

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 mate-

rial 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(c) 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 shippers 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 which 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 self-reactive, organic peroxide and explosive samples, see §§173.224(c)(3), 173.225(c)(2) and 173.56(d) 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 60.5 °C (141 °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

¹ Refers to the appropriate compatibility group letter.
² The 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.

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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 which prescribes packaging requirements for bulk packagings, subject to the limitations, requirements and additional authorizations of Column 7. A “None” in this column means bulk packagings are not authorized, except as may be provided by special provisions in Column 7. Additional authorizations and limitations for use of IM portable tanks are set forth in Column 7. For 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” and which is offered for transportation or transported by a mode in which its transportation is not otherwise subject to the requirements of this subchapter:

(i) The column reference is § 173.240 or § 173.241, as appropriate.

(ii) For a solid material, the exception provided in Special provision B54 is applicable.

(iii) For a Class 9 material which meets the definition of an elevated temperature material, the column reference is § 173.247.

(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

(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.

(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

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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 descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)		(9) Quantity limitations		(10) Vessel stow- age		
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
A	Accelerene, see p-Nitrosodimethylaniline.												
	Accumulators, electric, see Batteries, wet etc.												
	Accumulators, pressurized, pneumatic or hydraulic (con- taining non-flammable gas)												
	see Articles pressurized, pneumatic or hydraulic (containing non-flammable gas)												
	Acetal												
	Acetaldehyde	3	UN1088	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
		3	UN1089	I	3	A3, B16, T11, TP2, TP7	None	201	243	Forbidden	30 L	E	
	Acetaldehyde ammonia	9	UN1841	III	9	IB8, IP6	155	204	240	200 kg	200 kg	A	34
	Acetaldehyde oxime	3	UN2332	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Acetic acid, glacial or Acetic acid solution, with more than 80 percent acid, by mass.	8	UN2789	II	8, 3	A3, A6, A7, A10, B2, IB2, T7, TP2	154	202	243	1 L	30 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	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Acetone cyanohydrin, stabilized	6.1	UN1541	I	6.1	2, A3, B9, B14, B32, B76, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	25, 40, 49
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	5L	60 L	B	40	
Acetyl acetone peroxide with more than 9 percent by mass active oxygen.	Forbidden												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
	Acetyl benzoyl peroxide, solid, or with more than 40 percent in solution.	Forbidden											
	Acetyl bromide	8	UN1716	II	8	B2, IB2, T8, TP2, TP12	154	202	242	1 L	30 L	C	40
	Acetyl chloride	3	UN1717	II	3, 8	A3, A6, A7, IB1, N34, T8, TP2, TP12	None	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 carbinol	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		None	303	None	Forbidden	15 kg	D	25, 40, 57
	Acetylene (liquefied)	Forbidden											
	Acetylene silver nitrate	Forbidden											
	Acetylene tetrabromide, see Tetrabromoethane.												
	Acid butyl phosphate, see Butyl acid phosphate.												
	Acid, sludge, see Sludge acid	6.1	UN2713	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	
	Acridine	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, B72, B77, T22, TP2, TP7, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	Acrolein, stabilized												
	Acrylamide	6.1	UN2074	III	6.1	IB8, IP3, T4, TP1	153	213	240	100 kg	200 kg	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

Alkaline earth metal alloys, n.o.s.	4.3	UN1393	II	4.3	A19, IB7, IP2	151	212	241	15 kg	50 kg	E	.....
Alkaline earth metal amalgams ..	4.3	UN1392	I	4.3	A19, IB4, IP1, NS4, N40	None	211	242	Forbidden	15 kg	D	.....
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	None	202	243	5 L	60 L	A	.....
.....	.....	.....	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	.....
Alkaloids, solid, n.o.s. or Alkaloid salts, solid, n.o.s. poisonous.	6.1	UN1544	I	6.1	IB7, IP1	None	211	242	5 kg	50 kg	A	.....
.....	.....	.....	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
.....	.....	.....	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	.....
Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sulfuric acid.	8	UN2584	II	8	B2, IB2, T8, TP2, TP12, 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	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	154	213	240	25 kg	100 kg	A	.....
Alkylphenols, liquid, n.o.s. (including C2-C12 homologues).	8	UN3145	I	8	T14, TP2	None	201	243	0.5 L	2.5 L	B	.....
.....	.....	.....	II	8	IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	.....
.....	.....	.....	III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	.....
Alkylphenols, solid, n.o.s. (including C2-C12 homologues).	8	UN2430	I	8	IB7, IP1, T10, TP2, TP28	None	211	242	1 kg	25 kg	B	.....
.....	.....	.....	II	8	IB8, IP2, IP4, T3, TP2	154	212	240	15 kg	50 kg	B	.....
.....	.....	.....	III	8	IB8, IP3, T3, TP1	154	213	240	25 kg	100 kg	A	.....
Alkylsulfuric acids	8	UN2571	II	8	B2, IB2, T8, TP2, TP12, TP13, TP28	154	202	242	1 L	30 L	C	..... 14
Allethrin, see Pesticides, liquid, toxic, n.o.s..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Allyl acetate	3	UN2333	II	3, 6.1	IB2, T7, TP1, TP13	None	202	243	1 L	60 L	E	..... 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Allyl alcohol	6.1	UN1098	I	6.1, 3	2, B9, B14, B32, B74, 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
	<i>Allyl chloro-carbonate, see Allyl chloro-formate.</i>												
	Allyl chloro-formate	6.1	UN1722	I	6.1, 3, 8	2, A3, B9, B14, B32, B74, 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	None	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, NG4, T7, TP2, TP13	None	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, B74, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Allyltrichlorosilane, stabilized	8	UN1724	II	8, 3	A7, B2, B6, IB2, NG4, T7, TP2, TP13	None	202	243	Forbidden	30 L	C	40
	Aluminum alkyl halides	4.2	UN3052	I	4.2, 4.3	B9, B11, T21, TP2, TP7	None	181	244	Forbidden	Forbidden	D	
	Aluminum alkyl hydrides	4.2	UN3076	I	4.2, 4.3	B9, B11, T21, TP2, TP7	None	181	244	Forbidden	Forbidden	D	
	Aluminum alkyls	4.2	UN3051	I	4.2, 4.3	B9, B11, T21, TP2, TP7	None	181	244	Forbidden	Forbidden	D	
	Aluminum borohydride or Alu-minum borohydride in devices.	4.2	UN2870	I	4.2, 4.3	B11	None	181	244	Forbidden	Forbidden	D	
	Aluminum bromide, anhydrous ..	8	UN1725	II	8	IB8, IP2, IP4	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	151	212	242	15 kg	50 kg	A	.....
Aluminum chloride, anhydrous ..	8	UN1726	II	8	IB8, IP2, IP4	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	.....
Aluminum dross, wet or hot	Forbidden											.....
Aluminum ferrosilicon powder	4.3	UN1395	II	4.3, 6.1	A19, IB5, IP2	151	212	242	15 kg	50 kg	A	40, 85, 103
.....			III	4.3, 6.1	A19, A20, IB4	151	213	241	25 kg	100 kg	A	40, 85, 103
Aluminum hydride	4.3	UN2463	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	.....
Aluminum, molten	9	NA9260	III	9	IB3, T1, TP3	None	None	247	Forbidden	Forbidden	D	.....
Aluminum nitrate	5.1	UN1438	III	5.1	A1, A29, IB8, IP3	152	213	240	25 kg	100 kg	A	.....
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, 85
Aluminum phosphide pesticides	6.1	UN3048	I	6.1	A8, IB7, IP1	None	211	242	Forbidden	15 kg	E	40, 85
Aluminum powder, coated	4.1	UN1309	II	4.1	IB8, IP2, IP4	151	212	240	15 kg	50 kg	A	13, 39, 101
.....			III	4.1	IB8, IP3	151	213	240	25 kg	100 kg	A	13, 39, 101
Aluminum powder, uncoated	4.3	UN1396	II	4.3	A19, A20, IB7, IP2	151	212	242	15 kg	50 kg	A	39
.....			III	4.3	A19, A20, IB8, IP4	151	213	241	25 kg	100 kg	A	39
Aluminum resinates	4.1	UN2715	III	4.1	IB6	151	213	240	25 kg	100 kg	A	.....
Aluminum silicon powder, uncoated.	4.3	UN1398	III	4.3	A1, A19, IB8, IP4	151	213	241	25 kg	100 kg	A	40, 85, 103
Aluminum smelting by-products or Aluminum remelting by-products.	4.3	UN3170	II	4.3	128, B115, IB7, IP2	None	212	242	15 kg	50 kg	B	85, 103
.....			III	4.3	128, B115, IB8, IP4	None	213	241	25 kg	100 kg	B	85, 103
Amatols, see Explosives, blasting, type B.												.....
Amines, flammable, corrosive, n.o.s. or Polyamines, flammable, corrosive, n.o.s.	3	UN2733	I	3, 8	T14, TP1, TP27	None	201	243	0.5 L	2.5 L	D	40
.....			II	3, 8	IB2, T11, TP1, TP27	None	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
Amines, liquid, corrosive, flammable, n.o.s. or Polyamines, liquid, corrosive, flammable, n.o.s.	8	UN2734	I	8, 3	A3, A6, N34, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A
.....			II	8, 3	IB2, T11, TP2, TP27	None	202	243	1 L	30 L	A

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
G	Amines, liquid, corrosive, n.o.s., or Polyamines, liquid, cor-ro-sive, n.o.s.	8	UN2735	I	8	A3, A6, B10, N34, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A	
							154	202	242	1 L	30 L	A	
							154	203	241	5 L	60 L	A	
G	Amines, solid, corrosive, n.o.s., or Polyamines, solid, corrosive n.o.s.	8	UN3259	I	8	IB7, IP1	None	211	242	1 kg	25 kg	A	
							154	212	240	15 kg	50 kg	A	
							154	213	240	25 kg	100 kg	A	
+	2-Amino-4-chlorophenol	6.1	UN2673	III	8	IB8, IP2, IP3	None	212	242	25 kg	100 kg	A	
							153	203	241	60 L	220 L	A	
							None	211	None	1 kg	15 kg	E	28, 36
+	2-Amino-5-diethylaminopentane	6.1	UN2946	III	6.1	IB3, T4, TP1	None	203	241	5 L	60 L	A	
							153	203	241	60 L	220 L	A	
							None	211	None	1 kg	15 kg	E	28, 36
+	2-Amino-4,6-Dinitrophenol, wetted with not less than 20 percent water by mass.	6.1	UN3317	I	4.1	23, A8, A19, A20, N41	None	211	242	1 kg	25 kg	A	
							154	203	241	5 L	60 L	A	
							154	203	241	5 L	60 L	A	12
+	N-Aminoethylpiperazine	6.1	UN2512	III	6.1	IB8, IP3, T4, TP1	None	213	240	100 kg	200 kg	A	
							153	213	240	100 kg	200 kg	A	
							None	211	None	1 kg	15 kg	E	28, 36
I	Aminopyridines (o-, m-, p-) Amines, etc. n-Aminopropylmorpholine, see Amines, etc. Aminopyridines (o-, m-, p-)	6.1	UN2671	II	6.1	IB8, IP2, IP4, T7, TP2	None	212	242	25 kg	100 kg	B	12, 40
							None	304	314, 315	Forbidden	25 kg	D	40, 57
							None	304	314, 315	Forbidden	25 kg	D	40, 57
D	Ammonia, anhydrous	2.2	UN1005	2.2	2.2	13, T50	None	304	314, 315	Forbidden	25 kg	D	40, 57
							None	304	314, 315	Forbidden	25 kg	D	40, 57
							None	304	314, 315	Forbidden	25 kg	D	40, 57
I	Ammonia solution, relative den-sity less than 0.880 at 15 de-grees C in water, with more than 50 percent ammonia.	2.3	UN3318	2.3	2.3, 8	4, T50	None	304	314, 315	Forbidden	25 kg	D	40, 57
							None	304	314, 315	Forbidden	25 kg	D	40, 57
							None	304	314, 315	Forbidden	25 kg	D	40, 57

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	PG	Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							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)
D	Ammonium nitrate-fuel oil mix- ture containing only prilled ammonium nitrate and fuel oil.	1.5D	NA0331	II	1.5D ..		None ..	62	None ..	Forbidden	Forbidden	10	19E
	Ammonium nitrate, liquid (hot concentrated solution).	5.1	UN2426	.....	5.1	B5, T7	None ..	None ..	243	Forbidden	Forbidden	D	59, 60
	Ammonium nitrate, with more than 0.2 percent combustible substances, including any or- ganic substance calculated as carbon, to the exclusion of any other added substance.	1.1D	UN0222	II	1.1D ..		None ..	62	None ..	Forbidden	Forbidden	10	19E
	Ammonium nitrate, with not more than 0.2% total combus- tible material, including any organic substance, calculated as carbon to the exclusion of any other added substance.	5.1	UN1942	III	5.1	A1, A29, IB8, IP3	152	213	240	25 kg	100 kg	A	48, 59, 60, 116
	Ammonium nitrite	Forbidden		II	1.1D ..		None ..	62	None ..	Forbidden	Forbidden	10	19E
	Ammonium perchlorate	1.1D	UN0402	II	5.1	107	152	212	242	Forbidden	Forbidden	E	58, 69, 106
	Ammonium perchlorate	5.1	UN1442	II	5.1	107, A9, IB6, IP2	None ..	62	None ..	Forbidden	Forbidden	10	19E
	Ammonium permanganate	Forbidden		III	5.1		152	213	240	25 kg	100 kg	A	.....
	Ammonium persulfate	5.1	UN1444	III	5.1	A1, A29, IB8, IP3	None ..	62	None ..	Forbidden	Forbidden	10	5E, 19E
	Ammonium picrate, dry or wetted with less than 10 per- cent water, by mass.	1.1D	UN0004	II	1.1D ..		None ..	62	None ..	0.5 kg	0.5 kg	D	28, 36
	Ammonium picrate, wetted with not less than 10 percent water, by mass.	4.1	UN1310	I	4.1	23, A2, N41	None ..	211	None ..	0.5 kg	0.5 kg	D	28, 36
	Ammonium polysulfide, solution	8	UN2818	II	8, 6.1	IB2, T7, TP2, TP13	None ..	202	243	1 L	30 L	B	12, 26, 40
	Ammonium polyvanadate .....	.....		III	8, 6.1	IB3, T4, TP1, TP13	154	203	241	5 L	60 L	B	12, 26, 40
	Ammonium silicofluoride, see Ammonium fluorosilicate.	6.1	UN2861	II	6.1	IB8, IP2, IP4	None ..	212	242	25 kg	100 kg	A	.....
	Ammonium sulfide solution	8	UN2683	II	8, 6.1, 3.	IB1, T7, TP2, TP13	None ..	202	243	1 L	30 L	B	12, 22, 26, 100

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
(1)	Ammunition, smoke (water-acti- vated contrivances), white phosphorus, with burster, ex- pelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248).	(3)				(7)							
	Ammunition, smoke (water-acti- vated contrivances), without white phosphorus or phosphides, with burster, ex- pelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0249).												
	Ammunition smoke, white phos- phorus with burster expelling charge, or propelling charge.	1.2H	UN0245	II	1.2H ..		62	None ...	Forbidden	Forbidden	08	8E, 14E, 15E, 17E	
	Ammunition, smoke, white phos- phorus 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 with- out burster, expelling charge or propelling charge.	1.2G	UN0015	II	1.2G ..		62	None ...	Forbidden	Forbidden		8E, 17E, 20E	
	Ammunition, smoke with or with- out burster, expelling charge or propelling charge.	1.3G	UN0016	II	1.3G ..		62	None ...	Forbidden	Forbidden		8E, 17E, 20E	
	Ammunition, smoke with or with burster, expelling charge or propelling charge.	1.4G	UN0303	II	1.4G ..		62	None ...	Forbidden	Forbidden	75 kg	7E, 8E, 14E, 15E, 17E	
	Ammunition, sporting, see Car- tridges for weapons, etc. (UN 0012; UN 0328; UN 0339).												
	Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed.	6.1	UN2017	II	6.1, 8		212	None ...	Forbidden	Forbidden	E	13, 40	

UN Number	Proper Shipping Name	Class	Division	Subdivision	Quantity	Special Provisions	Other	Notes
UN0018	Ammunition, tear-producing with burster, expelling charge or propelling charge.	1.2G	II	1.2G, 8	62	None	Forbidden	8E, 17E, 20E
UN0019	Ammunition, tear-producing with burster, expelling charge or propelling charge.	1.3G	II	1.3G, 8	62	None	Forbidden	8E, 17E, 20E
UN0301	Ammunition, tear-producing with burster, expelling charge or propelling charge.	1.4G	II	1.4G, 8	62	None	Forbidden	7E, 8E, 14E, 15E, 17E
UN2016	Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed.	6.1	II	6.1	212	None	Forbidden	13, 40
UN0020	Ammunition, toxic (water-activated contrivances), with burster, expelling charge or propelling charge. see Contrivances, water-activated, etc.	1.2K	II	1.2K, 6.1	62	None	Forbidden	8E, 14E, 15E, 17E
UN0021	Ammunition, toxic with burster, expelling charge, or propelling charge.	1.3K	II	1.3K, 6.1	62	None	Forbidden	8E, 14E, 15E, 17E
UN1104	Amyl acetates	3	III	3	150	B1, IB3, T2, TP1	60 L	
UN2819	Amyl acid phosphate	8	III	8	154	IB3, T4, TP1	5 L	
UN2650	Amyl butyrates	3	III	3	203	B1, IB3, T2, TP1	60 L	
UN1107	Amyl chlorides	3	III	3	202	B2, T4, TP1	5 L	
UN1109	Amyl formates	3	III	3	202	B1, IB3, T2, TP1	60 L	
UN1111	Amyl mercaptans	3	III	3	202	A3, IB2, T4, TP1	5 L	95, 102
UN1110	n-Amyl methyl ketone	3	III	3	203	B1, IB3, T2, TP1	60 L	
UN1112	Amyl nitrate	3	III	3	203	B1, IB3, T2, TP1	60 L	40
UN1113	Amyl nitrites	3	III	3	202	IB2, T4, TP1	5 L	40
UN1106	Amylamines	3	III	3, 8	202	B2, T7, TP1	1 L	
UN1728	Amyltriethoxysilane	8	III	3, 8	203	B1, IB3, T4, TP1	60 L	
			II	8	202	A7, B2, B6, B2, N84, T7, TP2, TP13	30 L	40
	Anhydrous ammonia, see Ammonia, anhydrous.							
	Anhydrous hydrofluoric acid, see Hydrogen fluoride, anhydrous.							
UN1547	Aniline hydrochloride	6.1	II	6.1	202	IB2, T7, TP2	5 L	40
UN1548	Aniline oil, see Aniline	6.1	III	6.1	153	IB8, IP3	100 kg	
UN2431	Anisidines	6.1	III	6.1	203	IB3, T4, TP1	60 L	
UN2222	Anisole	3	III	3	203	B1, IB3, T2, TP1	60 L	
UN1729	Anisoyl chloride	8	II	8	202	B2, IB2, T7, TP2	1 L	40

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	6.1	UN1556	I	6.1	T14, TP2, TP9, TP13, TP27	None	201	243	1 L	30 L	B	40
Arsenic compounds, liquid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.												
Arsenic compounds, solid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.	6.1	UN1557	I	6.1	IB2, T11, TP2, TP13, TP27, IB3, T7, TP2, TP28, IB7, IP1	None	202	243	5 L	60 L	B	40
Arsenic pentoxide			III	6.1		153	203	241	60 L	220 L	B	40
Arsenic sulfide and a chlorate, mixtures of			I	6.1		None	211	242	5 kg	50 kg	A	
Arsenic trichloride	6.1	UN1560	I	6.1	2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
Arsenic trioxide	6.1	UN1561	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	
Arsenic, white, solid, see Arsenic trioxide.			II	6.1	IB8, IP2, IP4	None	212	242	100 kg	100 kg	A	
Arsenic dust	6.1	UN1562	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	
Arsenical pesticides, liquid, flammable, 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	6.1	UN2994	II	3, 6.1	IB2, T11, TP2, TP13, TP27	None	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	None	202	243	5 L	60 L	B	40
			III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
Arsenical pesticides, liquid, toxic, flammable flash point not less than 23 degrees C.	6.1	UN2993	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	None	202	243	5 L	60 L	B	40
			III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
Arsenical pesticides, solid, toxic	6.1	UN2759	I	6.1	IB7, IP1	None	211	242	5 kg	50 kg	A	40
			II	6.1	IB8, IP2, IP4	None	212	242	100 kg	100 kg	A	40
			III	6.1	IB8, IP3	153	213	240	25 kg	200 kg	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
(1)	<i>Arsenious acid, solid, see Ar- senic trioxide.</i> <i>Arsenious and mercuric iodide solution, see Arsenic com- pounds, liquid, n.o.s.</i> Arsine	2.3	UN2188 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Articles, explosive, extremely in- sensitive or Articles, EEI.	1.6N	UN0486 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
G	Articles, explosive, n.o.s.	1.4S	UN0349	II	1.4S ..	101	None ...	62	None ...	None ...	25 kg	100 kg	05
G	Articles, explosive, n.o.s.	1.4B	UN0350	II	1.4B ..	101	None ...	62	None ...	None ...	Forbidden	Forbidden	06
G	Articles, explosive, n.o.s.	1.4C	UN0351	II	1.4C ..	101	None ...	62	None ...	None ...	Forbidden	75 kg	06
G	Articles, explosive, n.o.s.	1.4D	UN0352	II	1.4D ..	101	None ...	62	None ...	None ...	Forbidden	75 kg	06
G	Articles, explosive, n.o.s.	1.4G	UN0353	II	1.4G ..	101	None ...	62	None ...	None ...	Forbidden	75 kg	06
G	Articles, explosive, n.o.s.	1.1L	UN0354	II	1.1L ...	101	None ...	62	None ...	None ...	Forbidden	8E, 14E, 15E, 17E	08
G	Articles, explosive, n.o.s.	1.2L	UN0355	II	1.2L ...	101	None ...	62	None ...	None ...	Forbidden	Forbidden	08
G	Articles, explosive, n.o.s.	1.3L	UN0356	II	1.3L ...	101	None ...	62	None ...	None ...	Forbidden	Forbidden	08
G	Articles, explosive, n.o.s.	1.1C	UN0462	II	1.1C ..	101	None ...	62	None ...	None ...	Forbidden	Forbidden	07
G	Articles, explosive, n.o.s.	1.1D	UN0463	II	1.1D ..	101	None ...	62	None ...	None ...	Forbidden	Forbidden	07
G	Articles, explosive, n.o.s.	1.1E	UN0464	II	1.1E ...	101	None ...	62	None ...	None ...	Forbidden	Forbidden	07
G	Articles, explosive, n.o.s.	1.1F	UN0465	II	1.1F ...	101	None ...	62	None ...	None ...	Forbidden	Forbidden	08
G	Articles, explosive, n.o.s.	1.2C	UN0466	II	1.2C ..	101	None ...	62	None ...	None ...	Forbidden	Forbidden	07
G	Articles, explosive, n.o.s.	1.2D	UN0467	II	1.2D ..	101	None ...	62	None ...	None ...	Forbidden	Forbidden	07
G	Articles, explosive, n.o.s.	1.2E	UN0468	II	1.2E ...	101	None ...	62	None ...	None ...	Forbidden	Forbidden	07
G	Articles, explosive, n.o.s.	1.2F	UN0469	II	1.2F ...	101	None ...	62	None ...	None ...	Forbidden	Forbidden	08
G	Articles, explosive, n.o.s.	1.3C	UN0470	II	1.3C ..	101	None ...	62	None ...	None ...	Forbidden	Forbidden	07
G	Articles, explosive, n.o.s.	1.4E	UN0471	II	1.4E ...	101	None ...	62	None ...	None ...	Forbidden	75 kg	06
G	Articles, explosive, n.o.s.	1.4F	UN0472	II	1.4F ...	101	None ...	62	None ...	None ...	Forbidden	Forbidden	08

Articles, pressurized pneumatic or hydraulic containing non-flammable gas.	Articles, pyrophoric	Articles, pyrotechnic for technical purposes.	Articles, pyrotechnic for technical purposes.	Articles, pyrotechnic for technical purposes.	Articles, pyrotechnic for technical purposes.	Articles, pyrotechnic for technical purposes.	Asbestos	Ascaridole (organic peroxide)	Asphalt, at or above its flash point.	Asphalt, cut back, see Tars, liquid, etc.	Automobile, motorcycle, tractor, other self-propelled vehicle engine, or other mechanical apparatus, see Vehicles or Battery etc.	Aviation regulated liquid, n.o.s.	Aviation regulated solid, n.o.s.	Azauric acid (salt of) (dry)	Azido guanidine picrate (dry)	5-Azido-1-hydroxy tetrazole	Azido hydroxy tetrazole (mercury and silver salts).	3-Azido-1,2-Propylene glycol dinitrate.	Azidodithiocarbonic acid	Azidoethyl nitrate	1-Aziridinylphosphine oxide-(tris), see Tris-(1-aziridinyl) phosphine oxide, solution.	Azodicarbonamide	Azotetrazole (dry)	Barium	Barium alloys, pyrophoric
2.2	1.2L	1.1G	1.2G	1.3G	1.4G	1.4S	9	Forbidden	3			9	9	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	4.1	Forbidden	4.3	4.2
UN3164	UN0380	UN0428	UN0429	UN0430	UN0431	UN0432	NA2212		NA1999			UN3334	UN3335									UN3242	UN1400	UN1854	
2.2	II	II	II	II	II	II	III		III													II	II	I	
306	None	None	None	None	None	None	None	155	150			155	155									212	151	181	
302, 304.	62	62	62	62	62	62	216	203	247			204	204									240	241	None	
None	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	200 kg	25 kg	Forbidden			No limit	No limit									Forbidden	15 kg	Forbidden	
No limit	Forbidden	Forbidden	Forbidden	Forbidden	75 kg	100 kg	200 kg		Forbidden			No limit	No limit									Forbidden	50 kg	Forbidden	
A	08	07	07	07	06	05	A		D			A	A									D	E	D	
	8E, 14E, 15E, 17E						34, 40															12, 61, 74			

