
Molybdenum-93	42	100 (3.7)
Molybdenum-93m	42	10 (.37)
Molybdenum-99	42	100 (3.7)
Neodymium-136	60	1000 (37)
Neodymium-138	60	1000 (37)
Neodymium-139	60	1000 (37)
Neodymium-139m	60	100 (3.7)
Neodymium-141	60	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Neodymium-147	60	10 (.37)
Neodymium-149	60	100 (3.7)
Neodymium-151	60	1000 (37)
Neptunium-232	93	1000 (37)
Neptunium-233	93	1000 (37)
Neptunium-234	93	10 (.37)
Neptunium-235	93	1000 (37)
Neptunium-236 (1.2 E 5 yr)	93	0.1 (.0037)
Neptunium-236 (22.5 hr)	93	100 (3.7)
Neptunium-237	93	0.01 (.00037)
Neptunium-238	93	10 (.37)
Neptunium-239	93	100 (3.7)
Neptunium-240	93	100 (3.7)
Nickel-56	28	10 (.37)
Nickel-57	28	10 (.37)
Nickel-59	28	100 (3.7)
Nickel-63	28	100 (3.7)
Nickel-65	28	100 (3.7)
Nickel-66	28	10 (.37)
Niobium-88	41	100 (3.7)
Niobium-89 (122 min)	41	100 (3.7)
Niobium-89 (66 min)	41	100 (3.7)
Niobium-90	41	10 (.37)
Niobium-93m	41	100 (3.7)
Niobium-94	41	10 (.37)
Niobium-95	41	10 (.37)
Niobium-95m	41	100 (3.7)
Niobium-96	41	10 (.37)
Niobium-97	41	100 (3.7)
Niobium-98	41	1000 (37)
Osmium-180	76	1000 (37)
Osmium-181	76	100 (3.7)
Osmium-182	76	100 (3.7)
Osmium-185	76	10 (.37)
Osmium-189m	76	1000 (37)
Osmium-191	76	100 (3.7)
Osmium-191m	76	1000 (37)
Osmium-193	76	100 (3.7)
Osmium-194	76	1 (.037)
Palladium-100	46	100 (3.7)
Palladium-101	46	100 (3.7)
Palladium-103	46	100 (3.7)
Palladium-107	46	100 (3.7)
Palladium-109	46	1000 (37)
Phosphorus-32	15	0.1 (.0037)
Phosphorus-33	15	1 (.037)
Platinum-186	78	100 (3.7)
Platinum-188	78	100 (3.7)
Platinum-189	78	100 (3.7)
Platinum-191	78	100 (3.7)
Platinum-193	78	1000 (37)
Platinum-193m	78	100 (3.7)
Platinum-195m	78	100 (3.7)
Platinum-197	78	1000 (37)
Platinum-197m	78	1000 (37)
Platinum-199	78	1000 (37)
Platinum-200	78	100 (3.7)
Plutonium-234	94	1000 (37)
Plutonium-235	94	1000 (37)
Plutonium-236	94	0.1 (.0037)
Plutonium-237	94	1000 (37)
Plutonium-238	94	0.01 (.00037)
Plutonium-239	94	0.01 (.00037)
Plutonium-240	94	0.01 (.00037)
Plutonium-241	94	1 (.037)
Plutonium-242	94	0.01 (.00037)
Plutonium-243	94	1000 (37)
Plutonium-244	94	0.01 (.00037)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Plutonium-245	94	100 (3.7)
Polonium-203	84	100 (3.7)
Polonium-205	84	100 (3.7)
Polonium-207	84	10 (.37)
Polonium-210	84	0.01 (.00037)
Potassium-40	19	1 (.037)
Potassium-42	19	100 (3.7)
Potassium-43	19	10 (.37)
Potassium-44	19	100 (3.7)
Potassium-45	19	1000 (37)
Praseodymium-136	59	1000 (37)
Praseodymium-137	59	1000 (37)
Praseodymium-138m	59	100 (3.7)
Praseodymium-139	59	1000 (37)
Praseodymium-142	59	100 (3.7)
Praseodymium-142m	59	1000 (37)
Praseodymium-143	59	10 (.37)
Praseodymium-144	59	1000 (37)
Praseodymium-145	59	1000 (37)
Praseodymium-147	59	1000 (37)
Promethium-141	61	1000 (37)
Promethium-143	61	100 (3.7)
Promethium-144	61	10 (.37)
Promethium-145	61	100 (3.7)
Promethium-146	61	10 (.37)
Promethium-147	61	10 (.37)