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Barium azide, <i>dry or wetted with less than 50 percent water, by mass.</i>	1.1A	UN0224	II	1.1A, 6.1.	111, 117	None	62	None	Forbidden	Forbidden	12	
	Barium azide, <i>wetted with not less than 50 percent water, by mass.</i>	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	None	212	242	5 kg	25 kg	A	56, 58, 106
	Barium chlorate	5.1	UN1445	II	5.1, 6.1.	A9, IB6, IP2, N34, T4, TP1	None	212	242	5 kg	25 kg	A	56, 58, 106
	Barium compounds, n.o.s.	6.1	UN1564	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	
	Barium cyanide	6.1	UN1565	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	
	Barium hypochlorite with more than 22 percent available chlorine.	5.1	UN2741	II	5.1, 6.1.	IB7, IP1, N74, N75	None	211	242	5 kg	50 kg	A	26, 40
	Barium nitrate	5.1	UN1446	II	5.1, 6.1.	A7, A9, IB8, IP2, IP4, N34	152	212	None	5 kg	25 kg	B	56, 58, 106
	Barium nitrate	5.1	UN1446	II	5.1, 6.1.	IB8, IP2, IP4	None	212	242	5 kg	25 kg	A	
	Barium oxide	6.1	UN1884	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	
	Barium perchlorate	5.1	UN1447	II	5.1, 6.1.	IB6, IP2, T4, TP1	None	212	242	5 kg	25 kg	A	56, 58, 106
	Barium permanganate	5.1	UN1448	II	5.1, 6.1.	IB6, IP2	None	212	242	5 kg	25 kg	D	56, 58, 69, 106, 107
	Barium peroxide	5.1	UN1449	II	5.1, 6.1.	IB6, IP2	None	212	242	5 kg	25 kg	A	13, 75, 106
	Barium selenate, see Selenates or Selenites.												
	Barium selenite, see Selenates or Selenites.												
	Batteries, containing sodium	4.3	UN3292	II	4.3		189	189	189	Forbidden	No limit	A	
	Batteries, dry, containing potassium hydroxide solid, electric storage.	8	UN3028	III	8		None	213	None	25 kg gross	230 kg gross	A	
	Batteries, wet, filled with acid, electric storage.	8	UN2794	III	8		159	159	159	30 kg gross	No limit	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Benzyl chloride	6.1	UN1738	II	6.1, 8	A3, A7, B70, IB2, N33, N42, T8, TP2, TP12, TP13	None	202	243	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, TP12, TP13	None	202	243	30 L	D	13, 40	
	Benzyl chloroformate	8	UN1739	I	8	A3, A6, B4, N41, T10, TP2, TP12, TP13	None	201	243	2.5 L	D	40	
	Benzyl iodide	6.1	UN2653	II	6.1	IB2, T7, TP2	None	202	243	5 L	B	12, 40	
	Benzylidimethylamine	8	UN2619	II	8, 3	IB2, T7, TP2	None	202	243	30 L	A	40, 48	
	Benzylidene chloride	6.1	UN1866	II	6.1	IB2, T7, TP2	None	202	243	5 L	D	40	
	Beryllium compounds, n.o.s.	6.1	UN1566	III	6.1	IB8, IP2, IP4	None	212	242	25 kg	A		
	Beryllium nitrate	5.1	UN2464	II	6.1, 5.1	IB8, IP3	153	213	240	100 kg	A		
	Beryllium, powder	6.1	UN1567	II	6.1, 4.1	IB8, IP2, IP4	None	212	242	15 kg	A		
	Bicyclo [2.2.1] hepta-2,5-diene, stabilized or 2,5-Norbornadiene, stabilized.	3	UN2251	II	3	IB2, T7, TP2	150	202	242	5 L	D		
	<i>Biphenyl triozonide</i>	Forbidden	UN2782	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	E		
	Bipyridium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3								30 L			
	Bipyridium pesticides, liquid, toxic.	6.1	UN3016	II	3, 6.1	IB2, T11, TP2, TP13, TP27	None	202	243	1 L	B	40	
				I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	B	40	
				II	6.1	IB2, T11, TP2, TP13, TP27	None	202	243	5 L	B	40	
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	A	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	B	21, 40	
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	None	202	243	5 L	B	21, 40	

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(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age		
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other	
+	Bombs with flammable liquid, with bursting charge.	1.2J	UN0400	II	1.2J				62	None	Forbidden	04	23E	
	Boosters with detonator	1.1B	UN0225	II	1.1B			None	62	None	Forbidden	11		
	Boosters with detonator	1.2B	UN0268	II	1.2B			None	62	None	Forbidden	07		
	Boosters, without detonator	1.1D	UN0042	II	1.1D			None	62	None	Forbidden	07		
	Boosters, without detonator	1.2D	UN0283	II	1.2D			None	62	None	Forbidden	07		
	Borate and chlorate mixtures, see Chlorate and borate mixtures.													
	Borneol	4.1	UN1312	III	4.1	A1, IB8, IP3		None	213	240	25 kg	100 kg	A	12
	Boron tribromide	8	UN2692	I	8, 6.1	2, A3, A7, B9, B14, B52, B74, N34, T20, TP2, TP12, TP13, TP38, TP45		None	227	244	Forbidden	Forbidden	C	
	Boron trichloride	2.3	UN1741		2.3, 8	3, B9, B14		None	304	314	Forbidden	Forbidden	D	25, 40
	Boron trifluoride	2.3	UN1008		2.3	2, B9, B14		None	302	314, 315	Forbidden	Forbidden	D	40
Boron trifluoride acetic acid complex.	8	UN1742	II	8	B2, B6, IB2, T8, TP2, TP12		154	202	242	1 L	30 L	A		
Boron trifluoride diethyl etherate	8	UN2604	I	8, 3	A19, T10, TP2		None	201	243	0.5 L	2.5 L	D	40	
Boron trifluoride dihydrate	8	UN2851	II	8	IB8, IP2, IP4, T7, TP2		154	212	240	15 kg	50 kg	B	12, 40,	
Boron trifluoride dimethyl etherate.	4.3	UN2965	I	4.3, 8, 3	A19, T10, TP2, TP7		None	201	243	Forbidden	1 L	D	21, 28, 40, 49, 100	
Boron trifluoride propionic acid complex.	8	UN1743	II	8	B2, IB2, T8, TP2, TP12		154	202	242	1 L	30 L	A		
Box toe gum, see Nitrocellulose etc.														
Bromates, inorganic, aqueous solution, n.o.s.	5.1	UN3213	II	5.1	IB2, T4, TP1		152	202	242	1 L	5 L	B	56, 58, 106	
Bromates, inorganic, n.o.s.	5.1	UN1450	II	5.1	IB8, IP2, IP4		152	212	242	5 kg	25 kg	A	56, 58, 106	
Bromine azide	Forbidden													

+	Bromine or Bromine solutions	8	UN1744	I	8, 6.1	1, A3, A6, B9, B64, B85, N34, N43, T22, TP2, TP10, TP12, TP13	None ...	226	249	Forbidden	Forbidden	12, 40, 66, 74, 89, 90
	Bromine chloride	2.3	UN2901		2.3, 8, 5.1, 5.1, 6.1, 8,	2, B9, B14	None ...	304	314, 315, 244	Forbidden	Forbidden	40, 89, 25, 40, 66, 90
+	Bromine pentafluoride	5.1	UN1745	I	5.1, 6.1, 8,	1, B9, B14, B30, B72, T22, TP2, TP12, TP13, TP38, TP44	None ...	228	244	Forbidden	Forbidden	25, 40, 66, 90
+	Bromine trifluoride	5.1	UN1746	I	5.1, 6.1, 8,	2, B9, B14, B32, B74, T22, TP2, TP12, TP13, TP38, TP45	None ...	228	244	Forbidden	Forbidden	25, 40, 66, 90
	4-Bromo-1,2-dinitrobenzene	Forbidden										
	4-Bromo-1,2-dinitrobenzene (unstable at 59 degrees C.)	Forbidden										
	1-Bromo-3-chloropropane	6.1	UN2688	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L A	
	1-Bromo-3-methylbutane	3	UN2341	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L A	
	1-Bromo-3-nitrobenzene (unstable at 56 degrees C.)	Forbidden										
	2-Bromo-2-nitropropane-1,3-diol	4.1	UN3241	III	4.1	46, IB8, IP3	151	213	None ...	25 kg	50 kg C	12, 25, 40
	Bromoacetic acid, solid	8	UN1938	II	8	A7, IB8, IP2, IP4, N34, T7	154	212	240	15 kg	50 kg A	
	Bromoacetic acid, solution	8	UN1938	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L A	40
+	Bromoacetone	6.1	UN1569	II	6.1, 3	2, T20, TP2, TP13	None ...	193	245	Forbidden	Forbidden	40
	Bromoacetyl bromide	8	UN2513	II	8	B2, IB2, T8, TP2, TP12	154	202	242	1 L	30 L C	40
	Bromobenzene	3	UN2514	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L A	
	Bromobenzyl cyanides, liquid	6.1	UN1694	I	6.1	T14, TP2, TP13	None ...	201	243	Forbidden	30 L D	12, 40
	Bromobenzyl cyanides, solid	6.1	UN1694	I	6.1	T14, TP2, TP13	None ...	211	242	Forbidden	50 kg D	12, 40
	1-Bromobutane	3	UN1126	II	3	IB2, T4, TP1	150	202	242	5L	60 L B	40
	2-Bromobutane	3	UN2339	III	3	B1, IB2, T4, TP1	150	202	242	5L	60 L B	40
	Bromochloromethane	6.1	UN1887	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L A	
	2-Bromoethyl ether	3	UN2340	III	3	IB2, T4, TP1	150	202	242	5L	60 L B	40
	Bromoforn	6.1	UN2515	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L A	12, 40
	Bromomethylpropanes	3	UN2342	III	3	IB2, T4, TP1	150	202	242	5L	60 L B	
	2-Bromopentane	3	UN2343	III	3	IB2, T4, TP1	150	202	242	5L	60 L B	40
	Bromopropanes	3	UN2344	III	3	IB2, T4, TP1	150	202	242	5L	60 L B	40
	3-Bromopropene	3	UN2345	III	3	IB3, T2, TP1	150	203	242	60 L	220 L A	40
	Bromosilane	Forbidden										
	Bromobutene-alpha, see Benzyl bromide											
	Bromotrifluoroethylene	2.1	UN2419		2.1		None ...	304	314, 315, 242	Forbidden	150 kg B	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
(1)	Bromotrifluoromethane or Refrig- erant 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	None	211	242	5 kg	50 kg	A	
	Bursting, explosive	1.1D	UN0043	II	1.1D		None	62	None	Forbidden	Forbidden	07	
	Butadienes, stabilized	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 prop- erties in cartridges each not exceeding 500 grams, see Receptacles, etc.</i>												
	Butanediol	3	UN2346	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Butanols	Forbidden	UN1120	II	3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	<i>tert-Butoxycarbonyl azide</i>	Forbidden		III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Butyl acetates	3	UN1123	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Butyl acid phosphate	8	UN1718	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Butyl acrylates, stabilized	3	UN2348	III	3	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Butyl alcohols, see Butanols			III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Butyl benzenes	3	UN2709	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>n-Butyl bromide, see 1- Bromobutane.</i>												
	<i>n-Butyl chloride, see Chlorobutanes.</i>												
D	sec-Butyl chloroformate	6.1	NA2742	I	6.1, 3, 8.	2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	1 L	30 L	A	12, 13, 22, 25, 40, 48, 100
	n-Butyl chloroformate	6.1	UN2743	I	6.1, 8, 3.	2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	12, 13, 21, 25, 40, 100
	<i>Butyl ethers, see Dibutyl ethers</i>												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
	Butyraldehyde	3	UN1129	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	Butyraldoxime	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	II	3, 6.1	IB2, T7, TP1	None	202	243	1 L	60 L	E	40
	Butyryl chloride	3	UN2353	II	3, 8	IB2, T8, TP2, TP12, TP13	None	202	243	1 L	5 L	C	40
	Cacodylic acid	6.1	UN1572	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	E	26
	Cadmium compounds	6.1	UN2570	II	6.1	IB7, IP1	None	211	242	5 kg	50 kg	A	.....
	.....	.....	.....	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
	.....	.....	.....	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	.....
	Caesium hydroxide	8	UN2682	II	8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	A	.....
	Caesium hydroxide solution	8	UN2681	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	.....
	Calcium	4.3	UN1401	II	4.3	IB7, IP2	151	212	241	15 kg	50 kg	E	.....
	Calcium arsenate	6.1	UN1573	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
	Calcium arsenate and calcium arsenite, mixtures, solid	6.1	UN1574	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
	Calcium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Calcium carbide	4.3	UN1402	I	4.3	A1, A8, B55, B59, IB4, IP1, N34	None	211	242	Forbidden	15 kg	B	.....
	.....	.....	.....	II	4.3	A1, A8, B55, B59, IB7, IP2, N34	151	212	241	15 kg	50 kg	B	.....
	.....	.....	.....	II	5.1	IB8, IP2, IP4, N34	152	212	242	5 kg	25 kg	A	56, 58, 106
	Calcium chlorate	5.1	UN1452	II	5.1	A2, IB2, N41, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 106
	Calcium chlorate aqueous solu- tion. ....	.....	.....	III	5.1	A2, IB2, N41, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 106
	.....	.....	.....	II	5.1	A9, IB8, IP2, IP4, N34	152	212	242	5 kg	25 kg	A	56, 58, 106
	Calcium chlorite	5.1	UN1453	III	4.3	A1, A19, IB8, IP4	151	213	241	25 kg	100 kg	A	.....
	Calcium cyanamide with more than 0.1 percent of calcium carbide.	4.3	UN1403	III	4.3	.....	.....	.....	.....	.....	.....	.....	.....

Calcium cyanide	6.1	UN1575	I	6.1	IB7, IP1, N79, N80	None	211	242	5 kg	50 kg	A	26, 40
Calcium dithionite or Calcium hydrosulfite	4.2	UN1923	II	4.2	A19, A20, IB6, IP2	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	.....
Calcium hydrosulfite, see Calcium dithionite .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calcium hypochlorite, dry or Calcium hypochlorite mixtures dry with more than 39 percent available chlorine (8.8 percent available oxygen)	5.1	UN1748	II	5.1	A7, A9, IB8, IP2, IP4, N34, W9	152	212	None	5 kg	25 kg	D	4, 5, 25, 48, 56, 58, 69
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	IB8, IP2, IP4, W9	152	212	240	5 kg	25 kg	D	4, 5, 25, 48, 56, 58, 69
Calcium hypochlorite mixtures, dry, with more than 10 percent but not more than 39 percent available chlorine	5.1	UN2208	III	5.1	A1, A29, IB8, IP3, N34, W9	152	213	240	25 kg	100 kg	D	4, 5, 25, 48, 56, 58, 69
Calcium manganese silicon	4.3	UN2844	III	4.3	A1, A19, IB8, IP2, IP4	151	213	241	25 kg	100 kg	A	85, 103
Calcium nitrate	5.1	UN1454	III	5.1	34, IB8, IP3	152	213	240	25 kg	100 kg	A	.....
Calcium oxide	8	UN1910	III	8	IB8, IP3	154	213	240	25 kg	100 kg	A	.....
Calcium perchlorate	5.1	UN1455	II	5.1	IB6, IP2	152	212	242	5 kg	25 kg	A	56, 58, 106
Calcium permanganate	5.1	UN1456	II	5.1	IB6, IP2	152	212	242	5 kg	25 kg	D	56, 58, 69, 106, 107
Calcium peroxide	5.1	UN1457	II	5.1	IB6, IP2	152	212	242	5 kg	25 kg	A	13, 75, 106
Calcium phosphide	4.3	UN1360	I	4.3, 6.1	A8, A19, N40	None	211	242	Forbidden	15 kg	E	40, 85
Calcium, pyrophoric or Calcium alloys, pyrophoric	4.2	UN1855	I	4.2	.....	None	187	None	Forbidden	Forbidden	D	.....
Calcium resinates	4.1	UN1313	III	4.1	A1, A19, IB6	None	213	240	25 kg	100 kg	A	.....
Calcium resinate, fused	4.1	UN1314	III	4.1	A1, A19, IB4	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	151	212	241	15 kg	50 kg	B	85, 103
Camphor oil	3	UN1130	III	4.3	A1, A19, IB8, IP4	151	213	241	25 kg	100 kg	B	85, 103
Camphor, synthetic	4.1	UN2717	III	4.1	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Carbon primers, see Primers, tubular .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Caproic acid	8	UN2829	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A
Caps, blasting, see Detonators, etc.

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) 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
I	Carbamate pesticides, liquid, toxic.	6.1	UN2992	II	3, 6.1	IB2, T11, TP2, TP13, TP27	None ...	202	243	1 L	60 L	B	40
I	Carbamate pesticides, liquid, toxic.	6.1	UN2991	III	6.1	IB2, T11, TP2, TP13, TP27	None ...	202	243	5 L	60 L	B	40
I	Carbamate pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN2991	I	6.1, 3	T14, TP2, TP13, TP27	None ...	201	243	1 L	30 L	B	40
I	Carbamate pesticides, solid, toxic.	6.1	UN2757	II	6.1, 3	IB2, T11, TP2, TP13, TP27	None ...	202	243	5 L	60 L	B	40
I	Carbamate pesticides, solid, toxic.	6.1	UN2757	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
I	Carbamate pesticides, solid, toxic.	6.1	UN2757	I	6.1	IB7, IP1	None ...	211	242	5 kg	50 kg	A	40
I	Carbolic acid, see Phenol, solid or Phenol, molten.	4.2	UN1362	II	6.1	IB8, IP2, IP4	None ...	212	242	25 kg	100 kg	A	40
I	Carbolic acid, see Phenol, solid or Phenol, molten.	4.2	UN1361	III	6.1	IB8, IP3	None ...	213	240	100 kg	200 kg	A	40
I	Carbon, activated.	4.2	UN1361	III	4.2	IB8, IP3	None ...	213	241	Forbidden	Forbidden	A	12
I	Carbon, animal or vegetable ori- gin.	4.2	UN1361	III	4.2	IB8, IP3	None ...	213	241	Forbidden	Forbidden	A	12
I	Carbon bisulfide, see Carbon di- sulfide.	2.2	UN1013	.....	2.2	.....	306	302, 304.	302, 314, 315.	75 kg	150 kg	A	.....
I	Carbon dioxide	2.2	UN1013	.....	2.2	.....	306	304.	306, 314, 315.	75 kg	150 kg	A	.....
I	Carbon dioxide and nitrous oxide mixtures.	2.2	UN1015	.....	2.2	.....	306	None ...	314, 315.	75 kg	150 kg	A	.....
I	Carbon dioxide and oxygen mix- tures, compressed.	2.2	UN1014	.....	2.2,	5.1.	306	304	306, 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	.....
Carbon dioxide, solid or Dry ice	9	UN1845	III	None	217	B16, T14, TP2, TP7, TP13	217	217	240	200 kg	200 kg	C	40
Carbon disulfide	3	UN1131	I	3, 6.1	None	4	None	201	243	Forbidden	Forbidden	D	18, 40, 115
Carbon monoxide, compressed	2.3	UN1016	.....	2.3, 2.1.	None	6	None	302	314, 315	25 kg	25 kg	D	40
Carbon monoxide and hydrogen mixture, compressed.	2.3	UN2600	.....	2.3, 2.1.	None	6	None	302	302	Forbidden	Forbidden	D	40
Carbon monoxide, refrigerated liquid (<i>cyrogenic liquid</i>).	2.3	NA9202	.....	2.3, 2.1.	None	4, T75, TP5	None	316	318	Forbidden	Forbidden	D	.....
Carbon tetrabromide	6.1	UN2516	III	6.1	153	IB8, IP3	153	213	240	100 kg	200 kg	A	25
Carbon tetrachloride	6.1	UN1846	II	6.1	None	IB2, N36, T7, TP2	None	202	243	5 L	60 L	A	40
Carbonyl chloride, see Phosgene.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Carbonyl fluoride	2.3	UN2417	.....	2.3, 8	None	2	None	302	None	Forbidden	Forbidden	D	40
Carbonyl sulfide	2.3	UN2204	.....	2.3, 2.1.	None	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
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 devices.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cartridges, explosive, see Charges, demolition.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cartridges, flash	1.1G	UN0049	II	1.1G	None	62	None	62	None	Forbidden	Forbidden	07	.....
Cartridges, flash	1.3G	UN0050	II	1.3G	None	62	None	62	None	75 kg	75 kg	07	.....
Cartridges for weapons, blank	1.1C	UN0326	II	1.1C	None	62	None	62	None	Forbidden	Forbidden	07	.....
Cartridges for weapons, blank	1.2C	UN0413	II	1.2C	None	62	None	62	None	Forbidden	Forbidden	07	.....
Cartridges for weapons, blank or Cartridges, small arms, blank.	1.4S	UN0014	II	None	63	63	63	62	None	100 kg	100 kg	05	.....
Cartridges for weapons, blank or Cartridges, small arms, blank.	1.3C	UN0327	II	1.3C	None	62	None	62	None	Forbidden	Forbidden	07	.....
Cartridges for weapons, blank or Cartridges, small arms, blank.	1.4C	UN0338	II	1.4C	None	62	None	62	None	75 kg	75 kg	06	.....
Cartridges for weapons, blank or Cartridges, small arms, blank.	1.2C	UN0328	II	1.2C	None	62	None	62	None	Forbidden	Forbidden	03	.....
Cartridges for weapons, inert projectile.	1.4S	UN0012	II	None	63	63	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	62	None	Forbidden	Forbidden	06	.....
Cartridges for weapons, inert projectile or Cartridges, small arms.	1.3C	UN0417	II	1.3C	None	62	None	62	None	Forbidden	Forbidden	06

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	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	
	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	07	
	Cartridges power devices (used to project fastening devices).	ORM-D				None	63	None	None	30 kg gross	30 kg gross	A	
	D	Cartridges, safety, blank, see Cartridges for weapons, blank (UN 0014).											
Cartridges, safety, see Cartridges for weapons, other than blank or Cartridges, power device (UN 0323).													
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					63	None	None	30 kg gross	30 kg gross	A	
Cartridges, sporting, see Cartridges for weapons, other than blank.													
Cartridges, starter, jet engine, see Cartridges, power device.													
Cases, cartridge, empty with primer.		1.4S	UN0055	II	1.4S	50	None	62	None	25 kg	100 kg	05	

A W	Cases, cartridges, 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	07	.....
	Casinghead gasoline see Gasoline.											
	Castor beans or Castor meal or Castor pomace or Castor flake.	9 UN2969	II	None	IB8, IP2, IP4	155	204	240	No limit	No limit	E	34, 40
G	Caustic alkali liquids, n.o.s.	8 UN1719	II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	A	.....
	Caustic potash, see Potassium hydroxide etc.		III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	.....
	Caustic soda, (etc.) see Sodium hydroxide etc.											
	Cells, containing sodium	4.3 UN3292	II	4.3		189	189	189	25 kg gross	No limit	A	.....
	Celluloid, in block, rods, rolls, sheets, tubes, etc., except scrap.	4.1 UN2000	III	4.1		None	213	240	25 kg	100 kg	A	.....
	Celluloid, scrap	4.2 UN2002	III	4.2	IB8, IP3	None	213	241	Forbidden	Forbidden	D	.....
	Cement, see Adhesives containing flammable liquid.											
	Cerium, slabs, ingots, or rods	4.1 UN1333	II	4.1	IB8, IP2, IP4, N34	None	212	240	15 kg	50 kg	A	74, 91
	Cerium, turnings or gritty powder	4.3 UN3078	II	4.3	A1, IB7, IP2	151	212	242	15 kg	50 kg	E	.....
	Cesium or Caesium	4.3 UN1407	I	4.3	A19, IB1, IP1, N34, N40	None	211	242	Forbidden	15 kg	D	.....
	Cesium nitrate or Caesium nitrate.	5.1 UN1451	III	5.1	A1, A29, IB8, IP3	152	213	240	25 kg	100 kg	A	.....
D	Charcoal briquettes, shell, screenings, wood, etc.	4.2 NA1361	III	4.2	IB8	151	213	240	25 kg	100 kg	A	12
	Charges, bursting, plastics bonded.	1.1D UN0457	II	1.1D ..		None	62	None ...	Forbidden	Forbidden	07	.....
	Charges, bursting, plastics bonded.	1.2D UN0458	II	1.2D ..		None	62	None ...	Forbidden	Forbidden	07	.....
	Charges, bursting, plastics bonded.	1.4D UN0459	II	1.4D ..		None	62	None ...	Forbidden	75 kg	06	.....
	Charges, bursting, plastics bonded.	1.4S UN0460	II	1.4S ...		None	62	None ...	25 kg	100 kg	05	.....
	Charges, demolition	1.1D UN0048	II	1.1D ..		None	62	None ...	Forbidden	Forbidden	03	.....
	Charges, depth	1.1D UN0056	II	1.1D ..		None	62	None ...	Forbidden	Forbidden	03	.....
	Charges, expelling, explosive, for fire extinguishers, see Cartridges, power device.											
	Charges, explosive, commercial without detonator.	1.1D UN0442	II	1.1D ..		None	62	None ...	Forbidden	Forbidden	07	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D	Charges, explosive, commercial <i>without detonator.</i>	1.2D ..	UN0443	II	1.2D ..		None ...	62	None ...	Forbidden	Forbidden	07	.....
	Charges, explosive, commercial <i>without detonator.</i>	1.4D ..	UN0444	II	1.4D ..		None ...	62	None ...	Forbidden	75 kg	06	.....
	Charges, explosive, commercial <i>without detonator.</i>	1.4S	UN0445	II	1.4S		None ...	62	None ...	25 kg	100 kg	05	.....
	Charges, propelling	1.1C	UN0271	II	1.1C		None ...	62	None ...	Forbidden	Forbidden	07	.....
	Charges, propelling	1.3C	UN0272	II	1.3C		None ...	62	None ...	Forbidden	Forbidden	07	.....
	Charges, propelling	1.2C	UN0415	II	1.2C		None ...	62	None ...	Forbidden	Forbidden	07	.....
	Charges, propelling	1.4C	UN0491	II	1.4C		None ...	62	None ...	Forbidden	Forbidden	07	.....
	Charges, propelling, for cannon	1.3C	UN0242	II	1.3C		None ...	62	None ...	Forbidden	Forbidden	10	.....
	Charges, propelling, for cannon	1.1C	UN0279	II	1.1C		None ...	62	None ...	Forbidden	Forbidden	10	.....
	Charges, propelling, for cannon	1.2C	UN0414	II	1.2C		None ...	62	None ...	Forbidden	Forbidden	10	.....
	Charges, shaped, flexible, linear	1.4D	UN0237	II	1.4D		None ...	62	None ...	Forbidden	75 kg	06	.....
	Charges, shaped, flexible, linear	1.1D	UN0288	II	1.1D	101	None ...	62	None ...	Forbidden	Forbidden	07	.....
	Charges, shaped, <i>without deto-nator.</i>	1.1D	UN0059	II	1.1D		None ...	62	None ...	Forbidden	Forbidden	07	.....
	Charges, shaped, <i>without deto-nator.</i>	1.2D	UN0439	II	1.2D		None ...	62	None ...	Forbidden	Forbidden	07	.....
	Charges, shaped, <i>without deto-nator.</i>	1.4D	UN0440	II	1.4D		None ...	62	None ...	Forbidden	75 kg	06	.....
	Charges, shaped, <i>without deto-nator.</i>	1.4S	UN0441	II	1.4S		None ...	62	None ...	25 kg	100 kg	05	.....
	Charges, supplementary explo-sive.	1.1D	UN0060	II	1.1D		None ...	62	None ...	Forbidden	Forbidden	10	.....
	Chemical kit	8	NA1760	II	8		154	161	None ...	1 L	30 L	B	40
	Chemical kits	9	UN3316	II	9		154	161	None ...	10 kg	10 kg	A	40
	Chloral anhydrous, stabilized	6.1	UN2075	II	6.1		None	202	243	5 L	60 L	D	56, 58, 106
Chlorate and borate mixtures	5.1	UN1458	II	5.1		A9, IB8, IP2, IP4, IP5, N34	152	240	5 kg	25 kg	A	56, 58, 106	
.....						A9, IB8, IP3, N34	152	240	25 kg	100 kg	A	56, 58, 106	
Chlorate and magnesium chlo-ride mixtures.	5.1	UN1459	II	5.1		A9, IB8, IP2, IP4, N34, T4, TP1	152	240	5 kg	25 kg	A	56, 58, 106	
.....						A9, IB8, IP3, N34, T4, TP1	152	240	25 kg	100 kg	A	56, 58, 106	
Chlorate of potash, <i>see</i> Potas-sium chlorate.													
Chlorate of soda, <i>see</i> 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	B	56, 58, 106
Chlorates, inorganic, n.o.s.	5.1	UN1461	II	5.1	A9, IB6, IP2, N34	152	212	242	5 kg	25 kg	A	56, 58, 106
Chloric acid aqueous solution, with not more than 10 percent chloric acid.	5.1	UN2626	II	5.1	IB2	None	229	None	Forbidden	Forbidden	D	56, 58, 106
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, 8	2, B9, B14, T50, TP19	None	304	314, 315	Forbidden	Forbidden	D	40, 51, 55, 62, 68, 89, 90
Chlorine azide	Forbidden											
Chlorine dioxide, hydrate, frozen	5.1	NA9191	II	5.1, 6.1		None	229	None	Forbidden	Forbidden	E	
Chlorine dioxide (not hydrate)	Forbidden											
Chlorine pentafluoride	2.3	UN2548		2.3, 5.1, 8	1, B7, B9, B14	None	304	314	Forbidden	Forbidden	D	40, 89, 90
Chlorine trifluoride	2.3	UN1749		2.3, 5.1, 8	2, B7, B9, B14	None	304	314	Forbidden	Forbidden	D	40, 89, 90
Chlorite solution	8	UN1908	II	8	A3, A6, A7, B2, IB2, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26
Chlorites, inorganic, n.o.s.												
1-Chloro-1,1-difluoroethane or Refrigerant gas R 142b.	5.1	UN1462	II	5.1	A3, A6, A7, B2, IB3, N34, T4, TP2, TP24	152	212	242	5 kg	25 kg	A	56, 58, 106
3-Chloro-4-methylphenyl isocyanate.	2.1	UN2517		2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
1-Chloro-1,2,2,2-tetrafluoroethane or Refrigerant gas R 124.	6.1	UN2236	II	6.1	IB2	None	202	243	5 L	60 L	B	40
4-Chloro-o-toluidine hydrochloride.	2.2	UN1021		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
1-Chloro-2,2,2-trifluoroethane or Refrigerant gas R 133a.	6.1	UN1579	III	6.1	IB8, IP3, T4, TP1	153	213	240	100 kg	200 kg	A	
Chloroacetic acid, molten	2.2	UN1983		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Chloroacetic acid, solid	6.1	UN3250	II	6.1, 8	IB1, T7, TP3, TP28	None	202	243	Forbidden	Forbidden	C	40
	6.1	UN1751	II	6.1, 8	A3, A7, IB8, IP4, N34	None	212	242	15 kg	50 kg	A	40

D

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
(1)	Chloroacetic acid, solution	6.1	UN1750	II	6.1, 8	A7, IB2, N34, T7, TP2	None ...	202	243	1 L	30 L	C	40
	Chloroacetone, stabilized	6.1	UN1695	I	6.1, 3, 8	2, B9, B14, B32, B74, N12, N32, N34, T20, TP2, TP13, TP38, TP45	None ...	227	244	Forbidden	Forbidden	D	21, 40, 100
+	<i>Chloroacetone (unstabilized)</i>	Forbidden	UN2668	II	6.1, 3	2, B9, B14, B32, B74, IB99, T20, TP2, TP38, TP45	None ...	227	244	Forbidden	Forbidden	A	12, 26, 40
	Chloroacetophenone (CN), liquid	6.1	UN1697	II	6.1	A3, IB2, N12, N32, N33, T11, TP2, TP13, TP27	None ...	202	243	Forbidden	60 L	D	12, 40
	Chloroacetophenone (CN), solid	6.1	UN1697	II	6.1	A3, IB8, IP2, IP4, N12, N32, N33, N34, T7, TP2, TP13	None ...	212	None ...	Forbidden	100 kg	D	12, 40
	Chloroacetyl chloride	6.1	UN1752	I	6.1, 8	2, A3, A6, A7, B3, B8, B9, B14, B32, B74, B77, N34, N43, T20, TP2, TP13, TP38, TP45	None ...	227	244	Forbidden	Forbidden	D	40
	Chloroanilines, liquid	6.1	UN2019	II	6.1	IB2, T7, TP2	None ...	202	243	5 L	60 L	A	.....
	Chloroanilines, solid	6.1	UN2018	II	6.1	IB8, IP2, IP4, T7, TP2	None ...	212	242	25 kg	100 kg	A	.....
	Chloroanisidines	6.1	UN2233	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	.....
	Chlorobenzene	3	UN1134	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Chlorobenzol, see Chloro- benzene.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Chlorobenzotrifluorides	3	UN2234	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Chlorobenzyl chlorides	6.1	UN2235	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	.....
	Chlorobutanes	3	UN1127	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	Chlorocresols, liquid	6.1	UN2669	II	6.1	IB2, T7, TP2	None ...	202	243	5 L	60 L	A	12
	Chlorocresols, solid	6.1	UN2669	II	6.1	IB8, IP2, IP3, T7	None ...	212	242	25 kg	100 kg	A	12
	Chlorodifluoromethane or Refrigerant gas R 12B1.	2.2	UN1974	.....	2.2	T50	306	304	314, 315	75 kg	150 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	.....
+ Chlorodinitrobenzenes, liquid	2.2	UN1018	.....	2.2	T50	306	304	314, 315.	75 kg	150 kg	A	.....
+ Chlorodinitrobenzenes, solid	6.1	UN1577	II	6.1	IB2, T11, TP2, TP27	None	202	243	5 L	60 L	B	91
2-Chloroethanal	6.1	UN1577	II	6.1	IB8, IP4, T7, TP2	None	212	242	25 kg	100 kg	A	91
Chlorodifluoromethane or Refrigerant gas R 22	6.1	UN2232	I	6.1	2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Chloroform	6.1	UN1888	III	6.1	IB3, N36, 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	None	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
Chloroformates, toxic, corrosive, n.o.s.	6.1	UN3277	II	6.1, 8	IB2, T8, TP2, TP13, TP28	None	202	243	1 L	30 L	A	12, 13, 25, 40
Chloromethyl chloroformate	6.1	UN2745	II	6.1, 8	IB2, T7, TP2, TP13	None	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
Chloromethyl ethyl ether	3	UN2354	II	3, 6.1	IB2, T7, TP1, TP13	None	202	243	1 L	60 L	E	40
Chloronitroanilines	6.1	UN2237	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	.....
Chloronitrobenzene, ortho, liquid	6.1	UN1578	II	6.1	IB2, T11, TP2, TP13, TP27	None	202	243	5 L	60 L	A	.....
Chloronitrobenzenes meta or para, solid	6.1	UN1578	II	6.1	IB8, IP2, IP4, T7, TP2	None	212	242	25 kg	100 kg	A	.....
Chloronitrobenzenes, liquid	6.1	UN2433	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	.....
Chloronitrobenzenes, solid	6.1	UN2433	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	.....
Chloropentafluoroethane or Refrigerant gas R 115.	2.2	UN1020	.....	2.2	150	306	304	314, 315.	75 kg	150 kg	A	.....
Chlorophenolates, liquid or Phenolates, liquid.	8	UN2904	III	8	IB3	154	203	241	5 L	60 L	A	.....
Chlorophenolates, solid or Phenolates, solid.	8	UN2905	III	8	IB8, IP3	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, T4, TP1	153	213	240	100 kg	200 kg	A	.....
Chlorophenyltrichlorosilane	8	UN1753	II	8	A7, B2, B6, IB2, N34, T7, TP2	None	202	242	Forbidden	30 L	C	40
Chloropicrin	6.1	UN1580	I	6.1	2, B7, B9, B14, B32, B46, B74, 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, T50	None	193	314, 315.	Forbidden	Forbidden	D	25, 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
	Chloropicrin and methyl chloride mixtures. <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>	2.3	UN1582		2.3	2, T50	None	193	245	Forbidden	Forbidden	D	25, 40
	Chloropicrin mixtures, n.o.s.	6.1	UN1583	I	6.1	5 IB2	None	201	243	Forbidden	Forbidden	C	40
				III	6.1	IB3	None	202	243	Forbidden	Forbidden	C	40
				I	6.1, 8	2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45	None	203	241	Forbidden	Forbidden	C	40
D	Chloroacetaldehyde	6.1	NA9263	I	6.1, 8	B57, T14, TP2, TP13	None	227	244	Forbidden	Forbidden	B	40
	Chloroacetic acid, solid	8	UN2507	III	8	IB8, IP3	154	213	240	25 kg	100 kg	A	
	Chloroacetic acid, liquid	3	UN1991	I	3, 6.1	B57, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	40
	<i>Chloroacetic acid, uninhibited</i>	Forbidden											
	1-Chloropropane	3	UN1278	II	3	IB2, N34, T7, TP2	None	202	242	Forbidden	60 L	E	
	2-Chloropropane	3	UN2356	I	3	N36, T11, TP2, TP13	150	201	243	1 L	30 L	E	
	3-Chloropropanol-1	6.1	UN2849	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	2-Chloropropane	3	UN2456	I	3	A3, N36, T11, TP2	150	201	243	1 L	30 L	E	
	2-Chloropropionic acid	8	UN2511	III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A	8
	2-Chloropyridine	6.1	UN2822	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A	40
	Chlorosilanes, corrosive, flammable, n.o.s.	8	UN2986	II	8, 3	IB2, T11, TP2, TP27	None	202	243	1 L	30 L	C	40
	Chlorosilanes, corrosive, n.o.s.	8	UN2987	II	8	B2, IB2, T14, TP2, TP27	154	202	242	1 L	30 L	C	40
	Chlorosilanes, flammable, corrosive, n.o.s.	3	UN2985	II	3, 8	IB1, T11, TP2, TP13, TP27	None	201	243	1 L	5 L	B	40
	Chlorosilanes, toxic, corrosive, n.o.s.	6.1	UN3361	II	6.1, 8	IB1, T11, TP2, TP13	None	202	243	1 L	30 L	C	40
	Chlorosilanes, toxic, corrosive, flammable, n.o.s.	6.1	UN3362	II	6.1, 3, 8	IB1, T11, TP2, TP13	None	202	243	1 L	30 L	C	40, 125

UN number	UN description	Class	Subclass	Provisions	Special provisions	Quantity	Restrictions	Other
4.3 UN2988	Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.	I	4.3, 3, 8	A2, T10, TP2, TP7, TP13	None	201	244	21, 28, 40, 49, 100, 40
8 UN1754	Chlorosulfonic acid (with or without sulfur trioxide)	I	8, 6.1	2, A3, A6, A10, B9, B10, B14, B32, B74, T20, TP2, TP12, TP38, TP45	None	227	244	
3 UN2238	Chlorobutenes	III	3	B1, IB3, T2, TP1	150	203	242	220 L A
6.1 UN2239	Chlorotoluidines liquid	III	6.1	IB3, T7, TP1, TP28	153	203	241	220 L A
6.1 UN2239	Chlorotoluidines solid	III	6.1	IB8, IP3, T4, TP1	153	213	240	200 kg A
2.2 UN2399	Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with approximately 60 percent chlorotrifluoromethane		2.2		306	304	314, 315	150 kg A
2.2 UN1022	Chlorotrifluoromethane or Refrigerant gas R 13		2.2		306	304	314, 315	150 kg A
8 UN1755	Chromic acid solution	II	8	B2, IB2, T8, TP2, TP12	154	202	242	30 L C
		III	8	IB3, T4, TP1, TP12	154	203	241	60 L C
		II	8					
8 UN1756	Chromic anhydride, see Chromium trioxide, anhydrous	II	8	IB8, IP2, IP4	154	212	240	50 kg A
8 UN1757	Chromic fluoride, solid	III	8	B2, IB2, T7, TP2	154	202	242	30 L A
		III	8	IB3, T4, TP1	154	203	241	60 L A
5.1 UN2720	Chromium nitrate	III	5.1	A1, A29, IB8, IP3	152	213	240	100 kg A
8 UN1758	Chromium oxychloride	I	8	A3, A6, A7, B10, N34, T10, TP2, TP12	None	201	243	2.5 L C
5.1 UN1463	Chromium trioxide, anhydrous	II	5.1, 8	IB8, IP4	None	212	242	25 kg A
8 UN2240	Chromosulfuric acid	I	8	A3, A6, A7, B4, B6, N34, T10, TP2, TP12, TP13	None	201	243	2.5 L B
	Chromyl chloride, see Chromium oxychloride							
	Cigar and cigarette lighters, charged with fuel, see Lighters or Lighter refills containing flammable gas							
	Coal briquettes, hot							
	Coal gas, compressed							
	Coal tar distillates, flammable							
Forbidden 2.3 UN1023			2.3	3	None	302	314, 315	25 kg D
3 UN1136		II	3	IB2, T4, TP1	150	202	242	60 L B
		III	3	B1, IB3, T4, TP1, TP29	150	203	242	220 L A

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
	Coal tar dye, corrosive, liquid, n.o.s., see Dyes, liquid or solid, n.o.s., or Dye intermediates, liquid or solid, corrosive, n.o.s.												
	Coating solution (includes sur- face treatments or coatings used for industrial or other purposes such as vehicle un- dercoating, drum or barrel lin- ing).	3	UN1139	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
				II	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	Cobalt naphthenates, powder	4.1	UN2001	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Cobalt resinates, precipitated	4.1	UN1318	III	4.1	A19, IB8, IP3	151	213	240	25 kg	100 kg	A	
	Coke, hot	Forbidden		III	4.1	A1, A19, IB6	151	213	240	25 kg	100 kg	A	
D G	Collodion, see Nitrocellulose etc												
	Combustible liquid, n.o.s.	Combustible liquid	NA1993	III	None	IB3, T1, T4, TP1	150	203	241	60 L	220 L	A	
G	Components, explosive train, n.o.s.	1.2B	UN0382	II	1.2B	101	None	62	None	Forbidden	Forbidden	11	
G	Components, explosive train, n.o.s.	1.4B	UN0383	II	1.4B	101	None	62	None	Forbidden	75 kg	06	
G	Components, explosive train, n.o.s.	1.4S	UN0384	II	1.4S	101	None	62	None	25 kg	100 kg	05	
G	Components, explosive train, n.o.s.	1.1B	UN0461	II	1.1B	101	None	62	None	Forbidden	Forbidden	11	
D G	Compounds, cleaning liquid	8	NA1760	I	8	A7, B10, T14, TP2, TP9, TP27	None	201	243	0.5 L	2.5 L	B	40
				II	8	B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
				III	8	IB3, N37, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
D G	Compounds, cleaning liquid	3	NA1993	I	3	T11, TP1, TP9	150	201	243	1 L	30 L	E	
				II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	

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D G	Compounds, tree killing, liquid or Compounds, weed killing, liq- uid.	8	NA1760	I 8	None	201	243	0.5 L	2.5 L B	A	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liq- uid.	3	NA1993	I 3	150	201	243	1 L	30 L B	B	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liq- uid.	6.1	NA2810	I 6.1	None	201	243	1 L	30 L B	B	40
G	Compressed gas, flammable, n.o.s.	2.1	UN1954	.....	306	302	314, 315.	Forbidden	150 kg D	D	40
G	Compressed gas, n.o.s.	2.2	UN1956	.....	306, 307.	302	314, 315.	75 kg	150 kg A	A	40
G	Compressed gas, oxidizing, n.o.s.	2.2	UN3156	.....	306	302	314, 315.	75 kg	150 kg D	D	40
G I	Compressed gas, toxic, corro- sive, n.o.s. <i>Inhalation Hazard</i> Zone A.	2.3	UN3304	.....	None	192	245	Forbidden	Forbidden D	D	40
G I	Compressed gas, toxic, corro- sive, n.o.s. <i>Inhalation Hazard</i> Zone B.	2.3	UN3304	.....	None	302	314, 315.	Forbidden	Forbidden D	D	40
G I	Compressed gas, toxic, corro- sive, n.o.s. <i>Inhalation Hazard</i> Zone C.	2.3	UN3304	.....	None	302	314, 315.	Forbidden	Forbidden D	D	40
G I	Compressed gas, toxic, corro- sive, n.o.s. <i>Inhalation Hazard</i> Zone D.	2.3	UN3305	.....	None	192	245	Forbidden	Forbidden D	D	17, 40
G I	Compressed gas, toxic, flamm- able, corrosive, n.o.s. <i>Inha- lation Hazard Zone A.</i>	2.3	UN3305	.....	None	302	314, 315.	Forbidden	Forbidden D	D	17, 40
G I	Compressed gas, toxic, flamm- able, corrosive, n.o.s. <i>Inha- lation Hazard Zone B.</i>	2.3	UN3305	.....	None	302	314, 315.	Forbidden	Forbidden D	D	17, 40
G I	Compressed gas, toxic, flamm- able, corrosive, n.o.s. <i>Inha- lation Hazard Zone C.</i>	2.3	UN3305	.....	None	302	314, 315.	Forbidden	Forbidden D	D	17, 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym- bols	(2) Hazardous materials descrip- tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
G I	Compressed gas, toxic, flam- mable, corrosive, n.o.s. <i>Inhala- tion 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, flam- mable, n.o.s. <i>Inhalation haz- ard Zone A.</i>	2.3	UN1953	.....	2.3, 2.1.	1	None ... 192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flam- mable, n.o.s. <i>Inhalation haz- ard 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, flam- mable, n.o.s. <i>Inhalation Haz- ard 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, flam- mable, n.o.s. <i>Inhalation Haz- ard Zone D.</i>	2.3	UN1955	.....	2.3	4	None ... 302, 305.	314, 315.	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>In- halation 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>In- halation 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>In- halation 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>In- halation Hazard Zone D.</i>	2.3	UN1955	.....	2.3	4	None ... 302, 305.	314, 315.	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, oxi- dizing, corrosive, n.o.s. <i>In- halation Hazard Zone A.</i>	2.3	UN3306	.....	2.3, 5.1, 8.	1	None ... 192	244	Forbidden	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxi- dizing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone B.</i>	2.3	UN3306	.....	2.3, 5.1, 8.	2, B9, B14	None ... 302, 305.	314, 315.	Forbidden	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxi- dizing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone C.</i>	2.3	UN3306	.....	2.3, 5.1, 8.	3, B14	None ... 302, 305.	314, 315.	Forbidden	Forbidden	D	40, 89, 90
G	Compressed gas, toxic, oxi- dizing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone D.</i>	2.3	UN3303	.....	2.3, 5.1.	1	None ... 192	245	Forbidden	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
A W	Copper selenate, see Selenates or Selenites.												
	Copper selenite, see Selenates or Selenites.												
	Copper tetramine nitrate	Forbidden 4.2	UN1363										
	Copra				4.2			213	241	Forbidden	Forbidden	A	13, 19, 48, 119
	Cord, detonating, flexible	1.1D	UN0065	II	1.1D	102	63(a)	62	None	None	Forbidden	07	
	Cord, detonating, flexible	1.4D	UN0289	II	1.4D		None	62	None	None	Forbidden	06	
	Cord, detonating or Fuse deto-nating metal clad	1.2D	UN0102	II	1.2D		None	62	None	None	Forbidden	07	
	Cord, detonating or Fuse, deto-nating metal clad	1.1D	UN0290	II	1.1D		None	62	None	None	Forbidden	07	
	Cord, detonating, mild effect or Fuse, detonating, mild effect metal clad	1.4D	UN0104	II	1.4D		None	62	None	None	Forbidden	06	
	Cord, igniter	1.4G	UN0066	II	1.4G		None	62	None	None	Forbidden	06	
G	Cordeau detonant fuse, see Cord, detonating, etc; Cord, detonating, flexible.												
	Cordite, see Powder, smokeless												
	Corrosive liquid, acidic, inor-ganic, n.o.s.		UN3264	I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
				II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
				I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
				II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
				I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
				II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
G	Corrosive liquid, basic, inor-ganic, n.o.s.		UN3266	I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
				II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40

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G	Corrosive liquid, basic, organic, n.o.s.	8	UN3267	I 8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
				II 8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
				III 8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
G	Corrosive liquid, self-heating, n.o.s.	8	UN3301	I 8, 4.2	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	D	
				II 8, 4.2	B2, IB1	154	202	242	1 L	30 L	D	
				I 8, 3	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	C	25, 40
G	Corrosive liquids, flammable, n.o.s.			II 8, 3	B2, IB2, T11, TP2, TP27	None	202	243	1 L	30 L	C	25, 40
G	Corrosive liquids, n.o.s.	8	UN1760	I 8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
				II 8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
				III 8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
G	Corrosive liquids, oxidizing, n.o.s.	8	UN3093	I 8, 5.1	None	None	201	243	Forbidden	2.5 L	C	89
				II 8, 5.1	IB2	None	202	243	1 L	30 L	C	89
				I 8, 6.1	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
G	Corrosive liquids, toxic, n.o.s.	8	UN2922	II 8, 6.1	B3, IB2, T7, TP2	None	202	243	1 L	30 L	B	40
				III 8, 6.1	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	B	40
G	Corrosive liquids, water-reactive, n.o.s.	8	UN3094	I 8, 4.3	None	None	201	243	Forbidden	1 L	E	
				II 8, 4.3	IB7, IP1	None	202	243	1 L	5 L	E	
				I 8	None	None	211	242	1 kg	25 kg	B	
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3260	II 8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	B	
				III 8	IB8, IP3	154	213	240	25 kg	100 kg	A	
				I 8	IB7, IP1	None	211	242	1 kg	25 kg	B	
G	Corrosive solid, acidic, organic, n.o.s.	8	UN3261	II 8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	B	
				III 8	IB8, IP3	154	213	240	25 kg	100 kg	A	
				I 8	IB7, IP1	None	211	242	1 kg	25 kg	B	
G	Corrosive solid, basic, inorganic, n.o.s.	8	UN3262	II 8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	B	
				III 8	IB8, IP3	154	213	240	25 kg	100 kg	A	
				I 8	IB7, IP1	None	211	242	1 kg	25 kg	B	
G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	II 8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	B	
				III 8	IB8, IP3	154	213	240	25 kg	100 kg	A	
				I 8, 4.1	IB6	None	211	242	1 kg	25 kg	B	12, 25
G	Corrosive solids, flammable, n.o.s.	8	UN2921	II 8, 4.1	IB8, IP2, IP4	None	212	242	15 kg	50 kg	B	12, 25
				I 8	IB7, IP1	None	211	242	1 kg	25 kg	B	
G	Corrosive solids, n.o.s.	8	UN1759	I 8	None	None	211	242	1 kg	25 kg	B	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
					II 8	128, IB8, IP2, IP4	212	240	15 kg	50 kg	A		
G	Corrosive solids, oxidizing, n.o.s.	8	UN3084		III 8	128, IB8, IP3	213	240	25 kg	100 kg	A		
G	Corrosive solids, self-heating, n.o.s.	8	UN3095		II 8, 5.1	IB6, IP2	211	242	1 kg	25 kg	C		
					I 8, 4.2		212	242	15 kg	50 kg	C		
G	Corrosive solids, toxic, n.o.s.	8	UN2923		II 8, 4.2	IB6, IP2	212	242	15 kg	50 kg	C		
					I 8, 6.1	IB7	211	242	1 kg	25 kg	B	40	
					II 8, 6.1	IB8, IP2, IP4	212	240	15 kg	50 kg	B	40	
G	Corrosive solids, water-reactive, n.o.s.	8	UN3096		III 8, 6.1	IB8, IP3	154	213	25 kg	100 kg	B	40, 95	
					I 8, 4.3	IB4, IP1	211	243	1 kg	25 kg	D		
D W	Cotton		NA1365		II 8, 4.3	IB6, IP2	212	242	15 kg	50 kg	D		
A W	Cotton waste, oily		UN1364		III 4.2	137, IB8, IP2, IP4, W41	None	None	No limit	No limit	A		
A I	Cotton, wet		UN1365		III 4.2	IB8, IP6	None	None	Forbidden	Forbidden	A	54	
W	Coumarin derivative pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.		UN3024		I 3, 6.1	T14, TP2, TP13, TP27	None	201	Forbidden	Forbidden	A		
					II 3, 6.1	IB2, T11, TP2, TP13, TP27	None	243	1 L	60 L	B	40	
					I 6.1	T14, TP2, TP13, TP27	None	201	1 L	30 L	B	40	
					II 6.1	IB2, T11, TP2, TP27	None	202	5 L	60 L	B	40	
					III 6.1	IB3, T7, TP1, TP28	153	203	60 L	220 L	A	40	
					I 6.1, 3	T14, TP2, TP13, TP27	None	201	1 L	30 L	B	40	
					II 6.1, 3	IB2, T11, TP2, TP13, TP27	None	202	5 L	60 L	B	40	
					III 6.1, 3	B1, IB3, T7, TP1, TP28	153	203	60 L	220 L	A	40	

Coumarin derivative pesticides, solid, toxic	6.1	UN3027	I	6.1	IB7, IP1, T14, TP2, TP27	None	211	242	5 kg	50 kg	A	40
			II	6.1	IB8, IP2, IP4, T11, IP2, TP27	None	212	242	25 kg	100 kg	A	40
			III	6.1	IB8, IP3, T7, TP1, TP28	153	213	240	100 kg	200 kg	A	40
Cresols, liquid	6.1	UN2076	II	6.1, 8	IB8, IP2, IP4, T7, TP2	None	202	243	1 L	30 L	B	
Cresols, solid	6.1	UN2076	II	6.1, 8	IB8, IP2, IP4, T7, TP2	None	202	243	1 L	30 L	B	
Cresylic acid	6.1	UN2022	II	6.1, 8	IB2, T7, TP2, TP13	None	202	243	1 L	30 L	B	
Crotonaldehyde, stabilized	6.1	UN1143	I	6.1, 3	2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	B	40
Crotonic acid liquid	8	UN2823	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	12
Crotonic acid, solid	8	UN2823	III	8	IB8, IP3	154	203	241	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	None	202	243	1 L	30 L	A	95
			III	8, 6.1	IB3, T7, TP1	154	203	242	5 L	60 L	A	
Cutters, cable, explosive	1.4S	UN0070	II	1.4S	TP28	None	62	None	25 kg	100 kg	05	
Cyanide or cyanide mixtures, dry, see Cyanides, inorganic, solid, n.o.s.												
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	None	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	None	211	242	5 kg	50 kg	A	52
			II	6.1	IB8, IP2, IP4, N74, N75	None	212	242	25 kg	100 kg	A	52
			III	6.1	IB8, IP3, N74, N75	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		None	211	242	1 kg	15 kg	D	40
Cyanogen bromide	6.1	UN1889	I	6.1, 8	A6, A8	None	192	245	Forbidden	Forbidden	D	40
Cyanogen chloride, stabilized	2.3	UN1589		2.3, 8	1	None	192	245	15 kg	50 kg	A	12, 40
Cyanuric chloride	8	UN2670	II	8	IB8, IP2, IP4	None	212	240	Forbidden	Forbidden	D	40
Cyanuric triazide	Forbidden					306	304	314	Forbidden	150 kg	B	40
Cyclobutane	2.1	UN2601		2.1		306	304	314	Forbidden	150 kg	B	40
Cyclobutyl chloroformate	6.1	UN2744	II	6.1, 8, 3	IB1, T7, TP2, TP13	None	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
1,5,9-Cyclododecatriene	6.1	UN2518	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
	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	None	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	III	3	B1, IB3, T2, 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	.....
	Cyclohexenyldichlorosilane	8	UN1762	II	8	A7, B2, IB2, N34, T7, TP2, TP13	None	202	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, B74, B77, T20, TP2, TP13, TP38, 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	IB2, T7, TP2	None	202	243	1 L	30 L	A	40
	Cyclohexyltrichlorosilane	8	UN1763	II	8	A7, B2, IB2, N34, T7, TP2, TP13	None	202	242	Forbidden	30 L	C	40
	Cyclonite and cyclotetramethylenetetranitramine 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.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Cyclonite and octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Cyclonite, see Cyclotrimethylenetrinitramine, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Cyclooctadiene phosphines, see 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, methyl, see Methylcyclopentane												
Cyclopentanol	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, T7, TP2	150	202	242	5 L	60 L	E	40
Cyclopropane	2.1	UN1027	.....	2.1	T50	306	304	314, 315.	Forbidden	150 kg	E	40
Cyclotramethylene (dry tetranitramine or unpigmented) (HMX)	Forbidden											
Cyclotramethylenetetranitramine, desensitized or Octogen, desensitized or HMX, desensitized	1.1D	UN0484	II	1.1D		None	62	None	Forbidden	Forbidden	10	.....
Cyclotramethylenetetranitramine, wetter 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	.....
Cyclotrimethylenetrinitramine and cyclotetramethylenetetranitramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.												
Cyclotrimethylenetrinitramine and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.												
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 Cyclonite, desensitized or Hexogen, desensitized or RDX, desensitized	1.1D	UN0072	II	1.1D		None	62	None	Forbidden	Forbidden	10	.....
Cyclotrimethylenetrinitramine, wetter or Cyclonite, wetted or Hexogen, wetted or RDX, wetter with not less than 15 percent water by mass.												
Cymenes	3	UN2046	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 descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
	Dangerous Goods in Machinery or Dangerous Goods in Appa- ratus.	9	UN3363			136	None ...	222 ...	None ...	No limit	No limit	A	
	Decaborane	4.1	UN1868	II	4.1.	A19, A20, IB6, IP2	None ...	212 ...	None ...	Forbidden	50 kg	A	
	Decahydronaphthalene	3	UN1147	III	3	B1, IB3, T2, TP1	150 ...	203 ...	242 ...	60 L	220 L	A	
	n-Decane	3	UN2247	III	3	B1, IB3, T2, TP1	150 ...	203 ...	242 ...	60 L	220 L	A	
	Deflagrating metal salts of aro- matic nitroderivatives, n.o.s.	1.3C	UN0132	II	1.3C		None ...	62 ...	None ...	Forbidden	Forbidden	10	5E
	Delay electric igniter, see Ignit- ers.												
	Depth charges, see Charges, depth.												
	Detonating relays, see Deto- nators, etc.												
	Detonator assemblies, non-elec- tric for blasting.	1.1B	UN0360	II	1.1B		None ...	62 ...	None ...	Forbidden	Forbidden	11	
	Detonator assemblies, non-elec- tric, for blasting.	1.4B	UN0361	II	1.4B	103	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	103	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	103	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	103	63(f), 63(g).	62 ...	None ...	Forbidden	75 kg	06	
	Detonators, non-electric, for blasting.	1.4S	UN0455	II	1.4S		63(f), 63(g).	62 ...	None ...	25 kg	100 kg	05	
	Deuterium, compressed	2.1	UN1957		2.1		306 ...	302 ...	None ...	Forbidden	150 kg	E	40