Promethium-148	61	10 (.37)
Promethium-148m	61	10 (.37)
Promethium-149	61	100 (3.7)
Promethium-150	61	100 (3.7)
Promethium-151	61	100 (3.7)
Protactinium-227	91	100 (3.7)
Protactinium-228	91	10 (.37)
Protactinium-230	91	10 (.37)
Protactinium-231	91	0.01 (.00037)
Protactinium-232	91	10 (.37)
Protactinium-233	91	100 (3.7)
Protactinium-234	91	10 (.37)
RADIONUCLIDES \$†		1 (.037)
Radium-223	88	1 (.037)
Radium-224	88	10 (.37)
Radium-225	88	1 (.037)
Radium-226 **	88	0.1 (.0037)
Radium-227	88	1000 (37)
Radium-228	88	0.1 (.0037)
Radon-220	86	0.1 (.0037)
Radon-222	86	0.1 (.0037)
Rhenium-177	75	1000 (37)
Rhenium-178	75	1000 (37)
Rhenium-181	75	100 (3.7)
Rhenium-182 (12.7 hr)	75	10 (.37)
Rhenium-182 (64.0 hr)	75	10 (.37)
Rhenium-184	75	10 (.37)
Rhenium-184m	75	10 (.37)
Rhenium-186	75	100 (3.7)
Rhenium-186m	75	10 (.37)
Rhenium-187	75	1000 (37)
Rhenium-188	75	1000 (37)
Rhenium-188m	75	1000 (37)
Rhenium-189	75	1000 (37)
Rhodium-100	45	10 (.37)
Rhodium-101	45	10 (.37)
Rhodium-101m	45	100 (3.7)
Rhodium-102	45	10 (.37)
Rhodium-102m	45	10 (.37)
Rhodium-103m	45	1000 (37)
Rhodium-105	45	100 (3.7)
Rhodium-106m	45	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Rhodium-107	45	1000 (37)
Rhodium-99	45	10 (.37)
Rhodium-99m	45	100 (3.7)
Rubidium-79	37	1000 (37)
Rubidium-81	37	100 (3.7)
Rubidium-81m	37	1000 (37)
Rubidium-82m	37	10 (.37)
Rubidium-83	37	10 (.37)
Rubidium-84	37	10 (.37)
Rubidium-86	37	10 (.37)
Rubidium-87	37	10 (.37)
Rubidium-88	37	1000 (37)
Rubidium-89	37	1000 (37)
Ruthenium-103	44	10 (.37)
Ruthenium-105	44	100 (3.7)
Ruthenium-106	44	1 (.037)
Ruthenium-94	44	1000 (37)
Ruthenium-97	44	100 (3.7)
Samarium-141	62	1000 (37)
Samarium-141m	62	1000 (37)
Samarium-142	62	1000 (37)
Samarium-145	62	100 (3.7)
Samarium-146	62	0.01 (.00037)
Samarium-147	62	0.01 (.00037)
Samarium-151	62	10 (.37)
Samarium-153	62	100 (3.7)
Samarium-155	62	1000 (37)
Samarium-156	62	100 (3.7)
Scandium-43	21	1000 (37)
Scandium-44	21	100 (3.7)
Scandium-44m	21	10 (.37)
Scandium-46	21	10 (.37)
Scandium-47	21	100 (3.7)
Scandium-48	21	10 (.37)
Scandium-49	21	1000 (37)
Selenium-70	34	1000 (37)
Selenium-73	34	10 (.37)
Selenium-73m	34	100 (3.7)
Selenium-75	34	10 (.37)
Selenium-79	34	10 (.37)
Selenium-81	34	1000 (37)
Selenium-81m	34	1000 (37)
Selenium-83	34	1000 (37)
Silicon-31	14	1000 (37)
Silicon-32	14	1 (.037)
Silver-102	47	100 (3.7)
Silver-103	47	1000 (37)
Silver-104	47	1000 (37)
Silver-104m	47	1000 (37)
Silver-105	47	10 (.37)
Silver-106	47	1000 (37)
Silver-106m	47	10 (.37)
Silver-108m	47	10 (.37)
Silver-110m	47	10 (.37)
Silver-111	47	10 (.37)
Silver-112	47	100 (3.7)
Silver-115	47	1000 (37)
Sodium-22	11	10 (.37)
Sodium-24	11	10 (.37)
Strontium-80	38	100 (3.7)
Strontium-81	38	1000 (37)
Strontium-83	38	100 (3.7)
Strontium-85	38	10 (.37)
Strontium-85m	38	1000 (37)
Strontium-87m	38	100 (3.7)
Strontium-89	38	10 (.37)
Strontium-90	38	0.1 (.0037)
Strontium-91	38	10 (.37)