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UN3150	2.1	306	304	None	Forbidden	150 kg	B	40
Devices, small, hydrocarbon gas powered or hydrocarbon gas refills for small devices with release device.								
UN2841 3 Forbidden Di-n-amylamine Di-n-butyl peroxydicarbonate, with more than 52 percent in solution.	III 3, 6.1	150 B1, IB3, T4, TP1	203	242	60 L	220 L	A	
UN2248 8 Forbidden Di-n-butylamine 2,2-Di-(tert-butylperoxy) butane, with more than 55 percent in solution. Di-(tert-butylperoxy) phthalate, with more than 55 percent in solution. 2,2-Di-(4,4-d-tert-butylperoxycyclohexyl) propane, with more than 42 percent with inert solid. Di-2,4-dichlorobenzoyl peroxide, with more than 75 percent with water. 1,2-Di-(dimethylamino)ethane Di-2-ethylhexyl phosphoric acid, see Diisooctyl acid phosphate. Di-(1-hydroxytetrazole) (dry) Di-(1-naphthyl) peroxide a,2-Di-(nitroxy) methyl ether Di-(beta-nitroxyethyl) ammonium nitrate.	II 8, 3	None IB2, T7, TP2	202	243	1 L	30 L	A	
UN2372 3 Forbidden Diacetone alcohol peroxides, with more than 57 percent in solution with more than 9 percent hydrogen peroxide, less than 26 percent diacetone alcohol and less than 9 percent water; total active oxygen content more than 9 percent by mass. Diacetyl, see Butanedione Diacetyl peroxide, solid, or with more than 25 percent in solution. Diagnostic specimen Dialylamine Diallyl ether	II 3	150 IB2, T4, TP1	202	242	5 L	60 L	B	
UN1148 3 Forbidden Diacetone alcohol Diacetone alcohol peroxides, with more than 57 percent in solution with more than 9 percent hydrogen peroxide, less than 26 percent diacetone alcohol and less than 9 percent water; total active oxygen content more than 9 percent by mass. Diacetyl, see Butanedione Diacetyl peroxide, solid, or with more than 25 percent in solution. Diagnostic specimen Dialylamine Diallyl ether	III 3	150 B1, IB3, T2, TP1	202 203	242 242	5 L 60 L	60 L 220 L	B A	
UN2359 3 Forbidden Diacetone alcohol Diacetone alcohol peroxides, with more than 57 percent in solution with more than 9 percent hydrogen peroxide, less than 26 percent diacetone alcohol and less than 9 percent water; total active oxygen content more than 9 percent by mass. Diacetyl, see Butanedione Diacetyl peroxide, solid, or with more than 25 percent in solution. Diagnostic specimen Dialylamine Diallyl ether	II 3, 6.1, 8	A82 IB2, T7, TP1	199 202	None 243	4 L or 4kg 1 L	4L or 4 kg 5 L	A B	40 21, 40, 100 40
UN2360 3 Forbidden Diacetone alcohol Diacetone alcohol peroxides, with more than 57 percent in solution with more than 9 percent hydrogen peroxide, less than 26 percent diacetone alcohol and less than 9 percent water; total active oxygen content more than 9 percent by mass. Diacetyl, see Butanedione Diacetyl peroxide, solid, or with more than 25 percent in solution. Diagnostic specimen Dialylamine Diallyl ether	II 3, 6.1	None IB2, N12, T7, TP1, TP13	202	243	1 L	60 L	E	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
D	4,4'-Diaminodiphenyl methane ...	6.1	UN2651	III	6.1	IB8, IP3, T4, TP1	153	213	240	100 kg	200 kg	A	
	<i>p</i> -Diazobenzene	Forbidden											
	1,2-Diazidethane	Forbidden											
	1,1-Diazoaminonaphthalene	Forbidden											
	Diazoaminotetrazole (dry)	Forbidden											
	Diazodinitrophenol (dry)	Forbidden											
	Diazodinitrophenol, wetted with not less than 40 percent water or mixture of alcohol and water, by mass.	1.1A	UN0074	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	12	
	Diazodiphenylmethane	Forbidden											
	Diazodiphenylmethane	Forbidden											
	Diazonium nitrites (dry)	Forbidden											
Diazonium perchlorates (dry)	Forbidden												
1,3-Diazopropane	Forbidden												
Dibenzyl peroxydicarbonate, with more than 87 percent with water.	Forbidden												
Dibenzylchlorosilane	8	UN2434	II	8	B2, IB2, T7, TP2, TP13	154	202	242	1 L	30 L	C	40	
Diborane	2.3	UN1911	2.3	2.1	1	None	302	None	Forbidden	Forbidden	D	40, 57	
Diborane mixtures	2.1	NA1911		2.1	5	None	302	245	Forbidden	Forbidden	D	40, 57	
Dibromoacetylene	Forbidden												
1,2-Dibromobutan-3-one	6.1	UN2648	II	6.1	IB2	None	202	243		60 L	B	40	
Dibromochloropropane	6.1	UN2872	III	6.1	IB3, T4, TP1	153	203	241		60 L	A		
Dibromodifluoromethane, F12B2	9	UN1941	III	None	T11, TP2	155	203	241		100 L	A	25	
1,2-Dibromoethane, see Ethylene dibromide.													
Dibromomethane	6.1	UN2664	III	6.1	IB3, T4, TP1	153	203	241		220 L	A		
Dibutyl ethers	3	UN1149	III	3	B1, IB3, T2, TP1	150	203	242		60 L	A		
Dibutylaminoethanol	6.1	UN2873	III	6.1	IB3, T4, TP1	153	203	241		60 L	A		
<i>N,N</i> -Dichloroazodicarbonamide (salts of) (dry).	Forbidden												
1,1-Dichloro-1-nitroethane	6.1	UN2650	II	6.1	IB2, T7, TP2	None	202	243		5 L	A	12, 40	
3,5-Dichloro-2,4,6-trifluoropyridine.	6.1	NA9264	I	6.1	2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A		
Dichloroacetic acid	8	UN1784	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2, TP12	154	202	242	1 L	30 L	A		

UN Number	Classification	Label	Quantity	Special Provisions	Quantity	Label	Quantity
1,3-Dichloroacetone	6.1	IB8, IP2, IP4	100 kg	None	242	242	12, 40
Dichloroacetyl chloride	8	A3, A6, A7, B2, B6, IB2, N34, T7, TP2	30 L	154	242	242	40
Dichloroacetylene	Forbidden						40
Dichloroanilines, liquid	6.1	IB2, T7, TP2	60 L	None	243	243	40
Dichloroanilines, solid	6.1	IB8, IP2, IP4, T7, TP2	100 kg	None	242	242	40
o-Dichlorobenzene	6.1	IB3, T4, TP1	220 L	153	241	241	
2,2'-Dichlorodiethyl ether	6.1	IB2, N33, N34, T7, TP2	60 L	None	202	243	
Dichlorodifluoromethane and difluoroethane azetropic mixture or Refrigerant gas R 500 with approximately 74 percent dichlorodifluoromethane.	2.2	T50	150 kg	306	314, 315	315	
Dichlorodifluoromethane or Refrigerant gas R 12.	2.2	T50	150 kg	306	314, 315	315	
Dichlorodimethyl ether, symmetrical.	6.1		Forbidden	None	201	243	40
1,1-Dichloroethane	3	IB2, T4, TP1	60 L	150	242	242	40
1,2-Dichloroethane, see Ethylene dichloride.							
Dichloroethyl sulfide	Forbidden						
1,2-Dichloroethylene	3	IB2, T7, TP2	60 L	150	242	242	
Dichlorofluoromethane or Refrigerant gas R21.	2.2	T50	150 kg	306	314, 315	315	
Dichloroisocyanuric acid, dry, or Dichloroisocyanuric acid salts.	5.1	28, IB8, IP4	25 kg	152	240	240	13
Dichloroisopropyl ether	6.1	IB2, T7, TP2	60 L	None	202	243	
Dichloromethane	6.1	IB3, N36, T7, TP2	220 L	153	241	241	
Dichloropentanes	3	B1, IB3, T2, TP1	220 L	150	203	242	
Dichlorophenyl isocyanates	6.1	IB8, IP2, IP4, T7, TP2	100 kg	None	212	242	25, 40, 48
Dichlorophenyltrichlorosilane	8	A7, B2, B6, IB2, N34, T7, TP2, TP13	30 L	None	202	242	40
1,2-Dichloropropane	3	IB2, N36, T4, TP1	60 L	150	242	242	
1,3-Dichloropropanol-2	6.1	IB2, T7, TP2	60 L	None	202	243	12, 40
Dichloropropane and propylene dichloride mixture, see 1,2-Dichloropropane.							
Dichloropropenes	3	IB2, T4, TP1	60 L	150	202	242	
Dichlorosilane	2.3	B1, IB3, T2, TP1, 2, B9, B14	220 L	None	203	242	
			Forbidden	None	304	314, 315	17, 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
D	1,2-Dichloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R 114.	2.2	UN1958		2.2	150	306	304	314, 315.	75 kg	150 kg	A	
	<i>Dichlorovinylchloroarsine</i>	Forbidden											
	<i>Dicycloheptadiene, see</i> Bicycle [2,2,1] hepta-2,5-diene, stabilized.												
	Dicyclohexylamine	8	UN2565	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Dicyclohexylammonium nitrite	4.1	UN2687	III	4.1	IB8, IP3	151	213	240	25 kg	100 kg	A	48
	Dicyclopentadiene	3	UN2048	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Didymium nitrate	5.1	UN1465	III	5.1	A1, IB8, IP3	152	213	240	25 kg	100 kg	A	
	Diesel fuel	3	NA1983	III	None	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
	Diesel fuel	3	UN 1202	III	3	144, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Diethanol nitrosamine dinitrate (dry)</i>	Forbidden											
+	Diethoxymethane	3	UN2373	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	3,3-Diethoxypropene	3	UN2374	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Diethyl carbonate	3	UN2366	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Diethyl cellosolve, see</i> Ethylene glycol diethyl ether.												
	Diethyl ether or Ethyl ether	3	UN1155	I	3	T11, TP2	150	201	243	1 L	30 L	E	40
	Diethyl ketone	3	UN1156	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Diethyl peroxycarbonate, with more than 27 percent in solution.</i>	Forbidden											
	Diethyl sulfate	6.1	UN1594	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	C	
	Diethyl sulfide	3	UN2375	II	3	IB2, T7, TP1, TP13	None	202	243	5 L	60 L	E	
	Diethylamine	3	UN1154	II	3, 8	IB2, N34, T7, TP1	None	202	243	1 L	5 L	E	40
+	2-Diethylaminoethanol	8	UN2686	II	8, 3	B2, IB2, T7, TP2	None	202	243	1 L	30 L	A	
	3-Diethylamino-propylamine	3	UN2684	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
	N,N-Diethylamine	6.1	UN2432	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Diethylbenzene	3	UN2049	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Diethylchlorosilane	8	UN1767	II	8, 3	A7, B6, IB2, N34, T7, TP2, TP13	None	202	243	Forbidden	30 L	C	40
<i>Diethylene glycol dinitrate</i>	Forbidden												

Diethyleneglycol dinitrate, desensitized with not less than 25 percent non-volatile water-insoluble pigmentsizer, by mass.	1.1D	UN0075	II	1.1D ..	None ...	62	None ...	Forbiddn	Forbiddn	13	21E
Diethylenetriamine	8	UN2079	II	8	154	202	242	1 L	30 L	A	40
N,N-Diethylethylenediamine	8	UN2685	II	8, 3	None	202	243	1 L	30 L	A	.....
Diethylgold bromide	Forbiddn										
Diethylthiophos-phonyl chloride ..	8	UN2751	II	8	None	212	240	15 kg	50 kg	D	12, 40
Diethylzinc	4.2	UN1366	I	4.2, 4.3	None	181	244	Forbiddn	Forbiddn	D	18
<i>Difluorochloroethanes, see 1-chloro-1,1-difluoroethanes.</i>											
1,1-Difluoroethane or Refrigerant gas R 152a.	2.1	UN1030	.....	2.1	306	304	314, 315.	Forbiddn	150 kg	B	40
1,1-Difluoroethylene or Refrigerant gas R 1132a.	2.1	UN1959	.....	2.1	306	304	None ...	Forbiddn	150 kg	E	40
Difluoromethane or Refrigerant gas R 32.	2.1	UN3252	.....	2.1	306	302	314, 315.	Forbiddn	150 kg	D	40
Difluorophosphoric acid, anhydrous.	8	UN1768	II	8	None ...	202	242	1 L	30 L	A	40
2,3-Dihydropran	3	UN2376	II	3	150	202	242	5 L	60 L	B	.....
1,8-Dihydroxy-2,4,5,7-tetraaminoanthraquinone (chrysaminic acid).	Forbiddn										
Dilcoacetylene	Forbiddn										
Disobutyl ketone	3	UN1157	III	3	150	203	242	60 L	220 L	A	.....
Disobutylamine	3	UN2361	III	3, 8	150	203	242	5 L	60 L	A	.....
Disobutylene, isomeric compounds.	3	UN2050	II	3	150	202	242	5 L	60 L	B	.....
Disooctyl acid phosphate	8	UN1902	III	8	154	203	241	5 L	60 L	A	.....
Disopropyl ether	3	UN1159	II	3	150	202	242	5 L	60 L	E	40
Disopropylamine	3	UN1158	II	3, 8	None ...	202	243	1 L	5 L	B	.....
Disopropylbenzene hydroperoxide, with more than 72 percent in solution.	Forbiddn										
Diketene, stabilized	6.1	UN2521	I	6.1, 3	None ...	227	244	Forbiddn	Forbiddn	D	40, 49
1,2-Dimethoxyethane	3	UN2522	II	3	150	202	242	5 L	60 L	B	.....
1,1-Dimethoxyethane	3	UN2377	II	3	150	202	242	5 L	60 L	B	.....
Dimethyl carbonate	3	UN1161	II	3	150	202	242	5 L	60 L	B	.....
Dimethyl chlorothiophosphate, see Dimethyl thiophosphoryl chloride.	.....									
2,5-Dimethyl-2,5-dihydroperoxy hexane, with more than 82 percent with water.	Forbiddn										

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
(1)	Dimethyl disulfide	3	UN2381	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Dimethyl ether		UN1033											306	314, 315.	Forbidden	150 kg	B	40
	Dimethyl-N-propylamine	3	UN2266	II	3, 8	IB2, T7, TP2, TP13	None	202	243	1 L	5 L	B	40
	Dimethyl sulfate	6.1	UN1595	I	6.1, 8	2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Dimethyl sulfide	3	UN1164	II	3	IB1, T7, TP2	None	202	242	5 L	60 L	E	40
	Dimethyl thiophosphoryl chloride	6.1	UN2267	II	6.1, 8	IB2, T7, TP2	None	202	243	1 L	30 L	B	25
	Dimethylamine, anhydrous	2.1	UN1032	.....	2.1	T50	None	304	314, 315.	Forbidden	150 kg	D	40
	Dimethylamine solution	3	UN1160	II	3, 8	IB2, T7, TP1	None	202	243	1 L	5 L	B	.....
	2-Dimethylaminoacetone	3	UN2378	II	3, 6.1	IB2, T7, TP1	None	202	243	1 L	60 L	A	26, 40
	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	None	202	243	5 L	60 L	D	25
	2-Dimethylaminoethyl methacrylate	6.1	UN2522	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	B	40
N,N-Dimethylaniline	6.1	UN2253	II	6.1	IB1, T7, TP2	None	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	None	202	243	1 L	5 L	B	.....
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	8	UN2264	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	40	
Dimethyldichlorosilane	3	UN1162	II	3, 8	B77, IB2, T7, TP2, TP13	None	202	243	Forbidden	Forbidden	B	40	
Dimethyldiethoxysilane	3	UN2380	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
Dimethyldioxanes	3	UN2707	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
N,N-Dimethylformamide .....	.....	.....	.....	.....	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
N,N-Dimethylformamide .....	.....	.....	.....	.....	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	.....
Dimethylhexane dihydroperoxide (dty)	Forbidden	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dimethylhydrazine, symmetrical	6.1	UN2382	I	6.1, 3	2, A7, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40	

Dimethylhydrazine, unsymmetrical.	6.1	UN1163	I	6.1, 3, 8.	2, B7, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 38, 40, 100
2,2-Dimethylpropane	2.1	UN2044		2.1		306	304	314, 315.	Forbidden	Forbidden	E	40
Dimethylzinc	4.2	UN1370	I	4.2, 4.3.	B11, B16, T21, TP2, TP7	None	181	244	Forbidden	Forbidden	D	18
Dinitro-o-cresol, solid	6.1	UN1598	II	6.1	IB8, IP2, IP4, T7, TP2	None	212	242	25 kg	100 kg	A	
Dinitro-o-cresol, solution	6.1	UN1598	II	6.1	IB2, IP2, IP4, T7, TP2	None	202	243	5 L	60 L	A	
1,3-Dinitro-5,5-dimethylhydantoin.	Forbidden											
Dinitro-7,8-dimethylglycoluril (dry).	Forbidden											
1,3-Dinitro-4,5-dinitrosobenzene	Forbidden											
1,4-Dinitro-1,1,4,4-tetramethylolbutanetetranitrate (dry).	Forbidden											
2,4-Dinitro-1,3,5-trimethylbenzene.	6.1	UN1596	II	6.1	IB8, IP2, IP4, T7, TP2	None	212	242	25 kg	100 kg	A	91
Dinitroanilines	6.1	UN1597	II	6.1	11, IB2, T7, TP2	None	202	243	5 L	60 L	A	91
Dinitrobenzenes, liquid	6.1	UN1597	II	6.1	11, IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	91
Dinitrobenzenes, solid	6.1	UN1597	II	6.1								
Dinitrochlorobenzene, see Chlorodinitrobenzene.	Forbidden											
1,2-Dinitroethane	Forbidden											
1,1-Dinitroethane (dry)	2.3	UN1067		2.3, 5.1, 8.	1, B7, B14, B45, B46, B61, B66, B67, B77, T50, TP21	None	336	314	Forbidden	Forbidden	D	40, 89, 90
Dinitrogen tetroxide	2.3											
Dinitroglucuril or Dingu	1.1D	UN0489	II	1.1D		None	62	None	Forbidden	Forbidden	10	
Dinitromethane	Forbidden											
Dinitrophenol, dry or wetted with less than 15 percent water, by mass.	1.1D	UN0076	II	1.1D, 6.1.		None	62	None	Forbidden	Forbidden	10	5E
Dinitrophenol solutions	6.1	UN1599	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A	36
Dinitrophenol, wetted with not less than 15 percent water, by mass.	4.1	UN1320	I	4.1, 6.1.	IB3, T4, TP1	None	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, alkali metals, wetted with 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

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							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)
	<i>Dinitropropylene glycol</i>	Forbidden											
	<i>Dinitrosorcinol, dry or wetted with less than 15 percent water, by mass.</i>	1.1D	UN0078	II	1.1D		None	62	None	Forbidden	Forbidden	10	5E
	<i>2,4-Dinitrosorcinol (heavy metal salts of) (dry).</i>	Forbidden											
	<i>4,6-Dinitrosorcinol (heavy metal salts of) (dry).</i>	Forbidden											
	<i>Dinitrosorcinol, wetted with not less than 15 percent water, by mass.</i>	4.1	UN1322	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36
	<i>3,5-Dinitrosalicylic acid (lead salt) (dry).</i>	Forbidden											
	<i>Dinitrosobenzene</i>	1.3C	UN0406	II	1.3C		None	62	None	Forbidden	Forbidden	10	
	<i>Dinitrosobenzylamine and salts of (dry).</i>	Forbidden											
	<i>2,2-Dinitrosilbene</i>	Forbidden											
	<i>Dinitrotoluenes, liquid</i>	6.1	UN2038	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A	
	<i>Dinitrotoluenes, molten</i>	6.1	UN1600	II	6.1	T7, TP3	None	202	243	Forbidden	Forbidden	C	
	<i>Dinitrotoluenes, solid</i>	6.1	UN2038	II	6.1	IB8, IP2, IP4, T7, TP2	None	212	242	25 kg	100 kg	A	
	<i>1,9-Dinitroxy pentamethylene-2,4,6,8-tetramine (dry).</i>	Forbidden											
	<i>Dioxane</i>	3	UN1165	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Dioxolane</i>	3	UN1166	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	<i>Dipentene</i>	3	UN2052	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Diphenylamine chloroarsine</i>	6.1	UN1698	I	6.1	A8, B14, B32, N33, N34, T14, TP2, TP13, TP27	None	201	None	Forbidden	Forbidden	D	40
	<i>Diphenylchloroarsine, liquid</i>	6.1	UN1699	I	6.1	A8, B14, B32, IB7, IP1, N33, N34	None	201	243	Forbidden	30 L	D	40
	<i>Diphenylchloroarsine, solid</i>	6.1	UN1699	I	6.1	A8, B14, B32, IB7, IP1, N33, N34	None	211	242	Forbidden	15 kg	D	40
	<i>Diphenyldichlorosilane</i>	8	UN1769	II	8	A7, B2, IB2, N34, T7, TP2, TP13	None	202	242	Forbidden	30 L	C	40
	<i>Diphenylmethyl bromide</i>	8	UN1770	II	8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	D	40

	1.1D	UN0401	II	1.1D ..		None ...	62	None ...	Forbidden	Forbidden	10	.....
Dipicryl sulfide, dry or wetted with less than 10 percent water, by mass.	4.1	UN2852	I	4.1	A2, N41	None ...	211	None ...	Forbidden	0.5 kg	D	28
Dipicryl sulfide, wetted with not less than 10 percent water, by mass.	Forbidden											
Dipicrylamine, see Hexanitrodiphenylamine.												
Dipropionyl peroxide, with more than 26 percent in solution.	3	UN2384	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Dipropyl ether	3	UN2710	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Dipropyl ketone	3	UN2383	II	3, 8	IB2, T7, TP1	None ...	202	243	1 L	5 L	B	
Dipropylamine	8	UN1903	I	8	A7, B10, T14, TP2, TP27	None ...	201	243	0.5 L	2.5 L	B	
Disinfectant, liquid, corrosive, n.o.s.	8	UN1903	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	B	
Disinfectants, liquid, corrosive n.o.s.												
Disinfectants, liquid, toxic, n.o.s.	6.1	UN3142	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
.....			I	6.1	A4, T14, TP2, TP27	None ...	201	243	1 L	30 L	A	40
.....			II	6.1	IB2, T11, TP2, TP27	None ...	202	243	5 L	60 L	A	40
.....			III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
Disinfectants, solid, toxic, n.o.s.	6.1	UN1601	II	6.1	IB8, IP2, IP4	None ...	212	242	25 kg	100 kg	A	40
Disodium trioxosulfate	8	UN3253	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	40
Dispersant gases, n.o.s. see Refrigerant gases, n.o.s.			III	8	IB8, IP3	154	213	240	25 kg	100 kg	A	
Divinyl ether, stabilized	3	UN1167	I	3	T11, TP2	None ...	201	243	1 L	30 L	E	40
Dodecyltrichlorosilane	8	UN1771	II	8	A7, B2, B6, IB2, NG4, T7, TP2, TP13	None ...	202	242	Forbidden	30 L	C	40
Dry ice, see Carbon dioxide, solid.												
Dyes, liquid, corrosive, n.o.s. or Dye intermediates, liquid, corrosive, n.o.s.	8	UN2801	I	8	11, B10, T14, TP2, TP27	None ...	201	243	0.5 L	2.5 L	A	
.....			II	8	11, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	A	
.....			III	8	11, IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	II	6.1	IB2	None ...	202	243	5 L	60 L	A	
.....			III	6.1	IB3	153	203	241	60 L	220 L	A	
Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.	8	UN3147	I	8	IB7, IP1	None ...	211	242	1 kg	25 kg	A	
.....			II	8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
G	Dyes, solid, toxic, n.o.s. or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	III 1	8 6.1	IB8, IP3 A5, IB7, IP1, T14, TP2, TP27	154 None	213 211	240 242	25 kg 5 kg	100 kg 50 kg	A A	
	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 substances, liquid, n.o.s.												
	Environmentally hazardous substances, solid, n.o.s.												
+	Epibromohydrin	6.1	UN2558	I	6.1, 3	T14, TP2, TP13	None	201	243	Forbidden	Forbidden	D	40
	Epichlorohydrin	6.1	UN2023	II	6.1, 3	IB2, T7, TP2, TP13	None	202	243	5 L	60 L A	A	40
G	1,2-Epoxy-3-ethoxypropane	3	UN2752	III 3	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Esters, n.o.s.	3	UN3272	III 3	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
				III 3	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age											
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other										
+	Ethyl hydroperoxide	Forbidden	UN2385	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....									
	Ethyl isobutyrate		UN2481										None	226	244	Forbidden	D	40					
	Ethyl isocyanate		None										226	244	Forbidden	D	40						
D	Ethyl lactate	Forbidden	UN1192	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....									
	Ethyl mercaptan		UN2363										None	201	243	Forbidden	E	95, 102					
	Ethyl methacrylate, stabilized		UN2277										150	202	242	5 L	60 L	B	.....			
	Ethyl methyl ether		UN1039										None	201	314, 315	Forbidden	B	40					
	Ethyl methyl ketone or Methyl ethyl ketone		UN1193										150	202	242	5 L	60 L	B	.....			
	Ethyl nitrite solutions		UN1194										None	201	None	Forbidden	E	40, 105					
	Ethyl orthoformate		UN2524										150	203	242	60 L	220 L	A	.....			
	Ethyl oxalate		UN2525										153	203	241	60 L	220 L	A	.....			
	Ethyl perchlorate		Forbidden									
	Ethyl phosphonothioic dichloride, anhydrous		NA2927										6.1	6.1, 8	227	244	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, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	18										
	Ethyl phosphorodichloridate		NA2927										None	227	244	Forbidden	D	40					
D	Ethyl propionate	Forbidden	UN1195	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....									
	Ethyl propyl ether		UN2615										150	202	242	5 L	60 L	E	.....			
	Ethyl silicate, see Tetraethyl silicate	
	Ethylacetylene, stabilized		UN2452										2.1	2.1	304	314, 315	Forbidden	B	40				
Ethylamine	UN1036	2.1	2.1	321	314, 315	Forbidden	D	40															

	3	UN2270	II	3, 8	IB2, T7, TP1	None	202	243	1 L	5 L	B	40
Ethylamine, aqueous solution with not less than 50 percent but not more than 70 percent ethylamine.												
N-Ethylaniline	6.1	UN2272	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
2-Ethylaniline	6.1	UN2273	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Ethylbenzene	3	UN1175	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
N-Ethylbenzyloluidines liquid	6.1	UN2753	III	6.1	IB3, T7, TP1	153	203	241	60 L	220 L	A	
N-Ethylbenzyloluidines solid	6.1	UN2753	III	6.1	IB8, IP3, T7, TP1	153	213	240	100 kg	200 kg	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	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethylchloroarsine	6.1	UN1892	I	6.1	2, B9, B14, B32, B74, 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, T10, TP2, TP7, TP13	None	201	244	Forbidden	1 L	D	21, 28, 40, 49, 100
Ethylene	2.1	UN1962		2.1		306	304	302	Forbidden	150 kg	E	40
Ethylene, acetylene and propylene in mixture, refrigerated liquid with at least 71.5 percent ethylene with not more than 22.5 percent acetylene and not more than 6 percent propylene.	2.1	UN3138		2.1	T75, TP5	None	304	314, 315	Forbidden	Forbidden	D	40
Ethylene chlorohydrin	6.1	UN1135	I	6.1, 3	2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Ethylene diamine diperchlorate	Forbidden											
Ethylene dibromide	6.1	UN1605	I	6.1	2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibromide, liquid mixtures.												
Ethylene dichloride	3	UN1184	II	3, 6.1	IB2, T7, TP1	None	202	243	1 L	60 L	B	40
Ethylene glycol diethyl ether	3	UN1153	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	A	
Ethylene glycol diethyl ether	3	UN1153	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethylene glycol dinitrate	Forbidden											
Ethylene glycol monoethyl ether acetate.	3	UN1171	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethylene glycol monoethyl ether ether.	3	UN1172	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethylene glycol monomethyl ether.	3	UN1188	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 descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
(1)	Ethylene glycol monomethyl ether acetate.	3	UN1189	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Ethylene oxide and carbon dioxide mixture with more than 87 percent ethylene oxide.	2.3	UN3300		2.3, 2.1.	4	None	304	314, 315.	Forbidden	Forbidden	D	40
	Ethylene oxide and carbon dioxide mixtures with more than 9 percent but not more than 87 percent ethylene oxide.	2.1	UN1041		2.1	T50	306	304	314, 315.	Forbidden	25 kg	B	40
	Ethylene oxide and carbon dioxide mixtures with not more than 9 percent ethylene oxide.	2.2	UN1952		2.2		306	304	314, 315.	75 kg	150 kg	A	
	Ethylene oxide and chlorotetrafluoroethane mixture with not more than 8.8 percent ethylene oxide.	2.2	UN3297		2.2	T50	306	304	314, 315.	75 kg	150 kg	A	
	Ethylene oxide and dichlorodifluoromethane mixture, with not more than 12.5 percent ethylene oxide.	2.2	UN3070		2.2	T50	306	304	314, 315.	75 kg	150 kg	A	
	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, T50, TP20	None	323	323	Forbidden	25 kg	D	40
	Ethylene, refrigerated liquid (cryogenic liquid).	2.1	UN1038		2.1	T75, TP5	None	316	318, 319.	Forbidden	Forbidden	D	40
	Ethylenediamine	8	UN1604	II	8, 3	IB2, T7, TP2	154	202	243	1 L	30 L	A	40

UN number	Proper shipping name	Class	Division	Subdivision	Quantity	Special provisions	Other	Additional	Notes
6.1 UN1185	Ethyleneimine, stabilized	I	6.1, 3	1, B9, B14, B30, B72, B77, N25, N32, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	40
6.1 UN2748	Ethylhexaldehyde, see Octyl aldehydes etc. 2-Ethylhexyl chloroformate	II	6.1, 8	IB2, T7, TP2, TP13	None	202	243	30 L A	12, 13, 21, 25, 40, 100, 40
3 UN2276 8 UN2435	2-Ethylhexylamine Ethylphenyldichlorosilane	III II	3, 8 8	B1, IB3, T4, TP1 A7, IB2, IB2, N34, T7, TP2, TP13	150 None	203 202	242 242	60 L A 30 L C	
3 UN2386 6.1 UN2754 3 UN1196	1-Ethylpiperidine N-Ethyltrouidines Ethyltrichlorosilane	II II II	3, 8 6.1 3, 8	IB2, T7, TP1 IB2, T7, TP2 A7, IB1, N34, T7, TP2, TP13	None None None	202 202 202	243 243 243	5 L B 60 L A 5 L B	
	<i>Etiologic agent, see Infectious substances, etc.</i>								
	<i>Explosive articles, see Articles, explosive, n.o.s. etc.</i>								
1.1D UN0081 1.1D UN0082 1.5D UN0331	Explosive, blasting, type A Explosive, blasting, type B Explosive, blasting, type B or Agent blasting, Type B.	II II II	1.1D 1.1D 1.5D	105, 106	None None None	62 62 62	None None None	Forbidden Forbidden Forbidden	21E
1.1D UN0083 1.1D UN0084 1.1D UN0241 1.5D UN0332	Explosive, blasting, type C Explosive, blasting, type D Explosive, blasting, type E Explosive, blasting, type E or Agent blasting, Type E.	II II II II	1.1D 1.1D 1.1D 1.5D	123 105, 106	None None None None	62 62 62 62	None None None None	Forbidden Forbidden Forbidden Forbidden	22E 19E
	<i>Explosive, forbidden. See §173.54</i>								
	<i>Explosive substances, see Substances, explosive, n.o.s. etc.</i>								
	<i>Explosives, slurry, see Explosive, blasting, type E.</i>								
	<i>Explosives, water gels, see Explosive, blasting, type E.</i>								
3 UN1169	Extracts, aromatic, liquid	II	3	149, IB2, T4, TP1, TP8	150	202	242	60 L B	
3 UN1197	Extracts, flavoring, liquid	III II	3 3	B1, IB3, T2, TP1 149, IB2, T4, TP1, TP8	150 150	203 202	242 242	220 L A 60 L B	
	<i>Fabric with animal or vegetable oil, see Fibers or fabrics, etc.</i>								
6.1 UN1606 6.1 UN1607 8 UN1173	Ferric arsenate Ferric arsenite Ferric chloride, anhydrous	II II III	6.1 6.1 8	IB8, IP2, IP4 IB8, IP2, IP4 IB8, IP3	None None 154	212 212 213	242 242 240	100 kg A 100 kg A 100 kg A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
(1)	Ferric chloride, solution	8	UN2582	III	8	B15, IB3, T4, TP1	154	203	241	5 L	60 L	A	.....
	Ferric nitrate	5.1	UN1466	III	5.1	A1, A29, IB8, IP3	152	213	240	25 kg	100 kg	A	.....
	Ferrocenium	4.1	UN1323	II	4.1	59, A19, IB8, IP2, IP4	151	212	240	15 kg	50 kg	A	.....
	Ferrosilicon, with 30 percent or more but less than 50 percent silicon	4.3	UN1408	III	4.3, 6.1.	A1, A19, IB8, IP4	151	213	240	25 kg	100 kg	A	13, 40, 85, 103
D	Ferrous arsenate	6.1	UN1608	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
D	Ferrous chloride, solid	8	NA1759	II	8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	A	.....
	Ferrous chloride, solution	8	NA1760	II	8	B3, IB2, T11, TP2, TP7	154	202	242	1 L	30 L	B	40
	Ferrous metal borings or Ferrous metal shavings or Ferrous metal turnings or Ferrous metal cuttings in a form liable to self-heating	4.2	UN2793	III	4.2	A1, A19, IB8, IP3, IP6	None	213	241	25 kg	100 kg	A	.....
	Fertilizer ammoniating solution with free ammonia	2.2	UN1043	.....	2.2	.....	306	304	314, 315.	Forbidden	150 kg	E	40
A, I, W	Fibers, animal or Fibers, vegetable burnt, wet or damp	4.2	UN1372	III	4.2	.....	151	213	240	Forbidden	Forbidden	A	.....
A W	Fibers or Fabrics, animal or vegetable or Synthetic, n.o.s. with animal or vegetable oil	4.2	UN1373	III	4.2	137, IB8, IP3	None	213	241	Forbidden	Forbidden	A	.....
	Fibers or Fabrics impregnated with weakly nitrated nitrocellulose, n.o.s.	4.1	UN1353	III	4.1	A1, IB8, IP3	None	213	240	25 kg	100 kg	D	.....
I, W	Fibers, vegetable, dry	4.1	UN3360	III	4.1	137	151	213	240	No limit	No limit	A	.....
	Films, nitrocellulose base, from which gelatine has been removed; film scrap, see Celluloid scrap .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Films, nitrocellulose base, gelatine coated (except scrap)	4.1	UN1324	III	4.1	.....	None	183	None	25 kg	100 kg	D	91
	Fire extinguisher charges, corrosive liquid	8	UN1774	II	8	N41	154	202	None	1 L	30 L	A	.....
	Fire extinguisher charges, explosive, see Cartridges, power device .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Fire extinguishers containing compressed or liquefied gas.	2.2	UN1044	.....	2.2	18, 110	309	309	None	75 kg	150 kg	A	.....
Firelighters, solid with flammable liquid.	4.1	UN2623	III	4.1	A1, A19	None	213	None	25 kg	100 kg	A	.....
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	Forbidden	75 kg	06	.....
Fireworks	1.4S	UN0337	II	1.4S	108	None	62	None	25 kg	100 kg	05	.....
First-aid kits	9	UN3316	.....	9	15	161	161	None	10 kg	10 kg	A	88, 122, 128
Fish meal, stabilized or Fish scrap, stabilized.	9	UN2216	III	.....	155, IB8	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	None	212	241	15 kg	50 kg	B	88, 122, 128
Fissile radioactive materials, see Radioactive material, fissile, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flammable compressed gas, see Compressed or Liquefied gas, flammable, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flammable compressed gas (small receptacles not fitted with a dispersion device, not refillable), see Receptacles, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flammable gas in lighters, see Lighters or lighter refills, cigaretters, containing flammable gas.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
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
Flammable liquids, corrosive, n.o.s.	3	UN2924	II	3, 6.1, 8	IB2, T11, TP2, TP13, TP27 T14, TP2	None	202	243	1 L	5 L	B	21, 40, 100
.....	.....	.....	I	3, 8	.....	None	201	243	0.5 L	2.5 L	E	40
.....	.....	.....	II	3, 8	IB2, T11, TP2, TP27	None	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
Flammable liquids, n.o.s.	3	UN1993	I	3	T11, TP1, TP27 IB2, T7, TP1, TP8, TP28	150	201	243	1 L	30 L	E	.....
.....	.....	.....	II	3	.....	150	202	242	5 L	60 L	B	.....
.....	.....	.....	III	3	B1, B52, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	.....
Flammable liquids, toxic, n.o.s.	3	UN1992	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40
.....	.....	.....	II	3, 6.1	IB2, T7, TP2, TP13	None	202	243	1 L	60 L	B	40

W

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym- bols	(2) Hazardous materials descrip- tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (\$172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
							(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
							150	202	242	5 L	60 L	B	
							150	203	242	60 L	220 L	A	
D	Fuel Oil (No. 1, 2, 4, 5, or 6)	3	NA 1993		3	144, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Fuel system components (in- cluding fuel control units (FCU), carburetors, fuel lines, fuel pumps) see Dangerous Goods in Apparatus or Dan- gerous Goods in Machinery. Fulminate of mercury (dry)</i>												
	<i>Fulminate of mercury, wet, see Mercury fulminate, etc.</i>	Forbidden											
	<i>Fulminating gold</i>	Forbidden											
	<i>Fulminating mercury</i>	Forbidden											
	<i>Fulminating platinum</i>	Forbidden											
	<i>Fulminating silver</i>	Forbidden											
	<i>Fulminic acid</i>	Forbidden											
	<i>Fumaryl chloride</i>	8	UN1780		8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	8, 40
	<i>Fumigated lading, see §§172.302(g), 173.9 and 176.76(h).</i>												
	<i>Fumigated transport vehicle or freight container see 173.9.</i>												
	<i>Furandehydes</i>	6.1	UN1199		6.1, 3	IB2, T7, TP2	None	202	243	5 L	60 L	A	
	<i>Furan</i>	3	UN2389		3	T12, TP2, TP13	None	201	243	1 L	30 L	E	40
	<i>Furfuryl alcohol</i>	6.1	UN2874		6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	26, 74
	<i>Furfurylamine</i>	3	UN2526		3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
	<i>Fuse, detonating, metal clad, see Cord, detonating, metal clad.</i>												
	<i>Fuse, detonating, mild effect, metal clad, see Cord, deto- nating, mild effect, metal clad.</i>												
	<i>Fuse, igniter tubular metal clad</i>	1.4G	UN0103		1.4G		None	62	None	Forbidden	75 kg	06	
	<i>Fuse, non-detonating, instanta- neous or quickmatch.</i>	1.3G	UN0101		1.3G		None	62	None	Forbidden	Forbidden	07	

D	Fuse, safety	1.4S	UN0105	II	1.4S	None	62	None	25 kg	100 kg	05	
	Fuse (railway or highway)	4.1	NA1325	II	4.1	None	184	None	15 kg	50 kg	B	
	Fusel oil	3	UN1201	III	3	150	202	242	5 L	60 L	B	
	Fuses, tracer, see Tracers for ammunition					150	203	242	60 L	220 L	A	
	Fuses, combination, percussion and time, see Fuses, detonating (UN0257, UN0367); Fuses, igniting (UN0317, UN0368)											
	Fuses, detonating	1.1B	UN0106	II	1.1B	None	62	None	Forbidden	Forbidden	11	
	Fuses, detonating	1.2B	UN0107	II	1.2B	None	62	None	Forbidden	Forbidden	11	
	Fuses, detonating	1.4B	UN0257	II	1.4B	116	62	None	Forbidden	Forbidden	06	
	Fuses, detonating	1.4S	UN0367	II	1.4S	116	62	None	25 kg	100 kg	05	
	Fuses, detonating, with protective features	1.1D	UN0408	II	1.1D	None	62	None	Forbidden	Forbidden	07	
	Fuses, detonating, with protective features	1.2D	UN0409	II	1.2D	None	62	None	Forbidden	Forbidden	07	
	Fuses, detonating, with protective features	1.4D	UN0410	II	1.4D	None	62	None	Forbidden	75 kg	06	
	Fuses, igniting	1.3G	UN0316	II	1.3G	None	62	None	Forbidden	Forbidden	07	
	Fuses, igniting	1.4G	UN0317	II	1.4G	None	62	None	Forbidden	75 kg	06	
	Fuses, igniting	1.4S	UN0368	II	1.4S	None	62	None	25 kg	100 kg	05	
	Galactan trinitrate	Forbidden										
	Gallium	8	UN2803	III	8	None	162	240	20 kg	20 kg	B	48
	Gas cartridges, (flammable) without a release device, non-refillable	2.1	UN2037		2.1	306	304	None	1 kg	15 kg	B	40
	Gas generator assemblies (air-craft), containing a non-flammable non-toxic gas and a propellant cartridge	2.2			2.2	None	335	None	75 kg	150 kg	A	
D	Gas identification set	2.3	NA9035	III	2.3	None	194	None	Forbidden	Forbidden	D	
	Gas oil	3	UN1202		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	318	Forbidden	Forbidden	D	40
G	Gas, refrigerated liquid, n.o.s. (cryogenic liquid)	2.2	UN3158		2.2	T75, TP5	316	318	50 kg	500 kg	D	
G	Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid)	2.2	UN3311		2.2,	T75, TP5	316	318	Forbidden	Forbidden	D	
	Gas sample, non-pressurized, flammable, n.o.s., not refrigerated liquid	2.1	UN3167		2.1	306	302	None	1 L	5 L	D	
	Gas sample, nonpressurized, toxic, flammable, n.o.s., not refrigerated liquid	2.3	UN3168		2.3,	6	302	None	Forbidden	1 L	D	
					2.1.							

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Gas sample, nonpressurized, toxic, n.o.s., not refrigerated liquid.	2.3	UN3169		2.3	6	306	302, 304	None	Forbidden	1 L	D	
D	Gasohol gasoline mixed with ethyl alcohol, with not more than 20 percent alcohol.	3	NA1203	II	3	144	150	202	242	5 L	60 L	E	
	Gasoline	3	UN1203	II	3	139, B33, B1, T8	150	202	242	5 L	60 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	Forbidden	D	40
	Glycerol-1,3-dinitrate	Forbidden											
	Glycerol gluconate trinitrate	Forbidden											
	Glycerol lactate trinitrate	Forbidden											
	Glycerol alpha-monochlorohydrin	6.1	UN2699	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Glyceryl trinitrate, see Nitroglycerin, etc.												
	Glycidaldehyde	3	UN2622	II	3, 6.1	IB2, T7, TP1	150	202	243	1 L	60 L	A	40
	Grenades, hand or rifle, with bursting charge.	1.1D	UN0284	II	1.1D			62	None	Forbidden	Forbidden	07	
	Grenades, hand or rifle, with bursting charge.	1.2D	UN0285	II	1.2D			62	None	Forbidden	Forbidden	07	
	Grenades, hand or rifle, with bursting charge.	1.1F	UN0292	II	1.1F			62	None	Forbidden	Forbidden	08	
	Grenades, hand or rifle, with bursting charge.	1.2F	UN0293	II	1.2F			62	None	Forbidden	Forbidden	08	
	Grenades, illuminating, see Ammunition, illuminating, etc.												
	Grenades, practice, hand or rifle	1.4S	UN0110	II	1.4S			62	None	25 kg	100 kg	05	
	Grenades, practice, hand or rifle	1.3G	UN0318	II	1.3G			62	None	Forbidden	Forbidden	07	
	Grenades, practice, hand or rifle	1.2G	UN0372	II	1.2G			62	None	Forbidden	Forbidden	07	
	Grenades, practice hand or rifle	1.4G	UN0462	II	1.4G			62	None	Forbidden	Forbidden	06	
	Grenades, smoke, see Ammunition, smoke, etc.												
	Guandine nitrate	5.1	UN1467	III	5.1	A1, IB8, IP3	152	213	240	25 kg	100 kg	A	73

Guanyl nitrosaminoquanylidene hydrazine (dry).	Forbidden	UN0113	II	1.1A ...	111, 117	None ...	62	None ...	Forbidden	Forbidden	12	.....
Guanyl nitrosaminoquanylidene hydrazine, wetted with not less than 30 percent water, by mass.	Forbidden											.....
Guanyl nitrosaminoquanyltetrazene (dry).	1.1A	UN0114	II	1.1A ...	111, 117	None ...	62	None ...	Forbidden	Forbidden	12	.....
Guanyl nitrosaminoquanyltetrazene, wetted or Tetrazene, wetted with not less than 30 percent water or mixture of alcohol and water, by mass.												.....
Gunpowder, compressed or Gunpowder in pellets, see Black powder (UN 0028).												.....
Gunpowder, granular or as a meal, see Black powder (UN 0027).												.....
Hafnium powder, dry	4.2	UN2545	I II	4.2 4.2	A19, A20, IB6, IP2, N34	None ... None ...	211 212	242 241	Forbidden 15 kg	Forbidden 50 kg	D D	.....
Hafnium 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	UN1326	III II	4.2 4.1	IB8, IP3 A6, A19, A20, IB6, IP2, N34	None ... None ...	213 212	241 241	25 kg 15 kg	100 kg 50 kg	D E	.....
Hand signal device, see Signal devices, hand.												.....
Hazardous substances, liquid or solid, n.o.s., see Environmentally hazardous substances, etc.												.....
Hazardous waste, liquid, n.o.s. ...	9	NA3082	III	9	IB3, T2, TP1	155	203	241	No limit	No limit	A	.....
Hazardous waste, solid, n.o.s. ...	9	NA3077	III	9	B54, IB8, IP2	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	302	302, 314.	75 kg	150 kg	A	85
Helium-oxygen mixture, see Rare gases and oxygen mixtures.												.....
Helium, refrigerated liquid (cryogenic liquid).	2.2	UN1963		2.2	T75, TP5	320	316	318	50 kg	500 kg	B	.....

D G
D G

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
	Heptafluoropropane or Refrig- erant gas R 227.	2.2	UN3296		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	II	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	12, 40
	Hexachlorobenzene	6.1	UN2729	III	6.1	IB3, T4, IB3	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, B74, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Hexachlorophene	6.1	UN2875	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	
	Hexadecyltrichlorosilane	8	UN1781	II	8	A7, B2, B6, IB2, N34, T7, TP2	None	202	242	Forbidden	30 L	C	40
	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	40
	Hexaethyl tetraphosphate, liquid	6.1	UN1611	II	6.1	IB2, IP2, IP4, N76	None	202	243	5 L	60 L	E	40
	Hexaethyl tetraphosphate, solid	6.1	UN1611	II	6.1	IB8, IP2, IP4, N76	None	212	242	25 kg	100 kg	E	40
	Hexafluoroacetone	2.3	UN2420		2.3, 8	2, B9, B14	None	304	314, 315.	Forbidden	Forbidden	D	40
	Hexafluoroacetone hydrate	6.1	UN2552	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	B	40
	Hexafluoroethane, or Refrigerant gas R116.	2.2	UN2193		2.2		306	304	314, 315.	75 kg	150 A	A	
	Hexafluorophosphoric acid	8	UN1782	II	8	A6, A7, B2, IB2, N3, N34, T6, TP2, TP12	None	202	242	1 L	30 L	A	
	Hexafluoropropylene com- pressed 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	None	202	243	5 L	60 L	C	13, 40
	Hexamethylene triperoxide diamine (dry).	Forbidden											
	Hexamethylenediamine, solid	8	UN2280	III	8	IB8, IP3, T4, TP1	154	213	240	25 kg	100 kg	A	12

Hexamethylenediamine solution	8	UN1783	II	8	IB2, T7, TP2	None	202	242	1 L	30 L	A	.....
Hexamethylenimine	3	UN2493	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	.....
Hexamethylenetetramine	4.1	UN1328	III	3, 8	IB2, T7, TP1	None	202	243	1 L	5 L	B	.....
Hexamethyl benzene	Forbidden			4.1	A1, IB8, IP3	151	213	240	25 kg	100 kg	A	.....
Hexanitrate	3	UN1208	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	.....
Hexanes	Forbidden											.....
2,2',4,4',6,6'-dihydroxazobenzene (dry)	Forbidden											.....
Hexanitrooxy benzene	Forbidden											.....
N,N'-(hexanitrodiphenyl) ethylene ditramine (dry)	Forbidden											.....
Hexanitrodiphenyl urea	Forbidden											.....
2,2',3',4',4',6'-Hexanitrodiphenylamine	1.1D	UN0079	II	1.1D		None	62	None	Forbidden	Forbidden	10	.....
Hexanitrodiphenylamine or Dipicrylamine or Hexyl	Forbidden											.....
2,3',4',4',6,6'-Hexanitrodiphenylether	Forbidden											.....
Hexanitroethane	Forbidden											.....
Hexanitroxanilide	Forbidden											.....
Hexanitrosilbene	1.1D	UN0392	II	1.1D		None	62	None	Forbidden	Forbidden	10	.....
Hexanoic acid, see Corrosive liquids, n.o.s.												.....
Hexanols	3	UN2282	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
1-Hexene	3	UN2370	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	.....
Hexogen												.....
cyclotetramethylenetetranitramine mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.												.....
Hexogen and HMX mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.												.....
Hexogen and octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.												.....
Hexogen, see Cyclotrimethylenetrinitramine, etc.												.....
Hexolite, or Hexolol dry or wetted with less than 15 percent water, by mass.	1.1D	UN0118	II	1.1D		None	62	None	Forbidden	Forbidden	10	.....
Hexolonal	1.1D	UN0393	II	1.1D		None	62	None	Forbidden	Forbidden	10	.....
Hexyl, see Hexanitrodiphenylamine.												.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
(1)	Hexyltrichlorosilane	8	UN1784	II	8	A7, B2, B6, IB2, N34, T7, TP2, TP13	None	202	242	Forbidden	30 L	C	40
	<i>High explosives, see individual explosives entries.</i>												
	HM-X, <i>see</i> Cyclooctamethylene trinitramine, <i>etc.</i>												
	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, 125
	Hydrazine aqueous solution with more than 37% hydrazine, by mass.	8	UN2030	I	8, 6.1	151, B16, B53, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40
	Hydrazine, aqueous solution with not more than 37 percent hydrazine, by mass.	6.1	UN3293	III	6.1	B16, B53, IB2, T7, TP2, TP13	None	202	243	Forbidden	30 L	D	40
	Hydrazine azide	Forbidden				B16, B53, IB3, T4, TP1	154	203	241	5 L	60 L	D	40
	Hydrazine chlorate	Forbidden				IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Hydrazine dicarbonic acid diazide.	Forbidden											
	Hydrazine perchlorate	Forbidden											
	Hydrazine selenate	Forbidden											
	Hydroic acid, anhydrous, <i>see</i> Hydrogen iodide, anhydrous.												
	Hydroic acid	8	UN1787	II	8	A3, A6, B2, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	
	Hydrobromic acid, anhydrous, <i>see</i> Hydrogen bromide, anhydrous.					IB3, T4, TP1	154	203	241	5 L	60 L	C	8
	Hydrobromic acid, with more than 49 percent hydrobromic acid.	8	UN1788	II	8	B2, B15, IB2, N41, T7, TP2	154	202	242	Forbidden	Forbidden	C	
	.....					IB3, T4, TP1	154	203	241	Forbidden	Forbidden	C	8