§ 172.101

49 CFR Ch. I (10–1–09 Edition)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Strontium-92	38	100 (3.7)
Sulfur-35	16	1 (.037)
Tantalum-172	73	100 (3.7)
Tantalum-173	73	100 (3.7)
Tantalum-174	73	100 (3.7)
Tantalum-175	73	100 (3.7)
Tantalum-176	73	10 (.37)
Tantalum-177	73	1000 (37)
Tantalum-178	73	1000 (37)
Tantalum-179	73	1000 (37)
Tantalum-180	73	100 (3.7)
Tantalum-180m	73	1000 (37)
Tantalum-182	73	10 (.37)
Tantalum-182m	73	1000 (37)
Tantalum-183	73	100 (3.7)
Tantalum-184	73	10 (.37)
Tantalum-185	73	1000 (37)
Tantalum-186	73	1000 (37)
Technetium-101	43	1000 (37)
Technetium-104	43	1000 (37)
Technetium-93	43	100 (3.7)
Technetium-93m	43	1000 (37)
Technetium-94	43	10 (.37)
Technetium-94m	43	100 (3.7)
Technetium-96	43	10 (.37)
Technetium-96m	43	1000 (37)
Technetium-97	43	100 (3.7)
Technetium-97m	43	100 (3.7)
Technetium-98	43	10 (.37)
Technetium-99	43	10 (.37)
Technetium-99m	43	100 (3.7)
Tellurium-116	52	1000 (37)
Tellurium-121	52	10 (.37)
Tellurium-121m	52	10 (.37)
Tellurium-123	52	10 (.37)
Tellurium-123m	52	10 (.37)
Tellurium-125m	52	10 (.37)
Tellurium-127	52	1000 (37)
Tellurium-127m	52	10 (.37)
Tellurium-129	52	1000 (37)
Tellurium-129m	52	10 (.37)
Tellurium-131	52	1000 (37)
Tellurium-131m	52	10 (.37)
Tellurium-132	52	10 (.37)
Tellurium-133	52	1000 (37)
Tellurium-133m	52	1000 (37)
Tellurium-134	52	1000 (37)
Terbium-147	65	100 (3.7)
Terbium-149	65	100 (3.7)
Terbium-150	65	100 (3.7)
Terbium-151	65	10 (.37)
Terbium-153	65	100 (3.7)
Terbium-154	65	10 (.37)
Terbium-155	65	100 (3.7)
Terbium-156	65	10 (.37)
Terbium-156m (24.4 hr)	65	1000 (37)
Terbium-156m (5.0 hr)	65	1000 (37)
Terbium-157	65	100 (3.7)
Terbium-158	65	10 (.37)
Terbium-160	65	10 (.37)
Terbium-161	65	100 (3.7)
Thallium-194	81	1000 (37)
Thallium-194m	81	100 (3.7)
Thallium-195	81	100 (3.7)
Thallium-197	81	100 (3.7)
Thallium-198	81	10 (.37)
Thallium-198m	81	100 (3.7)
Thallium-199	81	100 (3.7)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Thallium-200	81	10 (.37)
Thallium-201	81	1000 (37)
Thallium-202	81	10 (.37)
Thallium-204	81	10 (.37)
Thorium (Irradiated)	90	***
Thorium (Natural)	90	**
Thorium-226	90	100 (3.7)
Thorium-227	90	1 (.037)
Thorium-228	90	0.01 (.00037)
Thorium-229	90	0.001 (.00037)
Thorium-230	90	0.01 (.00037)
Thorium-231	90	100 (3.7)
Thorium-232 **	90	0.001 (.00037)
Thorium-234	90	100 (3.7)
Thulium-162	69	1000 (37)
Thulium-166	69	10 (.37)
Thulium-167	69	100 (3.7)
Thulium-170	69	10 (.37)
Thulium-171	69	100 (3.7)
Thulium-172	69	100 (3.7)
Thulium-173	69	100 (3.7)
Thulium-175	69	1000 (37)
Tin-110	50	100 (3.7)
Tin-111	50	1000 (37)
Tin-113	50	10 (.37)
Tin-117m	50	100 (3.7)
Tin-119m	50	10 (.37)
Tin-121	50	1000 (37)
Tin-121m	50	10 (.37)
Tin-123	50	10 (.37)
Tin-123m	50	1000 (37)
Tin-125	50	10 (.37)
Tin-126	50	1 (.037)
Tin-127	50	100 (3.7)
Tin-128	50	1000 (37)
Titanium-44	22	1 (.037)
Titanium-45	22	1000 (37)
Tungsten-176	74	1000 (37)
Tungsten-177	74	100 (3.7)
Tungsten-178	74	100 (3.7)
Tungsten-179	74	1000 (37)
Tungsten-181	74	100 (3.7)
Tungsten-185	74	10 (.37)
Tungsten-187	74	100 (3.7)
Tungsten-188	74	10 (.37)
Uranium (Depleted)	92	***
Uranium (Irradiated)	92	***
Uranium (Natural)	92	**
Uranium Enriched 20% or greater	92	***
Uranium Enriched less than 20%	92	***
Uranium-230	92	1 (.037)
Uranium-231	92	1000 (37)
Uranium-232	92	0.01 (.00037)
Uranium-233	92	0.1 (.0037)
Uranium-234 **	92	0.1 (.0037)
Uranium-235 **	92	0.1 (.0037)
Uranium-236	92	0.1 (.0037)
Uranium-237	92	100 (3.7)
Uranium-238 **	92	0.1 (.0037)
Uranium-239	92	1000 (37)
Uranium-240	92	1000 (37)
Vanadium-47	23	1000 (37)
Vanadium-48	23	10 (.37)
Vanadium-49	23	1000 (37)
Xenon-120	54	100 (3.7)
Xenon-121	54	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Xenon-122	54	100 (3.7)
Xenon-123	54	10 (.37)
Xenon-125	54	100 (3.7)
Xenon-127	54	100 (3.7)
Xenon-129m	54	1000 (37)
Xenon-131m	54	1000 (37)
Xenon-133	54	1000 (37)
Xenon-133m	54	1000 (37)
Xenon-135	54	100 (3.7)
Xenon-135m	54	10 (.37)
Xenon-138	54	10 (.37)
Ytterbium-162	70	1000 (37)
Ytterbium-166	70	10 (.37)
Ytterbium-167	70	1000 (37)
Ytterbium-169	70	10 (.37)
Ytterbium-175	70	100 (3.7)
Ytterbium-177	70	1000 (37)
Ytterbium-178	70	1000 (37)
Yttrium-86	39	10 (.37)
Yttrium-86m	39	1000 (37)
Yttrium-87	39	10 (.37)
Yttrium-88	39	10 (.37)
Yttrium-90	39	10 (.37)
Yttrium-90m	39	100 (3.7)
Yttrium-91	39	10 (.37)
Yttrium-91m	39	1000 (37)
Yttrium-92	39	100 (3.7)
Yttrium-93	39	100 (3.7)
Yttrium-94	39	1000 (37)
Yttrium-95	39	1000 (37)
Zinc-62	30	100 (3.7)
Zinc-63	30	1000 (37)
Zinc-65	30	10 (.37)
Zinc-69	30	1000 (37)
Zinc-69m	30	100 (3.7)
Zinc-71m	30	100 (3.7)
Zinc-72	30	100 (3.7)
Zirconium-86	40	100 (3.7)
Zirconium-88	40	10 (.37)
Zirconium-89	40	100 (3.7)
Zirconium-93	40	1 (.037)
Zirconium-95	40	10 (.37)
Zirconium-97	40	10 (.37)