Hydrobromic acid, with not more than 49 percent hydrobromic acid.	8	UN1788	II	8	A3, A6, B2, B15, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	
Hydrocarbon gas mixture, compressed, n.o.s.	2.1	UN1964	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	8
Hydrocarbon gas mixture, liquefied, n.o.s.	2.1	UN1965		2.1		306	302	314, 315	Forbidden	150 kg	E	40
Hydrocarbons, liquid, n.o.s.	3	UN3295		2.1	T50	306	304	314, 315	Forbidden	150 kg	E	40
Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous.			I	3	144, T11, TP1, TP8, TP28	150	201	243	1 L	30 L	E	
Hydrochloric acid			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	8	UN1789	II	8	A3, A6, B3, B15, IB2, N41, T8, TP2, TP12	154	202	242	1 L	30 L	C	
			III	8	IB3, T4, TP1, TP12	154	203	241	5 L	60 L	C	8
Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc.			I	6.1	2, B61, B65, B77, B82, T20, TP2, TP13	None	195	244	Forbidden	Forbidden	D	40
Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide.	6.1	UN1613										
Hydrocyanic acid, aqueous solutions with less than 5 percent hydrogen cyanide.	6.1	NA1613	II	6.1	IB1, T14, TP2, TP13, TP27	None	195	243	Forbidden	5 L	D	40
Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc.												
Hydrocyanic acid (prussic), unstabilized.	Forbidden											
Hydrofluoric acid and Sulfuric acid mixtures.	8	UN1786	I	8, 6.1	A6, A7, B15, B23, N5, N34, T10, TP2, TP12, TP13	None	201	243	Forbidden	2.5 L	D	40
Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhydrous.												
Hydrofluoric acid, with more than 60 percent strength.	8	UN1790	I	8, 6.1	A6, A7, B4, B15, B23, N5, N34, T10, TP2, TP12, TP13	None	201	243	0.5 L	2.5 L	D	12, 40
			II	8, 6.1	A6, A7, B15, IB2, N5, N34, T8, TP2, TP12	None	202	243	1 L	30 L	D	12, 40

D

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
(1)	<i>Hydrofluoroboric acid, see Fluoroboric acid.</i> <i>Hydrofluorosilicic acid, see Fluorosilicic acid.</i> Hydrogen and Methane mix- tures, compressed.	2.1	UN2034		2.1		306	302	302, 314, 315.	Forbidden	150 kg	E	40
	Hydrogen bromide, anhydrous ...	2.3	UN1048		2.3, 8	3, B14	None	304	314, 315.	Forbidden	25 kg	D	40
	Hydrogen chloride, anhydrous ...	2.3	UN1050		2.3, 8	3	None	304	None	Forbidden	Forbidden	D	40
	Hydrogen chloride, refrigerated liquid.	2.3	UN2186		2.3, 8	3, B6	None	None	314, 315.	Forbidden	Forbidden	B	40
	Hydrogen, compressed	2.1	UN1049		2.1		306	302	302, 314.	Forbidden	150 kg	E	40, 57
	Hydrogen cyanide, solution in al- cohol with not more than 45 percent hydrogen cyanide.	6.1	UN3294	I	6.1, 3	2, B9, B14, B32, B74, 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, B71, B77, T10, TP2	None	163	243	Forbidden	Forbidden	D	40
	Hydrogen iodide, anhydrous	2.3	UN2197		2.3	3, B14	None	304	314, 315.	Forbidden	Forbidden	D	40
	<i>Hydrogen iodide solution, see Hydroiodic acid, solution.</i> Hydrogen peroxide and peroxy- acetic acid mixtures, stabilized with acids, water and not more than 5 percent peroxy- acetic acid.	5.1	UN3149	II	5.1, 8	145, A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24	None	202	243	1 L	5 L	D	25, 66, 75, 106

Hydrogen peroxide, aqueous solutions with more than 40 percent but not more than 60 percent hydrogen peroxide (stabilized as necessary).	5.1	UN2014	II	5.1, 8	12, A3, A6, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	Forbidden	Forbidden	D	25, 66, 75, 106
Hydrogen peroxide, aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen peroxide (stabilized as necessary).	5.1	UN2014	II	5.1, 8	A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	1 L	5 L	D	25, 66, 75, 106
Hydrogen peroxide, aqueous solutions, with not less than 8 percent but less than 20 percent hydrogen peroxide, (stabilized as necessary).	5.1	UN2984	III	5.1	A1, IB2, IP5, T4, TP1, TP6, TP24, TP37	152	203	241	2.5 L	30 L	B	25, 75, 106
Hydrogen peroxide stabilized or Hydrogen peroxide aqueous solutions, stabilized with more than 60 percent hydrogen peroxide.	5.1	UN2015	I	5.1, 8	12, A3, A6, B53, B80, B81, B85, T10, TP2, TP6, TP24, TP37	None	201	243	Forbidden	Forbidden	D	25, 66, 75, 106
Hydrogen, refrigerated liquid (cryogenic liquid).	2.1	UN1966		2.1	T75, TP5	None	316	318, 319	Forbidden	Forbidden	D	40
Hydrogen selenide, anhydrous ..	2.3	UN2202		2.3, 2.1.	1	None	192	245	Forbidden	Forbidden	D	40
Hydrogen sulfate, see Sulfuric acid.												
Hydrogen sulfide ..	2.3	UN1053		2.3	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
Hydrogen difluorides, n.o.s. solid	8	UN1740	II	8	IB5, IP2, IP4, N3, N34	None	212	240	15 kg	50 kg	A	25, 26, 40
			III	8	IB8, IP3, N3, N34	154	213	240	25 kg	100 kg	A	25, 26, 40
Hydrogen difluorides, n.o.s. solutions.	8	UN1740	II	8	IB2, N3, N34	None	202	242	1 L	30 L	A	25, 26, 40
			III	8	IB3, IP3, N3, N34	154	203	241	5 L	60 L	A	25, 26, 40
Hydroquinone ..	6.1	UN2662	III	6.1	IB8, IP3, T4, TP1	153	213	240	100 kg	200 kg	A	
Hydroxycoumaric acid, see Fluorosilicic acid.												
Hydroxyl amine iodide ..	Forbidden											
Hydroxylamine sulfate ..	8	UN2865	III	8	IB8, IP3	154	213	240	25 kg	100 kg	A	
Hypochlorite solutions ..	8	UN1791	II	8	A7, B2, B15, IB2, IP5, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26
			III	8	IB3, N34, T4, TP2, TP24	154	203	241	5 L	60 L	B	26

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
(1)	Hypochlorites, inorganic, n.o.s. . .	5.1	UN3212	II	5.1	IB8, IP2, IP4	152	212	240	5 kg	25 kg	D	48, 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		None	62	None	Forbidden	Forbidden	07	
	Igniters	1.2G	UN0314	III	1.2G		None	62	None	Forbidden	Forbidden	07	
	Igniters	1.3G	UN0315	II	1.3G		None	62	None	Forbidden	Forbidden	07	
	Igniters	1.4G	UN0325	II	1.4G		None	62	None	Forbidden	Forbidden	06	
	Igniters	1.4S	UN0454	II	1.4S		None	62	None	Forbidden	Forbidden	05	
	3,3'-Innodiopropylamine	8	UN2269	III	8	IB3, T4, TP2	154	203	241	25 kg	100 kg	A	
G	Infectious substances, affecting animals only.	6.2	UN2900		6.2	A81, A82	134	196	None	50 mL or 50 g	4 L or 4 kg	B	40
G	Infectious substances, affecting humans.	6.2	UN2814		6.2	A81, A82	134	196	None	50 mL or 50 g	4 L or 4 kg	B	40
	<i>Inflamable, see Flammable</i>												
	<i>Initiating explosives (dry)</i>	Forbidden											
	<i>Inositol hexanitrate (dry)</i>	Forbidden											
G	Insecticide gases, n.o.s.	2.2	UN1968		2.2		306	304	314, 315	75 kg	150 kg	A	
G	Insecticide gases, flammable, n.o.s..	2.1	UN3354		2.1	T50	306	304	314, 315	Forbidden	150 kg	D	40
G	Insecticide gases, toxic, flam- mable, n.o.s. <i>Inhalation haz- ard Zone A.</i>	2.3	UN3355		2.3, 2.1,	1	None	192	245	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, flam- mable, n.o.s. <i>Inhalation haz- ard Zone B.</i>	2.3	UN3355		2.3, 2.1,	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Insecticide gases, toxic, flam- mable, n.o.s. <i>Inhalation haz- ard Zone C.</i>	2.3	UN3355		2.3, 2.1,	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	
G	Insecticide gases, toxic, flam- mable, n.o.s. <i>Inhalation haz- ard Zone D.</i>	2.3	UN3355		2.3, 2.1,	4	None	302, 305	314, 315	Forbidden	Forbidden	D	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
G	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	40
	Isobutyronitrile	3	UN2284	II	3, 6.1	IB2, T7, TP2, TP13	None	202	243	1 L	60 L	E	40
G	Isobutryl chloride	3	UN2395	II	3, 8	IB1, T7, TP2	None	202	243	1 L	5 L	C	40
	Isocyanates, flammable, toxic, n.o.s. or Isocyanate solutions, flammable, toxic, n.o.s. <i>flash point less than 23 degrees C.</i>	3	UN2478	II	3, 6.1	5, A3, A7, IB2, T11, TP2, TP13, TP27	None	202	243	1 L	60 L	D	40
G	Isocyanates, toxic, flammable, toxic, n.o.s. or Isocyanate solutions, toxic, flammable, n.o.s., <i>flash point not less than 23 degrees C but not more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN3080	II	6.1, 3	IB2, T11, TP2, TP13, TP27	None	202	243	5 L	60 L	B	25, 40, 48
G	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN2206	II	6.1	IB2, T11, TP2, TP13, TP27	None	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
	Isocyanatobenzotrifluorides	6.1	UN2285	II	6.1, 3	5, IB2, T7, TP2	None	202	243	5 L	60 L	D	25, 40, 48
G	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN2287	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN2288	II	3	IB2, T11, TP1	150	202	242	5 L	60 L	E	40
G	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN1216	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN1216	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
G	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN2371	I	3	T11, TP2	150	201	243	1 L	30 L	E	40
	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN2290	III	6.1	IB3, T4, TP2	153	203	241	60 L	220 L	B	40
G	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN2289	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN1218	I	3	T11, TP2	150	201	243	1 L	30 L	E	40
G	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN1219	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Isocyanates, toxic, n.o.s. or Isocyanate solutions, toxic, n.o.s., <i>flash point more than 61 degrees C and boiling point less than 300 degrees C.</i>	6.1	UN2403	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40

Isopropenylbenzene	3	UN2303	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Isopropyl acetate	3	UN1220	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
Isopropyl acid phosphate	8	UN1793	III	8	IB8, IP3, T4, TP1	154	213	240	25 kg	100 kg	A	.....
Isopropyl alcohol, <i>see</i> isopropanol.												40
Isopropyl butyrate	3	UN2405	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Isopropyl chloroacetate	3	UN2947	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Isopropyl chloroformate	6.1	UN2407	I	6.1, 3, 8,	2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	B	.....
Isopropyl 2-chloropropionate	3	UN2934	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Isopropyl isobutyrate	3	UN2406	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
Isopropyl isocyanate	3	UN2483	I	3, 6.1	1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
<i>Isopropyl mercaptan, see</i> Propanethiols.												.....
Isopropyl nitrate	3	UN1222	II	3	IB2, IP7	150	202	None	5 L	60 L	D	.....
<i>Isopropyl phosphoric acid, see</i> Isopropyl acid phosphate.												.....
Isopropyl propionate	3	UN2409	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
Isopropylamine	3	UN1221	I	3, 8	T11, TP2	None	201	243	0.5 L	2.5 L	E	.....
Isopropylbenzene	3	UN1918	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
<i>Isopropylcumyl hydroperoxide, with more than 72 percent in solution.</i>												.....
Isosorbide dinitrate mixture with not less than 60 percent lactose, mannose, starch or calcium hydrogen phosphate.	4.1	UN2907	II	4.1	IB6, IP2, N85	None	212	None	15 kg	50 kg	E	.....
Isosorbide-5-mononitrate	4.1	UN3251	III	4.1	66, IB8	151	213	240	Forbidden	Forbidden	D	12
Isothiocyanic acid	Forbidden											.....
<i>Jet fuel, see</i> Fuel aviation, turbine engine.												.....
Jet perforating guns, charged oil well, with detonator.	1.1D	NA0124	II	1.1D	55, 56	None	62	None	Forbidden	Forbidden	07	.....
Jet perforating guns, charged oil well, with detonator.	1.4D	NA0494	II	1.4D	55, 56	None	62	None	Forbidden	Forbidden	06	.....
Jet perforating guns, charged oil well, without detonator.	1.1D	UN0124	II	1.1D	55	None	62	None	Forbidden	Forbidden	07	.....
Jet perforating guns, charged oil well, without detonator.	1.4D	UN0494	II	1.4D	55, 114	None	62	None	Forbidden	300 kg	06	.....
<i>Jet perforators, see</i> Charges, shaped, etc.												.....
<i>Jet tappers, without detonator, see</i> Charges, shaped, etc.												.....
<i>Jet thrust igniters, for rocket motors or Jato, see</i> Igniters.												.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
	Jet thrust unit (Jatu), see Rocket motors.												
	Kerosene	3	UN1223	III	3	144, B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
G	Ketones, liquid, n.o.s.	3	UN1224	I	3	T11, TP1, TP8, TP27	None	201	243	1 L	30 L	E	
				II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
				III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
	Krypton, compressed	2.2	UN1056		2.2	T75, TP5	306	302	None	75 kg	150 kg	A	
	Krypton, refrigerated liquid (cryogenic liquid).	2.2	UN1970		2.2		320	None	None	50 kg	500 kg	B	
	Lacquer base or lacquer chips, nitrocellulose, dry, see Nitro-cellulose, etc. (UN 2557).												
	Lacquer base or lacquer chips, plastic, 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	153	213	240	100 kg	200 kg	A	
	Lead arsenates	6.1	UN1617	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	
	Lead arsenites	6.1	UN1618	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	
	Lead azide (dry)	Forbidden								Forbidden	Forbidden	12	
	Lead azide, wetted with not less than 20 percent water or mixture of alcohol and water, by mass.	1.1A	UN0129	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden		
	Lead compounds, soluble, n.o.s.	6.1	UN2291	III	6.1	138, IB8, IP3	153	213	240	100 kg	200 kg	A	
	Lead cyanide	6.1	UN1620	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	26
	Lead dioxide	5.1	UN1872	III	5.1	A1, IB8, IP3	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	None	212	242	5 kg	25 kg	A	
	Lead nitrosarcinate (dry)	Forbidden											

Lead perchlorate, solid	5.1	UN1470	II	5.1, 6.1.	IB8, IP2, T4, TP1	None	212	242	5 kg	25 kg	A	56, 58, 106
Lead perchlorate, solution	5.1	UN1470	II	5.1, 6.1.	IB1, T4, TP1	None	202	243	1 L	5 L	A	56, 58, 106
Lead peroxide, see Lead dioxide												
Lead phosphite, dibasic	4.1	UN2989	II	4.1	IB8, IP2, IP4	None	212	240	5 kg	25 kg	B	34
Lead picrate (dry)	Forbidden		III	4.1	IB8, IP3	151	213	240	15 kg	50 kg	B	34
Lead stannate (dry)	Forbidden											
Lead stannate, wetted or Lead trinitrosorcinat, wetted with not less than 20 percent water or mixture of alcohol and water, by mass.	1.1A	UN0130	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	12	
Lead sulfate with more than 3 percent free acid.	8	UN1794	II	8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	A	
Lead trinitrosorcinat, see Lead stannate, etc.												
Life-saving appliances, not self inflating containing dangerous goods as equipment.	9	UN3072		None	143	None	219	None	No limit	No limit	A	
Life-saving appliances, self inflating.	9	UN2990		None		None	219	None	No limit	No limit	A	
Lighter replacement cartridges containing liquefied petroleum gases (and similar devices, each not exceeding 65 grams), see Lighters or lighter refills etc. containing flammable gas.												
Lighters, fuse	1.4S	UN0131	II	1.4S	N10	None	62	None	25 kg	100 kg	05	40
Lighters or lighter refills containing flammable gas.	2.1	UN1057		2.1		None	21, 308	None	1 kg	15 kg	B	
Lime, unslaked, see Calcium oxide.												
Liquefied gas, flammable, n.o.s.	2.1	UN3161		2.1	T50	306	304	314, 315.	Forbidden	150 kg	D	40
Liquefied gas, n.o.s.	2.2	UN3163		2.2	T50	306	304	314, 315.	75 kg	150 kg	A	
Liquefied gas, oxidizing, n.o.s.	2.2	UN3157		2.2, 5.1.		306	304	314, 315.	75 kg	150 kg	D	
Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A.	2.3	UN3308		2.3, 8	1	None	192	245	Forbidden	Forbidden	D	40
Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B.	2.3	UN3308		2.3, 8	2, B9, B14	None	304	314, 315.	Forbidden	Forbidden	D	40
Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C.	2.3	UN3308		2.3, 8	3, B14	None	304	314, 315.	Forbidden	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G I	Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN3308	.....	2.3, 8	4	None ...	304	314, 315.	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i>	2.3	UN3309	.....	2.3, 8, 2.1,	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, 8, 2.1,	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, 8, 2.1,	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, 8, 2.1,	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	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, 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	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	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

GI	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. Inhalation Hazard Zone B.	2.3	UN3310	.....	2.3, 5.1, 8.	2, B9, B14	None	304	314, 315.	Forbidden	Forbidden	D	40, 89, 90
GI	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. Inhalation Hazard Zone C.	2.3	UN3310	.....	2.3, 5.1, 8.	3, B14	None	304	314, 315.	Forbidden	Forbidden	D	40, 89, 90
GI	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. Inhalation Hazard Zone D.	2.3	UN3310	.....	2.3, 5.1, 8.	4	None	304	314, 315.	Forbidden	Forbidden	D	40, 89, 90
G	Liquefied gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone A.	2.3	UN3307	.....	2.3, 5.1.	1	None	192	245	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone B.	2.3	UN3307	.....	2.3, 5.1.	2, B9, B14	None	304	314, 315.	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone C.	2.3	UN3307	.....	2.3, 5.1.	3, B14	None	304	314, 315.	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone D.	2.3	UN3307	.....	2.3, 5.1.	4	None	304	314, 315.	Forbidden	Forbidden	D	40
	Liquefied gases, non-flammable charged with nitrogen, carbon dioxide or air.	2.2	UN1058	.....	2.2		306	304	None	75 kg	150 kg	A	.....
	Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s.												
	Liquefied natural gas, see Methane, etc. (UN 1972).												
	Liquefied petroleum gas see Petroleum gases, liquefied.												
	Lithium	4.3	UN1415	I	4.3	A7, A19, IB1, IP1, N45	None	211	244	Forbidden	15 kg	E	.....
	Lithium acetylide ethylene-diamine complex, see Water reactive solid etc.												
	Lithium alkyls	4.2	UN2445	I	4.2, 4.3.	B11, T21, TP2, TP7	None	181	244	Forbidden	Forbidden	D	.....
	Lithium aluminum hydride	4.3	UN1410	I	4.3	A19	None	211	242	Forbidden	15 kg	E	.....
	Lithium aluminum hydride, ethereal.	4.3	UN1411	I	4.3, 3	A2, A3, A11, N34	None	201	244	Forbidden	1 L	D	40
	Lithium batteries, contained in equipment.	9	UN3091	II	9	29, A54, A55	185	185	None	5 kg	35kg	A	.....
	Lithium batteries packed with equipment.	9	UN3091	II	9	29, A54, A55	185	185	None	5 kg gross	35 kg gross	A	.....
	Lithium battery	9	UN3090	II	9	29, A54, A55	185	185	None	5 kg gross	35 kg gross	A	.....
	Lithium borohydride	4.3	UN1413	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	.....
	Lithium ferrosilicon	4.3	UN2830	II	4.3	A19, IB7, IP2	151	212	241	Forbidden	15 kg	E	40, 85, 103
	Lithium hydride	4.3	UN1414	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
(1)	Lithium hydride, fused solid	4.3	UN2805	II	4.3	A8, A19, A20, IB4	151	212	241	15 kg	50 kg	E	.....
	Lithium hydroxide	8	UN2680	II	8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	A	.....
	Lithium hydroxide, solution	8	UN2679	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	.....
	Lithium hypochlorite, dry with more than 39% available chlorine (6.8% available oxygen) or Lithium hypochlorite mix-tures, dry with more than 39% available chlorine (6.8% avail-able oxygen).	5.1	UN1471	III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A	96
	<i>Lithium in cartridges, see Lith-ium.</i>	.....	.....	.....	5.1	A9, IB8, IP2, IP4, N34	152	212	240	5 kg	25 kg	A	48, 56, 58, 69, 106, 116
	Lithium nitrate	5.1	UN2722	III	5.1	A1, IB8, IP3	152	213	240	25 kg	100 kg	A	.....
	Lithium nitride	4.3	UN2806	I	4.3	A19, IB4, IP1, N40	None	211	242	Forbidden	15 kg	E	.....
	Lithium peroxide	5.1	UN1472	II	5.1	A9, IB6, IP2, N34	152	212	None	5 kg	25 kg	A	13, 75, 106
	Lithium silicon	4.3	UN1417	II	4.3	A19, A20, IB7, IP2	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	None	212	242	25 kg	100 kg	A	.....
	LPG, see Petroleum gases, liq-uedified.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lye, see Sodium hydroxide, so-lutions.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Magnesium alkyls	4.2	UN3053	I	4.2,	B11, T21, TP2, TP7	None	181	244	Forbidden	Forbidden	D	18
	Magnesium aluminum phosphide.	4.3	UN1419	I	4.3,	A19, N34, N40	None	211	242	Forbidden	15 kg	E	40, 85
	Magnesium arsenate	6.1	UN1622	II	6.1,	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
	<i>Magnesium bisulfite solution, see Bisulfites, aqueous solu-tions, n.o.s.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Magnesium bromate	5.1	UN1473	II	5.1	A1, IB8, IP4	152	212	242	5 kg	25 kg	A	56, 58, 106

Magnesium chlorate	5.1	UN2723	II	5.1	IB8, IP2, IP4	152	212	242	5 kg	25 kg	A	56, 58, 106
Magnesium diamide	4.2	UN2004	II	4.2	A8, A19, A20, IB6	None	212	241	15 kg	50 kg	C	
Magnesium diphenyl	4.2	UN2005	I	4.2		None	187	244	Forbidden		C	
Magnesium dross, wet or hot	Forbidden											
Magnesium fluorosilicate	6.1	UN2853	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	26
Magnesium granules, coated, particle size not less than 149 microns.	4.3	UN2950	III	4.3	A1, A19, IB8, IP4	151	213	240	25 kg	100 kg	A	
Magnesium hydride	4.3	UN2010	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	39
Magnesium or Magnesium alloys with more than 50 percent magnesium in pellets, turnings or ribbons.	4.1	UN1869	III	4.1	A1, IB8, IP3	151	213	240	25 kg	100 kg	A	
Magnesium nitrate	5.1	UN1474	III	5.1	A1, IB8, IP3	152	213	240	25 kg	100 kg	A	56, 58, 106
Magnesium perchlorate	5.1	UN1475	II	5.1	IB6, IP2	152	212	242	5 kg	25 kg	A	13, 75, 106
Magnesium peroxide	5.1	UN1476	II	5.1	IB6, IP2	152	212	242	5 kg	25 kg	A	13, 75, 106
Magnesium phosphide	4.3	UN2011	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	40, 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
			II	4.3, 4.2	A19, B56, IB5, IP2	None	212	241	15 kg	50 kg	A	39
			III	4.3, 4.2	A19, B56, IB8, IP4	None	213	241	25 kg	100 kg	A	39
Magnesium scrap, see Magnesium, etc. (UN 1869).												
Magnesium silicide	4.3	UN2624	II	4.3	A19, A20, IB7, IP2	151	212	241	15 kg	50 kg	B	85, 103
Magnetized material, see § 173.21												
Maleic anhydride	8	UN2215	III	8	IB8, IP3, T4, TP1	154	213	240	25 kg	100 kg	A	
Malononitrile	6.1	UN2647	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	12
Mancozeb (manganese ethylenebisdithiocarbamate complex with zinc) see Maneb.												
Maneb or Maneb preparations with not less than 60 percent maneb.	4.2	UN2210	III	4.2, 4.3	57, A1, A19, IB6	None	213	242	25 kg	100 kg	A	34
Maneb stabilized or Maneb preparations, stabilized against self-heating.	4.3	UN2968	III	4.3	54, A1, A19, IB8, IP4	151	213	242	25 kg	100 kg	B	34
Manganese nitrate	5.1	UN2724	III	5.1	A1, IB8, IP3	152	213	240	25 kg	100 kg	A	
Mannitan tetranitrate	4.1	UN1330	III	4.1	A1, IB6	151	213	240	25 kg	100 kg	A	
Mannitol hexanitrate (dry)	Forbidden											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
A	Mercury bromides	6.1	UN1634	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A
	Mercury compounds, liquid, n.o.s..	6.1	UN2024	I	6.1		None	201	243	1 L	30 L	B	40
												
	Mercury compounds, solid, n.o.s..	6.1	UN2025	II	6.1	IB3	None	202	243	5 L	60 L	B	40
												
	Mercury compounds, solid, n.o.s..	6.1	UN2025	III	6.1	IB3, IP1	None	203	241	60 L	220 L	B	40
												
	Mercury contained in manufac- tured articles.							211	242	5 kg	50 kg	A
	Mercury cyanide	8	UN2809	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A
												
Mercury fulminate, wetted with water, or mixture of alcohol and water, by mass.	6.1	UN1636	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	.....
Mercury gluconate	6.1	UN1636	III	8		None	164	None	No limit	No limit	B	40, 97	
Mercury iodide, solid	6.1	UN1636	II	6.1	IB8, IP2, IP4, N74, N75	None	212	242	25 kg	100 kg	A	26	
Mercury iodide aqueous	6.1	UN1636	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	12	.....
Mercury iodide (iodide of ammoniobasic (iodide of Millon's base).	6.1	UN1636	II	6.1									
Mercury iodide, solution	6.1	UN1637	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
Mercury nitrate	6.1	UN1638	II	6.1	IB2, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
Mercury nucleate	6.1	UN1638	II	6.1									
Mercury oleate	6.1	UN1638	II	6.1									
Mercury oleate	6.1	UN1638	II	6.1									
Mercury oxide	6.1	UN1641	II	6.1									
Mercury oxycyanide	6.1	UN1641	II	6.1									
Mercury oxycyanide, des- en- sitized.	6.1	UN1642	II	6.1									
Mercury potassium iodide	6.1	UN1643	II	6.1									
Mercury salicylate	6.1	UN1644	II	6.1									
Mercury sulfates	6.1	UN1645	II	6.1									
Mercury thiocyanate	6.1	UN1646	II	6.1									
Mesityl oxide	3	UN1229	III	3									
Metal alkyl halides, water-reac- tive n.o.s., or Metal aryl halides, water-reactive, n.o.s..	4.2	UN3049	I	4.2, 4.3.		B1, IB3, T2, TP1, B9, B11, T21, TP2, TP7	None	203	242	60 L	220 L	A
.....							None	181	244	Forbidden	Forbidden	D

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

Sym-bols	Hazardous materials descrip-tions and proper shipping names	Hazard class or Di- vision	Identifi- cation Num- bers	PG	Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							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)
	Methacrylic Acid, stabilized	8	UN2531	II	8	IB3, T4, TP1, TP18, TP 30	154	202	242	1 L	30 L	C	40
+	Methacrylonitrile, stabilized	3	UN3079	I	3, 6.1	2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP13, TP45	None	227	244	Forbidden	Forbidden	D	12, 40, 48
	Methyl alcohol	3	UN2614	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Methane and hydrogen, mix- tures, see Hydrogen and methane, mixtures, etc.	2.1	UN1971	.....	2.1	.....	306	302	302	Forbidden	150 kg	E	40
	Methane, compressed or Natural gas, compressed (with high methane content).	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 meth- ane content.	6.1	UN3246	I	6.1, 8	2, B9, B14, B32, B74, T20, TP2, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
+ I	Methanol	3	UN1230	II	3, 6.1	IB2, T7, TP2	150	202	242	1 L	60 L	B	40
D	Methanol	3	UN1230	II	3	IB2, T7, TP2	150	202	242	1 L	60 L	B	40
	Methazoic acid	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	4-Methoxy-4-methylpentan-2- one.	3	UN2993	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, B72, 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 propa- diene mixtures, stabilized.	2.1	UN1060	.....	2.1	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 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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	3, B14, T50, T53	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 percent chloropicrin.												.....
Methyl bromide and ethylene dibromide mixtures, liquid.	6.1	UN1647	I	6.1	2, B9, B14, B32, B74, N65, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	C	40
Methyl bromoacetate	6.1	UN2643	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	D	40
2-Methylbutanal	3	UN3371	II	3	IB2, T4, TP1	150	202	242	5 L	30 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, 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	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	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.												.....
Methyl chloroform, see 1,1,1-Trichloroethane.												.....
Methyl chloroformate	6.1	UN1238	I	6.1, 3, 8.	1, B9, B14, B30, B72, 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, B72, T22, TP2, 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	153	203	241	60 L	220 L	A	.....
Methyl ethyl ether, see Ethyl methyl ether.												.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
(1)	Methyl ethyl ketone, <i>see</i> Ethyl methyl ketone. <i>Methyl ethyl ketone peroxide, in solution with more than 9 per- cent by mass active oxygen.</i> 2-Methyl-5-ethylpyridine Methyl fluoride, or Refrigerant gas R 41. Methyl formate 2-Methyl-2-neptanethiol	Forbidden 6.1 2.1 3 6.1	UN2300 UN2454 UN1243 UN3023	III I I	6.1 2.1 3 6.1, 3	IB3, T4, TP1 T11, TP2 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 B1, IB3, T2, TP1 IB2, T4, TP1	153 306 150 None	203 304 201 227	241 314, 315. 243 244	60 L Forbidden 1 L Forbidden	220 L 150 kg 30 L Forbidden	A E E D	40 40, 102 12, 40
	Methyl iodide	6.1	UN2644	I	6.1	2, B9, B14, B32, B74, 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 <i>Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxy- gen.</i> Methyl isocyanate	Forbidden 6.1	UN1245 UN2480	II I	3 6.1, 3	IB2, T4, TP1 1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44 IB2, T4, TP1	150 None	202 226	242 244	5 L Forbidden	60 L 60 L	B B	..... 26, 40
	Methyl isopropenyl ketone, sta- bilized. Methyl isothiocyanate	3 6.1	UN1246 UN2477	II I	3 6.1, 3	2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 IB2, T4, TP1	150 None	202 227	242 244	5 L Forbidden	60 L Forbidden	B A	..........
	Methyl isovalerate	3	UN2400	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	Methyl magnesium bromide, in ethyl ether. Methyl mercaptan	4.3 2.3	UN1928 UN1064	I	4, 3, 3 2, 3, 2, 1.	2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45 3, B7, B9, B14, T50	None None	201 304	243 314, 315.	Forbidden Forbidden	1 L 25 kg	D D	..... 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age		
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other	
D	Methylamine nitroform	Forbidden												
	Methylamine perchlorate (dry)	Forbidden	UN1233											
	Methylamyl acetate	3	UN2294	III	3		B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	N-Methylamine	6.1	UN2937	III	6.1		IB3, T4, TP1	153	203	241	60 L	220 L	A	
	alpha-Methylbenzyl alcohol	3	UN2937	III	6.1		IB3, T4, TP1	153	203	241	60 L	220 L	A	
	3-Methylbutan-2-one	3	UN2945	II	3		IB2, T4, TP1	150	202	242	5 L	60 L	B	
	N-Methylbutylamine	3	UN2945	II	3, 8		IB2, T7, TP1	None	202	243	5 L	5 L	B	
	Methylchlorosilane	2.3	UN2534		2, 3		2, A2, A3, A7, B9, B14, N34	None	226	314	Forbidden	Forbidden	D	
						2.1, 8.				315.				17, 40
	Methylcyclohexane	3	UN2296	II	3		B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methylcyclohexanols, flammable	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	III	3		IB2, T4, TP1	150	202	242	5 L	60 L	B	
Methylchloroarsine	6.1	NA1556	I	6.1		2, T20, TP4, TP12, TP13, TP38, TP45	None	192	None	Forbidden	Forbidden	D		
Methylchlorosilane	4.3	UN1242	I	4.3, 8, 3.		A2, A3, A7, B6, B77, N34, T10, TP2, TP7, TP13	None	201	243	Forbidden	1 L	D		
Methylene chloride, see Dichloromethane.													21, 28, 40, 49, 100	
Methylene glycol dinitrate	Forbidden													
2-Methyluran	3	UN2301	II	3		IB2, T4, TP1	150	202	242	5 L	60 L	E		
a-Methylglycoside tetranitrate	Forbidden													
a-Methylglycerol trinitrate	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, B72, B77, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	21, 40, 49, 100	
4-Methylmorpholine or n-methylmorpholine.	3	UN2535	II	3, 8		B6, IB2, T7, TP1	None	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, see Hexanes														
Methylphenylchlorosilane	8	UN2437	II	8		IB2, T7, TP2, TP13	154	202	242	1 L	30 L	C	40	
1-Methylpiperidine	3	UN2399	II	3, 8		IB2, T7, TP1	None	202	243	1 L	5 L	B		

+ G G G	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	46	
	Nitrates, inorganic, n.o.s.	5.1	UN1477	III	5.1	58, IB2, T4, TP1 IB8, IP2, IP4	152	203	241	2.5 L	30 L	B	46	
	Nitrates of diazonium compounds.	Forbidden		III	5.1	IB8, IP3	152	212	240	5 kg	25 kg	A	46	
	Nitrating acid mixtures, spent with more than 50 percent nitric acid.	8	UN1826	I	8, 5.1	T10, TP2, TP12, TP13	None	158	243	Forbidden	Forbidden	2.5 L	D	40, 66
	Nitrating acid mixtures spent with not more than 50 percent nitric acid.	8	UN1826	II	8	B2, IB2, T8, TP2, TP12	None	158	242	Forbidden	Forbidden	30 L	D	40
	Nitrating acid mixtures with more than 50 percent nitric acid.	8	UN1796	I	8, 5.1	T10, TP2, TP12, TP13	None	158	243	Forbidden	Forbidden	2.5 L	D	40, 66
	Nitrating acid mixtures with not more than 50 percent nitric acid.	8	UN1796	II	8	B2, IB2, T8, TP2, TP12, TP13	None	158	242	Forbidden	Forbidden	30 L	D	40
	Nitric acid other than red fuming, with more than 70 percent nitric acid.	8	UN2031	I	8, 5.1	B47, B53, T10, TP2, TP12, TP13	None	158	243	Forbidden	Forbidden	2.5 L	D	44, 66, 89, 90, 110, 111
	Nitric acid other than red fuming, with not more than 70 percent nitric acid.	8	UN2031	II	8	B2, B47, B53, IB2, T8, TP2, TP12	None	158	242	Forbidden	Forbidden	30 L	D	44, 66, 89, 90, 110, 111
	Nitric acid, red fuming	8	UN2032	I	8, 5.1, 6.1	2, B9, B32, B74, T20, TP2, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	Forbidden	D	40, 66, 74, 89, 90
	Nitric oxide, compressed	2.3	UN1660		2.3, 5.1, 8	1, B37, B46, B50, B60, B77	None	337	None	None	Forbidden	Forbidden	D	40, 89, 90
	Nitric oxide and dinitrogen tetroxide mixtures or Nitric oxide and nitrogen dioxide mixtures.	2.3	UN1975		2.3, 5.1, 8	1, B7, B9, B14, B45, B46, B61, B66, B67, B77	None	337	None	None	Forbidden	Forbidden	D	40, 89, 90
	Nitrites, flammable, toxic, n.o.s.	3	UN3273	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	Forbidden	30 L	E	40, 52
Nitrites, toxic, flammable, n.o.s.	6.1	UN3275	II	3, 6.1	IB2, T11, TP2, TP13, TP27	None	202	243	1 L	60 L	B	B	40, 52	
Nitrites, toxic, n.o.s.	6.1	UN3276	I	6.1, 3	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	B	40	
Nitrites, toxic, n.o.s.	6.1	UN3276	II	6.1, 3	IB2, T11, TP2, TP13, TP27	None	202	243	5 L	60 L	B	B	40	
Nitrites, toxic, n.o.s.	6.1	UN3276	I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	B	40	
Nitrites, toxic, n.o.s.	6.1	UN3276	II	6.1	IB2, T11, TP2, TP13, TP27	None	202	243	5 L	60 L	B	B	40	
Nitrites, toxic, n.o.s.	6.1	UN3276	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	A	40	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
(1)	Nitrites, inorganic, aqueous solu- tion, n.o.s.	5.1	UN3219	II	5.1	IB1, T4, TP1	152	202	242	1 L	5 L	B	46, 56, 58
	Nitrites, inorganic, n.o.s.	5.1	UN2627	III	5.1	IB2, T4, TP1	152	203	241	2.5 L	30 L	B	46, 56, 58
	3-Nitro-4-chlorobenzotrifluoride	6.1	UN2307	II	5.1	33, IB8, IP4	152	212	None	5 kg	25 kg	A	46, 56, 58
	6-Nitro-4-diazotoluene-3-sulfonic acid (dry)	Forbidden		II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A	40
	Nitro isobutane triol trinitrate	Forbidden											
	N-Nitro-N-methylglycolamide ni- trate	Forbidden											
	2-Nitro-2-methylpropanol nitrate	Forbidden											
	Nitro urea	1.1D	UN0147	II	1.1D		None	62	None	Forbidden	Forbidden	10	
	N-Nitroaniline	Forbidden		II	6.1		None	212	242	25 kg	100 kg	A	
	Nitroanilines (o-, m-, p-)	6.1	UN1661	II	6.1	IB8, IP2, IP4, T7, TP2	None	212	242	25 kg	100 kg	A	
	Nitroanisole	6.1	UN2730	III	6.1	IB8, IP3, T4, TP1	153	213	240	100 kg	200 kg	A	
	Nitrobenzene	6.1	UN1662	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A	40
	m-Nitrobenzene diazonium per- chlorate	Forbidden											
	Nitrobenzenesulfonic acid	8	UN2305	II	8	IB2	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	6.1	UN2306	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A	40
	Nitrobenzenes liquid	6.1	UN2732	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Nitrobenzenes solid	6.1	UN2732	III	6.1	IB8, IP3, T4, TP1	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 membrane filters, with not more than 12.6% ni- trogen, 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 plas- ticizing 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	II 3	IB2, T4, TP1, TP8	150	202	242	5 L	60 L	28
Nitrocellulose, unmodified or plasticized with less than 18 percent plasticizing substance, by mass.	1.1D	UN0341	III 3 II 1.1D	B1, IB3, T2, TP1	150 None	203 62	242 None	60 L Forbidden	220 L Forbidden	28E
Nitrocellulose, wetted with not less than 25 percent alcohol, by mass.	1.3C	UN0342	II 1.3C		None	62	None	Forbidden	Forbidden	
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	None	1 kg	15 kg	28
Nitrocellulose, with not more than 12.6 percent nitrogen, by dry mass, or Nitrocellulose mixture with pigment or Nitrocellulose mixture with plasticizer or Nitrocellulose mixture with pigment and plasticizer.	4.1	UN2557	II 4.1	44	151	212	None	1 kg	15 kg	28
Nitrocellulose with water with not less than 25 percent water, by mass.	4.1	UN2555	II 4.1		151	212	None	15 kg	50 kg	28
Nitrochlorobenzene, see Chloronitrobenzenes etc.										
Nitrocresols	6.1	UN2446	III 6.1	IB8, IP3	153	213	240	100 kg	200 kg	
Nitroethane	3	UN2842	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	
Nitroethyl nitrate	Forbidden									
Nitroethylene polymer	Forbidden									
Nitrogen, compressed	2.2	UN1066	2.2		306	302	314 315	75 kg	150 kg	
Nitrogen dioxide, see Dinitrogen tetroxide.										
Nitrogen fertilizer solution, see Fertilizer ammoniating solution etc.										
Nitrogen, mixtures with rare gases, see Rare gases and nitrogen mixtures.										
Nitrogen peroxide, see Dinitrogen tetroxide.										
Nitrogen, refrigerated liquid cryogenic liquid.	2.2	UN1977	2.2	T75, TP5	320	316	318	50 kg	500 kg	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	Nitrogen tetroxide and nitric oxide mixtures, see Nitric oxide and nitrogen tetroxide mixtures. Nitrogen tetroxide, see Dinitrogen tetroxide. Nitrogen trichloride Nitrogen trifluoride	Forbidden 2.2	UN2451		2.2, 5.1.		None	302	None	75 kg	150 kg	D	40
	Nitrogen triiodide Nitrogen triiodide monoamine Nitrogen trioxide	Forbidden 2.3	UN2421		2.3, 5.1.	1	None	336	245	Forbidden	Forbidden	D	40, 89, 90
	Nitroglycerin, desensitized with not less than 40 percent non-volatile water insoluble phlegmatizer, by mass. Nitroglycerin, liquid, not desensitized.	1.1D	UN0143	II	1.1D, 6.1.	125	None	62	None	Forbidden	Forbidden	13	21E
	Nitroglycerin mixture, desensitized, liquid, flammable, n.o.s. with not more than 30 percent nitroglycerin, by mass. Nitroglycerin mixture, desensitized, liquid, n.o.s. with not more than 30% nitroglycerin, by mass.	Forbidden 3	UN3343		3	129	None	214	None	Forbidden	Forbidden	D	
	Nitroglycerin mixture, desensitized, solid, n.o.s. with more than 2 percent but not more than 10 percent nitroglycerin, by mass.	3	UN3357	II	3	142	None	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	None	Forbidden	0.5 kg	E	
	Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 5 percent nitroglycerin.	3	UN3084	II	3	N8	None	202	None	Forbidden	5 L	E	

UN number	Proper shipping name	1.1D	II	1.1D ..	IB	None ...	62	None ...	Forbiddn	Forbiddn	10	21E
UN0144	Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 10 percent nitroglycerin.	1.1D	II	1.1D ..		None ...	62	None ...	Forbiddn	Forbiddn	10	21E
UN1204	Nitroglycerin solution in alcohol with not more than 1 percent nitroglycerin.	3	II	3	IB2, N34	None ...	202	None ...	5 L	60 L	B	
UN0282	Nitroguanidine nitrate	Forbiddn 1.1D	II	1.1D ..		None ...	62	None ...	Forbiddn	Forbiddn	10	
UN1336	Nitroguanidine or Picrite, dry or wetted with less than 20 percent water, by mass.	4.1	I	4.1	23, A8, A19, A20, N41	None ...	211	None ...	1 kg	15 kg	E	28
UN1798	1-Nitrohydantoin	Forbiddn 8	I	8	A3, B10, N41, T10, TP2, TP12, TP13	None ...	201	243	Forbiddn	2.5 L	D	40, 66, 74, 89, 90
UN1261	Nitromethane	3	II	3		150	202	None ...	Forbiddn	60 L	A	
UN2538	Nitrophenols (o-, m-, p-)	4.1	III	4.1	A1, IB8, IP3	151	213	240	25 kg	100 kg	A	
UN1663	m-Nitrophenyldinitro methane	6.1	III	6.1	IB8, IP3, T4, TP3	153	213	240	100 kg	200 kg	A	
UN3376	4-Nitrophenylhydrazine, with not less than 30% water, by mass.	4.1	I	4.1	162, A8, A19, A20, N41	None ...	211	None ...	Forbiddn	Forbiddn	E	36
UN2608	Nitropropanes	3	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
UN1369	p-Nitrosodimethylaniline	4.2	II	4.2	A19, A20, IB6, IP2, N34	None ...	212	241	15 kg	50 kg	D	34
UN0146	Nitrostarch, dry or wetted with less than 20 percent water, by mass.	1.1D	II	1.1D ..		None ...	62	None ...	Forbiddn	Forbiddn	10	
UN1337	Nitrostarch, wetted with not less than 20 percent water, by mass.	4.1	I	4.1	23, A8, A19, A20, N41	None ...	211	None ...	1 kg	15 kg	D	28
UN1069	Nitrosyl chloride	Forbiddn 2.3		2.3, 8	3, B14	None ...	304	314	Forbiddn	Forbiddn	D	40
UN2308	Nitrosylsulfuric acid	8	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2, TP12	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90
UN1664	Nitrotoluenes, liquid o-, m-, p-, ..	6.1	II	6.1	IB2, IP2, IP4, T7, TP2	None ...	202	243	5 L	60 L	A	
UN1664	Nitrotoluenes, solid m-, or p-	6.1	II	6.1	IB8, IP2, IP4, T7, TP2	None ...	212	242	25 kg	100 kg	A	
UN2660	Nitrotoluidines (mono)	6.1	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	
UN0490	Nitrotriazolone or NTO	1.1D	II	1.1D ..		None ...	62	None ...	Forbiddn	Forbiddn	10	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Nitrous oxide and carbon dioxide mixtures, see Carbon dioxide and nitrous oxide mixtures.												
	Nitrous oxide	2.2	UN1070				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, (o-, m-, p-)	6.1	UN1665	II	6.1	IB2, IP2, IP4, T7, TP2	None	202	243	5 L	60 L	A	
	Nitroxyl, 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, IB2, N34, T7, TP2, TP13	None	202	242	Forbidden	30 L	C	40
	Nordhausen acid, see Sulfuric acid, fuming etc.												
	2,5-Norbornadiene, stabilized, see Bicyclo 2.2.1 hepta-2,5-diene, stabilized.												
	Octadecyltrichlorosilane	8	UN1800	II	8	A7, B2, B6, IB2, N34, T7, TP2, TP13	None	202	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-Octadecene-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	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
D	Organic phosphate, mixed with compressed gas or Organic phosphate compound, mixed with compressed gas or Or- ganic phosphorus compound, mixed with compressed gas. Organic pigments, self-heating .. Organoarsenic compound, n.o.s.	2.3 4.2 6.1	NA1955 UN3313 UN3280	 II III I	2.3 4.2 6.1	3 IB8, IP4 IB8, IP3 5, IB7, IP1, T14, TP2, TP27 IB8, IP2, IP4, T11, TP2, TP27 IB8, IP3, T7, TP1, TP28 T14, TP2, TP13, TP27	None None None	334 212 213 211	None 241 241 242	None 15 kg 25 kg 5 kg	Forbidden 50 kg 100 kg 50 kg	Forbidden C C B	40
	Organochlorine pesticides liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2762	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Organochlorine pesticides, liq- uid, toxic.	6.1	UN2996	II	3, 6.1	IB2, T11, TP2, TP13, TP27 T14, TP2, TP13, TP27	None	202	243	1 L	60 L	B	40
	Organochlorine pesticides, liq- uid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN2995	III	6.1	IB2, T11, TP2, TP13, TP27 IB3, T7, TP2, TP28 T14, TP2, TP13, TP27	None	202 203	243 241	5 L 60 L	60 L 220 L	B A	40 40
	Organochlorine, pesticides, solid, toxic.	6.1	UN2761	I	6.1	IB7, IP1	None	211	242	5 kg	50 kg	A	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	None	202	243	5 L	60 L	B	40
				III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
				II	6.1	IB7, IP1	None	211	242	5 kg	50 kg	A	40
				III	6.1	IB8, IP2, IP4 IB8, IP3	None 153	212 213	242 240	25 kg 100 kg	100 kg 200 kg	A A	40 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
	Organotin compounds, liquid, n.o.s.	6.1	UN2788	I	6.1	A3, N33, N34, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
							None	202	243	5 L	60 L	A	40
	Organotin compounds, solid, n.o.s.	6.1	UN3146	I	6.1	A5, IB7, IP1	None	211	242	5 kg	50 kg	B	40
							None	212	242	25 kg	100 kg	A	40
	Organotin pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2787	I	3, 6.1	IB8, IP3, T14, TP2, TP13, TP27	None	213	240	100 kg	200 kg	A	40
							None	201	243	Forbidden	30 L	B	40
	Organotin pesticides, liquid, toxic.	6.1	UN3020	I	6.1	IB2, T11, TP2, TP13, TP27	None	202	243	1 L	60 L	B	40
							None	201	243	1 L	30 L	B	40
							None	202	243	5 L	60 L	B	40
							153	203	241	60 L	220 L	A	40
	Organotin pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3019	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
							None	202	243	5 L	60 L	B	40
							153	203	242	60 L	220 L	A	40
	Organotin pesticides, solid, toxic	6.1	UN2786	I	6.1	IB7, IP1	None	211	242	5 kg	50 kg	A	40
							None	212	242	25 kg	100 kg	A	40
							153	213	240	100 kg	200 kg	A	40
	Orthoironiline, see Nitroironilines etc.												

D G	Osmium tetroxide	6.1	UN2471	I	6.1	A8, IB7, IP1, N33, N34	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	155	213	240	No limit	No limit	A	.....
G	Oxidizing liquid, corrosive, n.o.s.	5.1	UN3098	I	5.1, 8		None	201	244	Forbidden	2.5 L	D	13, 56, 58, 69, 106
	.....			II	5.1, 8	IB1	None	202	243	1 L	5 L	B	34, 56, 58, 69, 106
	.....			III	5.1, 8	IB2	152	203	242	2.5 L	30 L	B	34, 56, 58, 69, 106
G	Oxidizing liquid, n.o.s.	5.1	UN3139	I	5.1	127, A2	None	201	243	Forbidden	2.5 L	D	56, 58, 69, 106
	.....			II	5.1	127, A2, IB2	152	202	242	1 L	5 L	B	56, 58, 69, 106
	.....			III	5.1	127, A2, IB2	152	203	241	2.5 L	30 L	B	56, 58, 69, 106
G	Oxidizing liquid, toxic, n.o.s.	5.1	UN3099	I	5.1, 6.1		None	201	244	Forbidden	2.5 L	D	56, 58, 69, 106
	.....			II	5.1, 6.1	IB1	None	202	243	1 L	5 L	B	56, 58, 69, 106
	.....			III	5.1, 6.1	IB2	152	203	242	2.5 L	30 L	B	56, 58, 69, 106
G	Oxidizing solid, corrosive, n.o.s.	5.1	UN3085	I	5.1, 8		None	211	242	1 kg	15 kg	D	13, 56, 58, 69, 106
	.....			II	5.1, 8	IB6, IP2	None	212	242	5 kg	25 kg	B	13, 34, 56, 58, 69, 106
	.....			III	5.1, 8	IB8, IP3	152	213	240	25 kg	100 kg	B	13, 34, 56, 58, 69, 106
G	Oxidizing solid, flammable, n.o.s.	5.1	UN3137	I	5.1, 4.1		None	214	214	Forbidden	Forbidden		.....
G	Oxidizing solid, n.o.s.	5.1	UN1479	I	5.1	IB6, IP1	None	211	242	1 kg	15 kg	D	56, 58, 69, 106
	.....			II	5.1	IB8, IP2, IP4	152	212	240	5 kg	25 kg	B	56, 58, 69, 106
	.....			III	5.1	IB8, IP3	152	213	240	25 kg	100 kg	B	56, 58, 69, 106
G	Oxidizing solid, self-heating, n.o.s.	5.1	UN3100	II	5.1, 4.2		None	214	214	Forbidden	Forbidden		.....
G	Oxidizing solid, toxic, n.o.s.	5.1	UN3087	I	5.1, 6.1		None	211	242	1 kg	15 kg	D	56, 58, 69, 106

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
(1)													
				II	5.1, 6.1	IB6, IP2	None	212	242	25 kg	5 kg	B	56, 58, 69, 95, 106
				III	5.1, 6.1	IB8, IP3	152	213	240	100 kg	25 kg	B	56, 58, 69, 95, 106
G	Oxidizing solid, water-reactive, n.o.s. Oxygen and carbon dioxide mix-tures, see Carbon dioxide and oxygen mixtures. Oxygen, compressed Oxygen difluoride, compressed	5.1	UN3121		5.1, 4.3		None	214	214	Forbidden	Forbidden		
					2.2, 5.1	A52	306	302	314, 315	75 kg	150 kg	A	
					2.3, 5.1, 8.	1	None	304	None	Forbidden	Forbidden	D	13, 40, 89, 90
				II	5.1	60, A51	None	212	None	Forbidden	Forbidden	D	56, 58, 69, 106
+	Oxygen generator, chemical (in-cluding when contained in as-sociated equipment, e.g., pas-senger service units (PSUs), portable breathing equipment (PBE), etc). Oxygen generator, chemical, spent. Oxygen, mixtures with rare gases, see Rare gases and oxygen mixtures. Oxygen, refrigerated liquid (cryo-genic liquid). Paint including paint, lacquer, enamel, stain, shellac solu-tions, varnish, polish, liquid filler, and liquid lacquer base.	9	NA3356	III	9	61	None	213	None	Forbidden	Forbidden	A	
					2.2, 5.1	T75, TP5, TP22	320	316	318	Forbidden	Forbidden	D	
				I	3	T11, TP1, TP8	150	201	243	1 L	30 L	E	
				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	
	Paint or Paint related material ...	8	UN3066	II	8	B2, IB2, T7, TP2	154	173	242	1 L	30 L	A	

Paint related material including paint thinning, drying, removing, or reducing compound.	3	UN1263	III	8	B52, IB3, T4, TP1 T11, TP1, TP8	154	173	241	5 L	60 L A	.....
Paper, unsaturated oil treated incompletely dried (including carbon paper).	4.2	UN1379	III	4.2	IB8, IP3	None	213	241	Forbidden	Forbidden A	.....
Parafomaldehyde	4.1	UN2213	III	4.1	A1, IB8, IP3	151	213	240	25 kg	100 kg A	.....
Paraldehyde	3	UN1264	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L A	.....
Paranitroaniline, see Nitroanilines etc.											
Parathion and compressed gas mixture.	2.3	NA1967		2.3	3	None	334	245	Forbidden	Forbidden E	40
Paris green, solid, see Copper acetoarsenite.											
PCB, see Polychlorinated biphenyls.											
Pentaborane	4.2	UN1380	I	4.2, 6.1	1	None	205	245	Forbidden	Forbidden D	.....
Pentachloroethane	6.1	UN1669	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L A	40
Pentachlorophenol	6.1	UN3155	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg A	.....
Pentaerythrite tetranitrate (dry)	Forbidden										
Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. with more than 10 percent but not more than 20 percent PETN, by mass.	4.1	UN3344	II	4.1	118, N85	None	214	None	Forbidden	Forbidden E	.....
Pentaerythritol tetranitrate or PETN, with not less than 7 percent wax by mass.	1.1D	UN0411	II	1.1D		None	62	None	Forbidden	Forbidden 10	.....
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	None	Forbidden	Forbidden 10	.....
Pentaerythritol tetranitrate, see Pentaerythrite tetranitrate, etc.											
Pentafluoroethane or Refrigerant gas R 125.	2.2	UN3220		2.2	T50	306	304	314, 315.	75 kg	150 kg A	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age		
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other	
G				II	6.1	IB2, T11, TP2, TP13, TP27	None	202	243	5 L	60 L	B	40	
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40	
		6.1	UN2588	I	6.1	IB7	None	211	242	5 kg	50 kg	A	40	
				II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	40	
				III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	40	
		PETN, see Pentaerythrite tetranitrate.												
		PETN/TNT, see Pentolite, etc.												
		Petrol, see Gasoline												
		Petroleum crude oil	3	UN1267	I	3	144, T11, TP1, TP8	None	201	243	1 L	30 L	E	
					II	3	144, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
				II	3	144, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Petroleum distillates, n.o.s. or Petroleum products, n.o.s.	3	UN1268	I	3	144, T11, TP1, TP8	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		
D	Petroleum gases, liquefied or Liquefied petroleum gas.	2.1	UN1075		2.1	T50	306	304	314, 315.	Forbidden	150 kg	E	40	
	Petroleum oil	3	NA1270	I	3	144, T11, TP1, TP9	None	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		
+	Phenacyl bromide	6.1	UN2645	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	B	40	
	Phenetidines	6.1	UN2311	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Phenol, molten	6.1	UN2312	II	6.1	B14, T7, TP3	None	202	243	Forbidden	Forbidden	B	40	
	Phenol, solid	6.1	UN1671	II	6.1	IB8, IP2, IP4, N78, T6, TP2	None	212	242	25 kg	100 kg	A		
	Phenol solutions	6.1	UN2821	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A		
	Phenolsulfonic acid, liquid	8	UN1803	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
				II	8	B2, IB2, N41, TP2	154	202	242	1 L	30 L	C	14	

Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic flash point less than 23 degrees C.	3	UN3346	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Phenoxyacetic acid derivative pesticide, liquid, toxic.	6.1	UN3348	II	3, 6.1	IB2, T11, TP2, TP13, TP27	None	202	243	1 L	60 L	B	40
Phenoxyacetic acid derivative pesticide, liquid, toxic.	6.1		I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Phenoxyacetic acid derivative pesticide, liquid, toxic.	6.1		II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3347	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
Phenoxyacetic acid derivative pesticide, solid, toxic.	6.1	UN3345	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Phenyl chloroformate	6.1	UN2746	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Phenyl isocyanate	6.1	UN2487	III	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
Phenyl mercaptan	6.1	UN2337	I	6.1	IB7, IP1	None	211	242	5 kg	50 kg	A	40
Phenyl phosphorus dichloride	8	UN2798	II	6.1	IB8, IP2, IP4	153	212	242	25 kg	100 kg	A	40
Phenyl phosphorus trichloride	8	UN2799	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	40
Phenyl urea pesticides, liquid, toxic.	6.1	UN3002	II	6.1, 8	IB2, T7, TP2, TP13	None	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
Phenylacetonitrile, liquid	6.1	UN2470	I	6.1, 3	2, B9, B14, B32, B74, B77, N33, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Phenylacetyl chloride	8	UN2577	I	6.1, 3	2, B9, B14, B32, B74, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	26, 40
Phenylcarbamine chloride	6.1	UN1672	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40
	6.1		II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40
	6.1		I	6.1	T14, TP2, TP27	None	201	243	1 L	30 L	B	40
	6.1		II	6.1	T7, TP2	None	202	243	5 L	60 L	B	40
	6.1		III	6.1	T4, TP1	153	203	241	60 L	220 L	A	40
	8		III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	26
	6.1		II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	40
	6.1		I	6.1	2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
+	<i>m</i> -Phenylene diaminedipchlorate (dry).	Forbidden	UN1673	III	6.1	IB8, IP3, T7, TP1	None	213	240	100 kg	200 kg	A
	Phenylenediamines (<i>o</i> -, <i>m</i> -, <i>p</i> -)												
	Phenyhydrazine												
	Phenylmercuric acetate												
	Phenylmercuric compounds, n.o.s..												
												