\$The RQs for all radionuclides apply to chemical compounds containing the radionuclides and elemental forms regardless of the diameter of pieces of solid material.

†The RQ of one curie applies to all radionuclides not otherwise listed. Whenever the RQs in TABLE 1—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES and this table conflict, the lowest RQ shall apply. For example, uranyl acetate and uranyl nitrate have RQs shown in TABLE 1 of 100 pounds, equivalent to about one-tenth the RQ level for uranium-238 in this table.

**The method to determine the RQs for mixtures or solutions of radionuclides can be found in paragraph 7 of the note preceding TABLE 1 of this appendix. RQs for the following four common radionuclide mixtures are provided: radium-226 in secular equilibrium with its daughters (0.053 curie); natural uranium (0.1 curie); natural uranium in secular equilibrium with its daughters (0.052 curie); and natural thorium in secular equilibrium with its daughters (0.011 curie).

***Indicates that the name was added by PHMSA because it appears in the list of radionuclides in 49 CFR 173.435. The reportable quantity (RQ), if not specifically listed elsewhere in this appendix, shall be determined in accordance with the procedures in paragraph 7 of this appendix.

APPENDIX B TO § 172.101—LIST OF MARINE POLLUTANTS

1. See § 171.4 of this subchapter for applicability to marine pollutants. This appendix lists potential marine pollutants as defined in § 171.8 of this subchapter.

2. Marine pollutants listed in this appendix are not necessarily listed by name in the § 172.101 Table. If a marine pollutant not listed by name or by synonym in the § 172.101 Table meets the definition of any hazard Class 1 through 8, then you must determine the class and division of the material in accordance with § 173.2a of this subchapter. You must also select the most appropriate hazardous material description and proper shipping name. If a marine pollutant not listed by name or by synonym in the § 172.101 Table does not meet the definition of any Class 1 through 8, then you must offer it for transportation under the most appropriate of the following two Class 9 entries: "Environmentally hazardous substances, liquid, n.o.s.," UN3082, or "Environmentally hazardous substances, solid, n.o.s." UN3077.

3. This appendix contains two columns. The first column, entitled "S.M.P." (for severe marine pollutants), identifies whether a material is a severe marine pollutant. If the letters "PP" appear in this column for a material, the material is a severe marine pollutant, otherwise it is not. The second column, entitled "Marine Pollutant", lists the marine pollutants.

4. If a material is not listed in this appendix and meets the criteria for a marine pollutant as provided in Chapter 2.9 of the IMDG Code, (incorporated by reference; see § 171.7 of this subchapter), the material may be transported as a marine pollutant in accordance with the applicable requirements of this subchapter.

5. If a material or a solution meeting the definition of a marine pollutant in § 171.8 of this subchapter does not meet the criteria for a marine pollutant as provided in section 2.9.3.3 and 2.9.3.4 of the IMDG Code, (incorporated by reference; see § 171.7 of this subchapter), it may be excepted from the requirements of this subchapter as a marine pollutant if that exception is approved by the Associate Administrator.

LIST OF MARINE POLLUTANTS

S.M.P. (1)	Marine pollutant (2)
	Acetone cyanohydrin, stabilized
	Acetylene tetrabromide
	Acetylene tetrachloride
	Acetaldehyde, inhibited
	Acrolein, inhibited
	Acrolein, stabilized
	Acrylic aldehyde, inhibited
	Alcohol C-12 - C-16 poly(1-6) ethoxylate
	Alcohol C-6 - C-17 (secondary)/poly(3-6) ethoxylate
	Aldicarb

§ 172.101

49 CFR Ch. I (10–1–09 Edition)

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Aldrin
	Alkyl (c12-c14) dimethylamine
	Alkyl (c7-c9) nitrates
	Alkybenzenesulphonates, branched and straight chain (excluding C11–C13 straight chain or branched chain homologues)
	Allyl bromide
	ortho-Aminoanisole
	Aminocarb
	Ammonium dinitro-o-cresolate
	n-Amylbenzene
PP	Azinphos-ethyl
PP	Azinphos-methyl
	Barium cyanide
	Bendiocarb
	Benomyl
	Benquinox
	Benzyl chlorocarbonate
	Benzyl chloroformate
PP	Binapacryl
	N,N-Bis (2-hydroxyethyl) oleamide (LOA)
PP	Brodifacoum
	Bromine cyanide
	Bromoacetone
	Bromoallylene
	Bromobenzene
	ortho-Bromobenzyl cyanide
	Bromocyane
	Bromoform
PP	Bromophos-ethyl
	3-Bromopropene
	Bromoxnil
	Butanedione
	2-Butenal, stabilized
	Butyl benzyl phthalate
	N-tert-butyl-N-cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
	2,4-Di-tert-butylphenol
PP	2, 6-Di-tert-Butylphenol
	para-tertiary-butyltoluene
PP	Cadmium compounds
	Cadmium sulphide
	Calcium arsenate
	Calcium arsenate and calcium arsenite, mixtures, solid
	Calcium cyanide
PP	Camphechlor
	Carbaryl
	Carbendazim
	Carbofuran
	Carbon tetrabromide
	Carbon tetrachloride
PP	Carbophenothion
	Cartap hydrochloride
PP	Chlordane
	Chlorfenvinphos
PP	Chlorinated paraffins (C-10 - C-13)
PP	Chlorinated paraffins (C14–C17), with more than 1% shorter chain length
	Chlorine
	Chlorine cyanide, inhibited
	Chlormephos
	Chloroacetone, stabilized
	1-Chloro-2,3-Epoxypropane
	2-Chloro-6-nitrotoluene
	4-Chloro-2-nitrotoluene
	Chloro-ortho-nitrotoluene
	2-Chloro-5-trifluoromethylnitrobenzene
	para-Chlorobenzyl chloride, liquid or solid
	Chlorodinitrobenzenes, liquid or solid
	1-Chloroheptane

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	1-Chlorohexane
	Chloronitroanilines
	Chloronitrotoluenes, liquid
	Chloronitrotoluenes, solid
	1-Chlorooctane
PP	Chlorophenolates, liquid
PP	Chlorophenolates, solid
	Chlorophenyltrichlorosilane
	Chloropicrin
	alpha-Chloropropylene
	Chlorotoluenes (meta-;para-)
PP	Chlorpyrifos
PP	Chlorthiophos
	Cocculus
	Coconitrile
	Copper acetoarsenite
	Copper arsenite
	Copper chloride
PP	Copper chloride solution
PP	Copper cyanide
PP	Copper metal powder
PP	Copper sulphate, anhydrous, hydrates
	Coumachlor
PP	Coumaphos
PP	Cresyl diphenyl phosphate
	Crotonaldehyde, stabilized
	Crotonic aldehyde, stabilized
	Crotoxyphos
	Cupric arsenite
PP	Cupric chloride
PP	Cupric cyanide
PP	Cupric sulfate
	Cupriethylenediamine solution
PP	Cuprous chloride
	Cyanide mixtures
	Cyanide solutions
	Cyanides, inorganic, n.o.s.
	Cyanogen bromide
	Cyanogen chloride, inhibited
	Cyanogen chloride, stabilized
	Cyanophos
PP	1,5,9-Cyclododecatriene
PP	Cyhexatin
PP	Cymenes (o-;m-;p-)
PP	Cypermethrin
	Decyl acrylate
PP	DDT
	Decyloxytetrahydrothiophene dioxide
	DEF
	Desmedipham
	Di-allate
	Di-n-Butyl phthalate
PP	Dialifos
	4,4'-Diaminodiphenylmethane
PP	Diazinon
	1,3-Dibromobenzene
PP	Dichlofenthion
	Dichloroanilines
	1,3-Dichlorobenzene
	1,4-Dichlorobenzene
	Dichlorobenzene (meta-; para-)
	2,2-Dichlorodiethyl ether
	Dichlorodimethyl ether, symmetrical
	Di-(2-chloroethyl) ether
	1,1-Dichloroethylene, inhibited
	1,6-Dichlorohexane
	Dichlorophenyltrichlorosilane
PP	Dichlorvos
PP	Diclofop-methyl
	Dicrotophos
PP	Dieldrin

Pipeline and Hazardous Materials Safety Admin., DOT

§ 172.101

LIST OF MARINE POLLUTANTS—Continued		LIST OF MARINE POLLUTANTS—Continued	
S.M.P. (1)	Marine pollutant (2)	S.M.P. (1)	Marine pollutant (2)
	Diisopropylbenzenes	PP	Furathiocarb (ISO)
PP	Diisopropylnaphthalenes, mixed isomers	PP	gamma-BHC
PP	Dimethoate		Gasoline, leaded
	N,N-Dimethyldodecylamine	PP	Heptachlor
	Dimethylhydrazine, symmetrical		Heptenophos
	Dimethylhydrazine, unsymmetrical		n-Heptaldehyde
	Dinitro-o-cresol, <i>solid</i>		n-Heptylbenzene
	Dinitro-o-cresol, <i>solution</i>		normal-Heptyl chloride
	Dinitrochlorobenzenes, liquid or solid	PP	Hexachlorobutadiene
	Dinitrophenol, <i>dry or wetted with less than 15 per cent water, by mass</i>	PP	1,3-Hexachlorobutadiene
	Dinitrophenol solutions		Hexaethyl tetraphosphate <i>liquid</i>
	Dinitrophenol, <i>wetted with not less than 15 per cent water, by mass</i>		Hexaethyl tetraphosphate, <i>solid</i>
	Dinitrophenolates <i>alkali metals, dry or wetted with less than 15 per cent water, by mass</i>		normal-Hexyl chloride
	Dinitrophenolates, <i>wetted with not less than 15 per cent water, by mass</i>		n-Hexylbenzene
	Dinobuton		Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water
	Dinoseb		Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water and absorbed in a porous inert material
	Dinoseb acetate		Hydrocyanic acid, aqueous solutions <i>not more than 20% hydrocyanic acid</i>
	Dioxacarb		Hydrogen cyanide solution in alcohol, <i>with not more than 45% hydrogen cyanide</i>
	Dioxathion		Hydrogen cyanide, stabilized <i>with less than 3% water</i>
	Dipentene		Hydrogen cyanide, stabilized <i>with less than 3% water and absorbed in a porous inert material</i>
	Diphacinone		Hydroxydimethylbenzenes, liquid or solid
	Diphenyl		loxynil
PP	Diphenylamine chloroarsine		Isobenzan
PP	Diphenylchloroarsine, <i>solid or liquid</i>		Isobutyl butyrate
	Disulfoton		Isobutylbenzene
	1,4-Di-tert-butylbenzene		Isodecyl acrylate
	DNOC		Isodecyl diphenyl phosphate
	DNOC (pesticide)		Isofenphos
PP	Dodecyl diphenyl oxide disulphonate		Isooctyl nitrate
	Dodecyl hydroxypropyl sulfide		Isoproc carb
PP	1-Dodecylamine		Isotetramethylbenzene
	Dodecylphenol		Isoxathion
PP	Drazoxolon	PP	Lead acetate
	Edifenphos		Lead arsenates
PP	Endosulfan		Lead arsenites
PP	Endrin		Lead compounds, soluble, n.o.s.
	Epibromohydrin		Lead cyanide
	Epichlorohydrin		Lead nitrate
PP	EPN		Lead perchlorate, solid or solution
PP	Esfenvalerate		Lead tetraethyl
PP	Ethion		Lead tetramethyl
	Ethoprophos		Lindane
	Ethyl fluid		Linuron
	Ethyl mercaptan		London Purple
	2-Ethylhexyl nitrate	PP	Magnesium arsenate
	2-Ethyl-3-propylacrolein		Malathion
	Ethyl tetraphosphate		Mancozeb (ISO)
	Ethylidichloroarsine		Maneb
	Ethylene dibromide and methyl bromide mixtures, liquid		Maneb preparations <i>with not less than 60% maneb</i>
	2-Ethylhexaldehyde		Maneb preparation, stabilized against self-heating
PP	Fenamiphos		Maneb stabilized <i>or</i> Maneb preparations, stabilized <i>against self-heating</i>
PP	Fenbutatin oxide		Manganese ethylene-1,2-bis dithiocarbamate
PP	Fenchlorazole-ethyl		Manganese ethylene-1,2-bis-dithiocarbamate, stabilized against self-heating
PP	Fenitrothion		Mecarbam
PP	Fenoxapro-ethyl		Mephosfolan
PP	Fenoxaprop-P-ethyl		Mercaptodimethur
PP	Fenpropathrin		Mercuric acetate
	Fensulfthion		Mercuric ammonium chloride
PP	Fenthion		Mercuric arsenate
PP	Fentin acetate	PP	Mercuric benzoate
PP	Fentin hydroxide	PP	Mercuric bisulphate
	Ferric arsenate		Mercuric bromide
	Ferric arsenite		
	Ferrous arsenate		
PP	Fonofos		
	Formetanate		

§ 172.101

49 CFR Ch. I (10–1–09 Edition)

LIST OF MARINE POLLUTANTS—Continued

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Mercuric chloride
PP	Mercuric cyanide
PP	Mercuric gluconate
	Mercuric iodide
PP	Mercuric nitrate
PP	Mercuric oleate
PP	Mercuric oxide
PP	Mercuric oxycyanide, desensitized
PP	Mercuric potassium cyanide
PP	Mercuric Sulphate
PP	Mercuric thiocyanate
PP	Mercuriol
PP	Mercurous acetate
PP	Mercurous bisulphate
PP	Mercurous bromide
PP	Mercurous chloride
PP	Mercurous nitrate
PP	Mercurous salicylate
PP	Mercurous sulphate
PP	Mercury acetates
PP	Mercury ammonium chloride
PP	Mercury based pesticide, liquid, flammable, toxic
PP	Mercury based pesticides, liquid, toxic, flammable
PP	Mercury based pesticides, liquid, toxic
PP	Mercury based pesticides, solid, toxic
PP	Mercury benzoate
PP	Mercury bichloride
PP	Mercury bisulphates
PP	Mercury bromides
PP	Mercury compounds, liquid, n.o.s.
PP	Mercury compounds, solid, n.o.s.
PP	Mercury cyanide
PP	Mercury gluconate
PP	Mercury (I) (mercurous) compounds (pesticides)
PP	Mercury (II) (mercuric) compounds (pesticides)
	Mercury iodide
PP	Mercury nucleate
PP	Mercury oleate
PP	Mercury oxide
PP	Mercury oxycyanide, desensitized
PP	Mercury potassium cyanide
PP	Mercury potassium iodide
PP	Mercury salicylate
PP	Mercury sulfates
PP	Mercury thiocyanate
	Metam-sodium
	Methamidophos
	Methanethiol
	Methidathion
	Methomyl
	ortho-Methoxyaniline
	Methyl bromide and ethylene dibromide mixtures, liquid
	Methyl mercaptan
	3-Methylacrolein, stabilized
	Methylchlorobenzenes
	Methylnitrophenols
	3-Methylpyridine
	Methyltrithion
	Methylvinylbenzenes, inhibited
PP	Mevinphos
	Mexacarbate
	Mirex
	Monocrotophos
	Motor fuel anti-knock mixtures
	Motor fuel anti-knock mixtures or compounds
	Nabam
	Naled
PP	Nickel carbonyl
PP	Nickel cyanide
PP	Nickel tetracarbonyl

S.M.P. (1)	Marine pollutant (2)
	3-Nitro-4-chlorobenzotrifluoride
	Nitrobenzene
	Nitrobenzotrifluorides, liquid or solid
	Nonylphenol
	normal-Octaldehyde
	Oleylamine
PP	Organotin compounds, liquid, n.o.s.
PP	Organotin compounds (pesticides)
PP	Organotin compounds, solid, n.o.s.
PP	Organotin pesticides, liquid, flammable, toxic, n.o.s., <i>flash point less than 23deg C</i>
PP	Organotin pesticides, liquid, toxic, flammable, n.o.s.
PP	Organotin pesticides, liquid, toxic, n.o.s.
PP	Organotin pesticides, solid, toxic, n.o.s.
	Orthoarsenic acid
PP	Osmium tetroxide
	Oxamyl
	Oxydisulfoton
	Paraoxon
PP	Parathion
PP	Parathion-methyl
PP	PCBs.
	Pentachloroethane
PP	Pentachlorophenol
	Pentalin
	n-Pentylbenzene
	Perchloroethylene
	Perchloromethylmercaptan
	Petrol, leaded
PP	Phenarsazine chloride
PP	d-Phenothrin
PP	Phenthoate
	1-Phenylbutane
	2-Phenylbutane
	Phenylcyclohexane
PP	Phenylmercuric acetate
PP	Phenylmercuric compounds, n.o.s.
PP	Phenylmercuric hydroxide
PP	Phenylmercuric nitrate
PP	Phorate
PP	Phosalone
	Phosmet
PP	Phosphamidon
PP	Phosphorus, white, molten
PP	Phosphorus, white or yellow dry or under water or in solution
PP	Phosphorus white, or yellow, molten
PP	Phosphorus, yellow, molten
	Pindone (and salts of)
	Pirimicarb
PP	Pirimiphos-ethyl
PP	Polychlorinated biphenyls
PP	Polyhalogenated biphenyls, liquid or Terphenyls liq- uid
PP	Polyhalogenated biphenyls, solid or Terphenyls, solid
PP	Potassium cuprocyanide
	Potassium cyanide, solid
	Potassium cyanide, solution
PP	Potassium cyanocuprate (I)
PP	Potassium cyanomercurate
PP	Potassium mercuric iodide
	Promecarb
	Propachlor
	Propaphos
	Propenal, inhibited
	Propoxur
	Prothoate
	Prussic acid, anhydrous, stabilized
	Prussic acid, anhydrous, stabilized, absorbed in a porous inert material

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Pyrazophos
	Quinalphos
PP	Quizalofop
PP	Quizalofop-p-ethyl
	Rotenone
	Salithion
PP	Silafluofen
	Silver arsenite
	Silver cyanide
	Silver orthoarsenite
PP	Sodium copper cyanide, solid
PP	Sodium copper cyanide solution
PP	Sodium cuprocyanide, solid
PP	Sodium cuprocyanide, solution
	Sodium cyanide, solid
	Sodium cyanide, solution
	Sodium dinitro-o-cresolate, dry or wetted with less than 15 per cent water, by mass
	Sodium dinitro-ortho-cresolate, wetted with not less than 15 per cent water, by mass
PP	Sodium pentachlorophenate
	Strychnine or Strychnine salts
	Sulfotep
PP	Sulprophos
	Tallow nitrile
	Temephos
	TEPP
PP	Terbufos
	Tetrabromoethane
	Tetrabromomethane
	1,1,2,2-Tetrachloroethane
	Tetrachloroethylene
	Tetrachloromethane
	Tetraethyl dithiopyrophosphate
PP	Tetraethyl lead, liquid
	Tetramethrin
	Tetramethyllead
	Thallium chlorate
	Thallium compounds, n.o.s.
	Thallium compounds (pesticides)
	Thallium nitrate
	Thallium sulfate
	Thallos chlorate
	Thiocarbonyl tetrachloride
	Triaryl phosphates, isopropylated
PP	Triaryl phosphates, n.o.s.
	Triazophos
	Tribromomethane
PP	Tributyltin compounds
	Trichlorfon
PP	1,2,3-Trichlorobenzene
	Trichlorobenzenes, liquid
	Trichlorobutene
	Trichlorobutylene
	Trichloromethane sulphuryl chloride
	Trichloromethyl sulphochloride
	Trichloronat
	Tricresyl phosphate (less than 1% ortho-isomer)
PP	Tricresyl phosphate, not less than 1% ortho-isomer but not more than 3% orthoisomer
PP	Tricresyl phosphate with more than 3 per cent ortho isomer
	Triethylbenzene
	Triisopropylated phenyl phosphates
	Trimethylene dichloride
PP	Triphenylphosphate
	Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 5% to 10% triphenyl phosphates
PP	Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphates

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Triphenyltin compounds
	Tritolyl phosphate (less than 1% ortho-isomer)
PP	Tritolyl phosphate (not less than 1% ortho-isomer)
	Trixylenyl phosphate
	Vinylidene chloride, stabilized
	Warfarin (and salts of)
PP	White phosphorus, dry
PP	White phosphorus, wet
	White spirit, low (15-20%) aromatic
PP	Yellow phosphorus, dry
PP	Yellow phosphorus, wet
	Zinc bromide
	Zinc cyanide

[Amdt. 172-173, 55 FR 52474, Dec. 21, 1990]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §172.101, see the List of CFR Sections Affected which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 172.102 Special provisions.

(a) *General.* When column 7 of the §172.101 table refers to a special provision for a hazardous material, the meaning and requirements of that provision are as set forth in this section. When a special provision specifies packaging or packaging requirements—

(1) The special provision is in addition to the standard requirements for all packagings prescribed in §173.24 of this subchapter and any other applicable packaging requirements in subparts A and B of part 173 of this subchapter; and

(2) To the extent a special provision imposes limitations or additional requirements on the packaging provisions set forth in column 8 of the §172.101 table, packagings must conform to the requirements of the special provision.

(b) *Description of codes for special provisions.* Special provisions contain packaging provisions, prohibitions, exceptions from requirements for particular quantities or forms of materials and requirements or prohibitions applicable to specific modes of transportation, as follows:

(1) A code consisting only of numbers (for example, “11”) is multi-modal in application and may apply to bulk and non-bulk packagings.