												
	Phenylmercuric hydroxide												
	Phenylmercuric nitrate												
	Phenyltrichlorosilane												
	Phosgene												
	9-Phosphabicyclononanes or Cyclooctadiene phosphines.												
	Phosphine												
	Phosphoric acid, liquid												
	Phosphoric acid, solid												
Phosphoric acid triethylenimine, see Tris-(1-aziridinyl)phosphine oxide, solution.													
Phosphoric anhydride, see Phosphorus pentoxide.													
Phosphorus acid													
Phosphorus, amorphous													
Phosphorus bromide, see Phosphorus tribromide.													
Phosphorus chloride, see Phosphorus trichloride.													
Phosphorus heptasulfide, free from yellow or white phosphorus.													

Phosphorus oxybromide	8	UN1939	II	8	B8, IB8, IP2, IP4, N41, N43, T7, TP2	None	212	240	Forbiddn	50 kg	C	12, 40
Phosphorus oxybromide, molten	8	UN2576	II	8	B2, B8, IB1, N41, N43, T7, TP3, TP13	None	202	242	Forbiddn	Forbiddn	C	40
Phosphorus oxychloride	8	UN1810	II	8, 6.1	2, A7, B9, B14, B32, B74, B77, N34, T20, TP2, TP38, TP45	None	227	244	Forbiddn	Forbiddn	C	40
Phosphorus pentabromide	8	UN2691	II	8	A7, IB8, IP2, IP4, N34	154	212	240	Forbiddn	50 kg	B	12, 40
Phosphorus pentachloride	8	UN1806	II	8	A7, IB8, IP2, IP4, N34	None	212	240	Forbiddn	50 kg	C	40
Phosphorus pentafluoride	2.3	UN2198		2.3, 8	2, B9, B14	None	302, 304, 315	314, 315	Forbiddn	Forbiddn	D	40
Phosphorus pentasulfide, free from yellow or white phosphorus.	4.3	UN1340	II	4.3, 4.1	A20, B59, IB4	151	212	242	15 kg	50 kg	B	74
Phosphorus pentoxide	8	UN1807	II	8	A7, IB8, IP2, IP4, N34	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	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	Forbiddn	30 L	C	40
Phosphorus trichloride	6.1	UN1809	I	6.1, 8	2, B9, B14, B15, B32, B74, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	C	40
Phosphorus trioxide	8	UN2578	III	8	IB8, IP3	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	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, yellow, in solution.	4.2	UN1381	I	4.2, 6.1	B9, B26, N34, T9, TP3, TP31	None	188	243	Forbiddn	Forbiddn	E	
Phosphorus white, molten	4.2	UN2447	I	4.2, 6.1	B9, B26, N34, T21, TP3, TP7, TP26	None	188	243	Forbiddn	Forbiddn	D	.....
Phosphorus (white or red) and a chlorate, mixtures of.	Forbiddn											
Phosphoryl chloride, see Phosphorus oxychloride.												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identi- fication Num- bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
(1)	Phthalic anhydride with more than .05 percent maleic anhy- dride.	8	UN2214	III	8	IB8, IP3, T4, TP3	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, T4, TP1, TP30	154	213	240	25 kg	100	A	12
	Piperidine	8	UN2401	I	8, 3	T10, TP2	None	201	243	0.5 L	2.5 L	B	
	Pivaloyl chloride see Trimethylacetyl chloride.												
	Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor.	9	UN3314	III	9	32, IB8, IP6	155	221	221	100 kg	200 kg	A	85, 87
	Plastic solvent, n.o.s., see Flam- mable 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.												
	Polychlorinated biphenyls, liquid	9	UN2315	II	9	9, 81, 140, IB3, T4, TP1	155	202	241	100 L	220 L	A	95
	Polychlorinated biphenyls, solid	9	UN2315	II	9	9, 81, 140, IB7	155	212	240	100 kg	200 kg	A	95
	Polyester resin kit	3	UN3269		3	40	152	225	None	5 kg	5 kg	B	
	Polyhalogenated biphenyls, liq- uid or Polyhalogenated terphenyls liquid.	9	UN3151	II	9	IB3	155	204	241	100 L	220 L	A	95

Polyhalogenated biphenyls, solid or terphenyls, solid.	9	UN3152	II	9	.....	IB8, IP2, IP4	155	204	241	100 kg	200 kg	A	95
Polymeric beads, expandable, evolving flammable vapor.	9	UN2211	III	9	.....	32, IB8, IP6, IP7	155	221	221	100kg	200kg	A	85, 87
Potassium	4.3	UN2257	I	4.3	.....	A19, A20, B27, IB1, IP1, N6, N34, T9, TP3, TP7, TP31	None	211	244	Forbidden	15 kg	D	.....
Potassium arsenate	6.1	UN1677	II	6.1	.....	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
Potassium arsenite	6.1	UN1678	II	6.1	.....	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
Potassium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.													
Potassium borohydride	4.3	UN1870	I	4.3	.....	A19, N40	None	211	242	Forbidden	15 kg	E	.....
Potassium bromate	5.1	UN1484	II	5.1	.....	IB8, IP4	152	212	242	5 kg	25 kg	A	56, 58, 106
Potassium carbonyl	Forbidden												
Potassium chlorate	5.1	UN1485	II	5.1	.....	A9, IB8, IP4, N34	152	212	242	5 kg	25 kg	A	56, 58, 106
Potassium chlorate, aqueous solution.	5.1	UN2427	II	5.1	.....	A2, IB2, T4, TP1	152	202	241	1 L	5 L	B	56, 58, 106
Potassium chlorate mixed with mineral oil, see Explosive, blasting, type C			III	5.1	.....	A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 106
Potassium cuprocyanide	6.1	UN1679	II	6.1	.....	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	26
Potassium cyanide	6.1	UN1680	I	6.1	.....	B69, B77, IB7, IP1, N74, N75, T14, TP2, TP13	None	211	242	5 kg	50 kg	B	52
Potassium dichloro isocyanurate or Potassium dichloro-s-triazinetriene, Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts etc.													
Potassium dithionite or Potassium hydrosulfite.	4.2	UN1929	II	4.2	.....	A8, A19, A20, IB6, IP2	None	212	241	15 kg	50 kg	E	13
Potassium fluoride	6.1	UN1812	III	6.1	.....	IB8, IP3, T4, TP1	153	213	240	100 kg	200 kg	A	26
Potassium fluoracetate	6.1	UN2628	I	6.1	.....	IB7, IP1	None	211	242	5 kg	50 kg	E	.....
Potassium fluoride hydrate, see Potassium hydroxide, solid, see Potassium hydrogen fluoride, see Potassium hydrogen difluoride.	6.1	UN2655	III	6.1	.....	IB8, IP3	153	213	240	100 kg	200 kg	A	26
Potassium hydrogen fluoride solution, see Corrosive liquid, n.o.s.													

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Potassium hydrogen sulfate	8	UN2509	II	8	A7, IB8, IP2, IP4, N34	154	212	240	15 kg	50 kg	A	.....
	Potassium hydrogendifluoride, solid.	8	UN1811	II	8, 6.1	IB8, IP2, IP4, N3, N34, T7, TP2	154	212	240	15 kg	50 kg	A	25, 26, 40
	Potassium hydrogendifluoride, solution.	8	UN1811	II	8, 6.1	IB8, IP2, IP4, N3, N34, T7, TP2	154	202	243	1 L	30 L	A	25, 26, 40
	Potassium hydrosulfite, see Potassium dithionite.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Potassium hydroxide, liquid, see Potassium hydroxide solution.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Potassium hydroxide, solid	8	UN1813	II	8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	A	.....
	Potassium hydroxide, solution	8	UN1814	III	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	.....
	Potassium hypochlorite, solution, see Hypochlorite solutions, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Potassium, metal alloys	4.3	UN1420	I	4.3	A19, A20, B27, IB4, IP1	None	211	244	Forbidden	15 kg	D	.....
	Potassium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Potassium metavanadate	6.1	UN2864	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	.....
	Potassium monoxide	8	UN2033	III	8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	A	.....
	Potassium nitrate	5.1	UN1486	III	5.1	A1, A29, IB8, IP3	152	213	240	25 kg	100 kg	A	.....
	Potassium nitrate and sodium nitrite mixtures.	5.1	UN1487	II	5.1	B78, IB8, IP4	152	212	240	5 kg	25 kg	A	56, 58
	Potassium nitrite	5.1	UN1488	II	5.1	IB8, IP4	152	212	242	5 kg	25 kg	A	56, 58
	Potassium perchlorate, solid	5.1	UN1489	II	5.1	IB6, IP2	152	212	242	5 kg	25 kg	A	106
	Potassium perchlorate, solution	5.1	UN1489	II	5.1	IB2, T4, TP1	152	202	242	1 L	5 L	A	56, 58, 106
	Potassium permanganate	5.1	UN1490	II	5.1	IB8, IP4	152	212	240	5 kg	25 kg	D	56, 58, 69, 106, 107
	Potassium peroxide	5.1	UN1491	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	B	13, 75, 106
	Potassium persulfate	5.1	UN1492	III	5.1	A1, A29, IB8, IP3	152	213	240	25 kg	100 kg	A	.....

Potassium phosphide	4.3	UN2012	I	4.3, 6.1.	A19, N40	None ...	211	None ...	Forbidden	15 kg	E	40, 85
Potassium selenate, see Selenates or Selenites.												
Potassium selenite, see Selenates or Selenites.												
Potassium sodium alloys	4.3	UN1422	I	4.3	A19, B27, IB4, IP1, N34, N40, T9, TP3, TP7, TP31	None ...	211	244	Forbidden	15 kg	D	
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	None ...	212	241	15 kg	50 kg	A	
Potassium sulfide, hydrated with not less than 30 percent water of crystallization.	8	UN1847	II	8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	A	26
Potassium superoxide	5.1	UN2466	I	5.1	A20, IB6, IP1	None ...	211	None ...	Forbidden	15 kg	B	13, 75, 106
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
Power device, explosive, see Cartridges, power device.												
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	75 kg	06	
Primers, small arms, see Primers, cap type.												
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	75 kg	06	
Primers, tubular	1.4S	UN0376	II	None		None ...	62	None ...	25 kg	100 kg	05	
Printing ink, flammable or Printing ink related material (including printing ink thinning or reducing compound, flammable).	3	UN1210	I	3	T11, TP1, TP8	150	173	243	1 L	30 L	E	
			II	3	149, IB2, T4, TP1, TP8	150	173	242	5 L	60 L	B	
			III	3	B1, IB3, T2, TP1	150	173	242	60 L	220 L	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age			
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other		
(1)	<i>Projectiles, illuminating, see Am-munition, illuminating, etc.</i> <i>Projectiles, inert with tracer</i> <i>Projectiles, inert, with tracer</i> <i>Projectiles, inert, with tracer</i> <i>Projectiles, with burster or expel-ling charge</i> <i>Projectiles, with burster or expel-ling charge</i> <i>Projectiles, with burster or expel-ling charge</i> <i>Projectiles, with burster or expel-ling charge</i> <i>Projectiles, with burster or expel-ling charge</i> <i>Projectiles, with burster or expel-ling charge</i> <i>Projectiles, with burster or expel-ling charge</i> <i>Projectiles, with burster or expel-ling charge</i> <i>Projectiles, with burster or expel-ling charge</i> <i>Projectiles, with bursting charge</i> <i>Projectiles, with bursting charge</i> <i>Projectiles, with bursting charge</i> <i>Projectiles, with bursting charge</i> <i>Projectiles, with bursting charge</i> <i>Propadiene, stabilized</i> .....	.....	UN0345	II	1.4S ..	.....	.....	.....	.....	.....	.....	.....	.....
		1.4S ..	UN0424	II	1.3G ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.3G ..	UN0425	II	1.4G ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.4G ..	UN0346	II	1.2D ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.2D ..	UN0347	II	1.4D ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.4D ..	UN0426	II	1.2F ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.2F ..	UN0427	II	1.4F ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.4F ..	UN0434	II	1.2G ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.2G ..	UN0435	II	1.4G ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.4G ..	UN0167	II	1.1F ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.1F ..	UN0168	II	1.1D ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.1D ..	UN0169	II	1.2D ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.2D ..	UN0324	II	1.2F ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.2F ..	UN0344	II	1.4D ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1.4D ..	UN200	.....	2.1 ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
		2.1 ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		<i>Propadiene mixed with methyl acetylene, see Methyl acetylene and propadiene mixtures, stabilized.</i> <i>Propane see also Petroleum gases, liquefied.</i> <i>Propanethiols</i>	2.1	UN1978	2.1 ..	19, T50	306	304	314, 315
		<i>n-Propanol or Propyl alcohol, normal.</i>	3	UN2402	II	3	IB2, T4, TP1, TP13	150	202	242
		<i>Propanethiols</i>	3	UN1274	II	3	B1, IB2, T4, TP1	150	202	242
		<i>Propellant, liquid</i>	1.3C	UN0495	III	3	B1, IB3, T2, TP1	150	203	242
		<i>Propellant, liquid</i>	1.1C	UN0497	II	1.3C ..	37	None	62	None
.....	<i>Propellant, solid</i>	1.1C	UN0498	II	1.1C ..	37	None	62	None	.....	.....	.....	.....
.....	<i>Propellant, solid</i>	1.3C	UN0499	II	1.1C ..	.....	None	62	None	.....	.....	.....	.....
.....	<i>Propellant, solid</i>	1.4C	UN0501	.....	1.4C ..	.....	None	62	None	.....	.....	.....	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age		
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other	
	Pyrethroid pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3351	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	243	1 L	30 L	B	40
	Pyrethroid pesticide, solid, toxic		UN3349	I	6.1	IB7, IP1	None	211	242	242	5 kg	50 kg	A	40
	Pyridine		UN1282	III	6.1	IB8, IP2, IP4	153	212	242	242	25 kg	100 kg	A	40
	Pyridine perchlorate	Forbidden		III	3	IB8, IP3	153	213	240	240	100 kg	200 kg	A	40
	Pyrophoric liquid, inorganic, n.o.s.	4.2	UN3194	I	4.2	IB2, T4, TP2	None	202	242	242	5 L	60 L	B	21, 100
	Pyrophoric liquids, organic, n.o.s.	4.2	UN2845	I	4.2	B11, T22, TP2, TP7	None	181	244	244	Forbidden	Forbidden	D	18
	Pyrophoric metals, n.o.s., or Pyrophoric alloys, n.o.s.	4.2	UN1383	I	4.2	B11	None	187	242	242	Forbidden	Forbidden	D	
	Pyrophoric organometallic compound, water-reactive, n.o.s.	4.2	UN3203	I	4.2, 4.3	T21, TP2, TP7	None	187	242	242	Forbidden	Forbidden	D	18
	Pyrophoric solid, inorganic, n.o.s.	4.2	UN3200	I	4.2		None	187	242	242	Forbidden	Forbidden	D	
	Pyrophoric solids, organic, n.o.s.	4.2	UN2846	I	4.2	B2, IB2, T8, TP2, TP12	None	187	242	242	Forbidden	Forbidden	D	
	Pyrosulfonyl chloride	8	UN1817	II	8		154	202	242	242	1 L	30 L	C	40
	Pyroxylin solution or solvent, see Nitrocellulose.													
	Pyrolicidine	3	UN1922	II	3, 8	IB2, T7, TP1	None	202	243	243	1 L	5 L	B	40
	Quebrachitol pentanitrate	Forbidden												
	Quicklime, see Calcium oxide													
	Quinoline	6.1	UN2656	III	6.1	IB3, T4, TP1	153	203	241	241	60 L	220 L	A	12
	R 12, see Dichlorodifluoromethane.													
	R 12B1, see Chlorodifluorobromomethane.													

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							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)
	Radioactive material, low specific activity (LSA-II) <i>non fissile or fissile excepted.</i>	7	UN3322		7	A56, T5, TP4, W7	421, 422, 428.	427	427			A	95, 129
	Radioactive material, surface contaminated objects (SCO-I or SCO-II) <i>non fissile or fissile excepted.</i>	7	UN2913		7	A56	421, 422, 428.	427	427			A	95
	Radioactive material, transported under special arrangement, <i>non fissile or fissile excepted.</i>	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 package, <i>fissile non-special form.</i>	7	UN3327		7	A56, W7, W8	453	417	417			A	95, 105, 131
	Radioactive material, Type A package <i>non-special form, non fissile or fissile excepted.</i>	7	UN2915		7	A56, W7, W8		415	415			A	95, 130
	Radioactive material, Type A package, special form <i>non fissile or fissile excepted.</i>	7	UN3332		7	A56, W7, W8		415, 476.	415, 476.			A	95
	Radioactive material, Type A package, special form, <i>fissile or fissile excepted.</i>	7	UN3333		7	A56, W7, W8	453	417	417			A	95, 105
	Radioactive material, Type A package, special form, fissile.	7	UN3329		7	A56	453	417	417			A	95, 105
	Radioactive material, Type B(M) package, <i>fissile or fissile excepted.</i>	7	UN2917		7	A56		416	416			A	95, 105
	Radioactive material, Type B(U) package, <i>fissile.</i>	7	UN3328		7	A56	453	417	417			A	95, 105
	Radioactive material, Type B(U) package <i>non fissile or fissile excepted.</i>	7	UN2916		7	A56		416	416			A	95, 105
	Radioactive material, uranium hexafluoride <i>non fissile or fissile excepted.</i>	7	UN2978		7, 8		423	420, 427.	420, 427.			A	95, 132

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Refrigerant gases, n.o.s.	2.2	UN1078		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Refrigerant gases, n.o.s. or Dis-persant gases, n.o.s..	2.1	NA1954		2.1	T50	306	304	314, 315	Forbidden	150 kg	D	40
	Refrigerating machines, con-taining flammable, non-toxic, liquefied gas.	2.1	UN3358		2.1		306	306	306	Forbidden	Forbidden	C	40
D	Refrigerating machines, con-taining non-flammable, non-toxic, liquefied or compressed gas or ammonia solution (UN2672).	2.2	UN2857		2.2	A53	306, 307	306	306, 307	450 kg	450 kg	A	
	Regulated medical waste	6.2	UN3291	II	6.2	A13	134, 197	197	197	No Limit	No Limit	A	40
E	Release devices, explosive	1.4S	UN0173	II	1.4S	B52, T11, TP1, TP8	None	62	None	25 kg	100 kg	05	
	Resin solution, flammable	3	UN1866	I	3		150	201	243	1 L	30 L	E	
				II	3	149, B52, IB2, T4, TP1, TP8	150	173	242	5 L	60 L	B	
F	Resorcinol	6.1	UN2876	III	6.1	B1, B52, IB3, T2, TP1	150	173	242	60 L	220 L	A	
	Rifle grenade, see Grenades, hand or rifle, etc.					IB8, IP3	153	213	240	100 kg	200 kg	A	
	Rifle powder, see Powder, smokeless (UN 0160).												
G	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	
H	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
I	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 ex-pelling charge.	1.3L	UN0250	II	1.3L	109	None	62	None	Forbidden	Forbidden	08	23E, 8E, 14E, 15E

UN number	UN description	1.2L	109	None	62	None	Forbiddn	Forbiddn	Forbiddn	8E, 14E, 15E
UN0322	Rocket motors with hypergolic liquids with or without an expelling charge.	II 1.2L		None	62	None	Forbiddn	Forbiddn	08	8E, 14E, 15E
UN0238	Rockets, line-throwing	II 1.2G		None	62	None	Forbiddn	Forbiddn	07	
UN0240	Rockets, line-throwing	II 1.3G		None	62	None	Forbiddn	Forbiddn 75 kg	07	
UN0453	Rockets, line-throwing	II 1.4G		None	62	None	Forbiddn	Forbiddn 75 kg	06	
UN0397	Rockets, liquid fueled with bursting charge.	II 1.1J		None	62	None	Forbiddn	Forbiddn	04	23E
UN0398	Rockets, liquid fueled with bursting charge.	II 1.2J		None	62	None	Forbiddn	Forbiddn	04	23E
UN0180	Rockets, with bursting charge	II 1.1F		None	62	None	Forbiddn	Forbiddn	08	
UN0181	Rockets, with bursting charge	II 1.1E		None	62	None	Forbiddn	Forbiddn	03	
UN0182	Rockets, with bursting charge	II 1.2E		None	62	None	Forbiddn	Forbiddn	03	
UN0295	Rockets, with bursting charge	II 1.2F		None	62	None	Forbiddn	Forbiddn	08	
UN0436	Rockets, with expelling charge	II 1.2C		None	62	None	Forbiddn	Forbiddn	03	
UN0437	Rockets, with expelling charge	II 1.3C		None	62	None	Forbiddn	Forbiddn	03	
UN0438	Rockets, with expelling charge	II 1.4C		None	62	None	Forbiddn	Forbiddn 75 kg	02	
UN0183	Rockets, with inert head	II 1.3C		None	62	None	Forbiddn	Forbiddn	03	
UN0502	Rockets, with inert head	II 1.2C		None	62	None	Forbiddn	Forbiddn	B	1E, 5E
UN1286	Rosin oil	III 3	B1, IB3, T2, TP1	150	202	242	Forbiddn	Forbiddn 5 L	B	
		III 3	IB8, IP2, IP4	151	212	240	Forbiddn	Forbiddn 220 L	A	
		II 4.1		151	212	240	Forbiddn	Forbiddn 50 kg	A	
UN1345	Rubber scrap or Rubber shoddy, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%.	III 3		150	202	242	Forbiddn	Forbiddn 5 L	B	
UN1287	Rubber solution	III 3	149, IB2, T4, TP1, TP8	150	202	242	Forbiddn	Forbiddn 60 L	B	
UN1423	Rubidium	I 4.3	B1, IB3, T2, TP1	150	203	242	Forbiddn	Forbiddn 220 L	A	
		I 4.3	22, A7, A19, IB1, IP1, N34, N40, N45	None	211	242	Forbiddn	Forbiddn 15 kg	D	
UN2678	Rubidium hydroxide	II 8	IB8, IP2, IP4, T7, TP2	154	212	240	Forbiddn	Forbiddn 50 kg	A	
UN2677	Rubidium hydroxide solution	II 8	B2, IB2, T7, TP2	154	202	242	Forbiddn	Forbiddn 1 L	A	
		III 8	IB3, T4, TP1	154	203	241	Forbiddn	Forbiddn 60 L	A	
UN0190	Safety fuse, see Fuse, safety Samples, explosive, other than initiating explosives.	II	113	None	62	None	Forbiddn	Forbiddn	14	12E
UN1386	Sand acid, see Fluorosilicic acid Seed cake, containing vegetable oil solvent extractions and expelled seeds, with not more than 10 percent of oil and when the amount of moisture is higher than 11 percent, with not more than 20 percent of oil and moisture combined.	III None	IB8, IP3, IP6, N7	None	213	241	Forbiddn	Forbiddn	A	13
UN1386	Seed cake with more than 1.5 percent oil and not more than 11 percent moisture.	III None	IB8, IP3, IP6, N7	None	213	241	Forbiddn	Forbiddn	E	13

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
I	Seed cake with not more than 1.5 percent oil and not more than 11 percent moisture.	4.2	UN2217	III	None	IB8, IP3, IP6, N7	None	213	241	Forbidden	Forbidden	A	13
	Selenates or Selenites	6.1	UN2630	I	6.1	IB7, IP1	None	211	242	5 kg	50 kg	E	
	Selenic acid	8	UN1905	I	8	IB7, IP1, N34	None	211	242	Forbidden	25 kg	A	
	Selenium compound, n.o.s.	6.1	UN3283	I	6.1	IB7, IP1, T14, TP2, TP27	None	211	242	5 kg	50 kg	B	
				II	6.1	IB8, IP2, IP4, T11, TP2, TP27	None	212	242	25 kg	100 kg	B	
				III	6.1	IB8, IP3, T7, TP1, TP28	153	213	240	100 kg	200 kg	A	
	Selenium disulfide	6.1	UN2657	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	
	Selenium hexafluoride	2.3	UN2194		2.3, 8		None	302	None	Forbidden	Forbidden	D	40
	Selenium nitride	Forbidden					None						
	Selenium oxychloride	8	UN2879	I	8, 6.1	A3, A6, A7, N34, T10, TP2, TP12, TP13	None	201	243	0.5 L	2.5 L	E	40
	Self-defense spray, aerosol, see Aerosols, etc.												
+ A	Self-defense spray, non-pressurized.	9	NA3334	III	9	A37	155	203	None	No limit	No limit	A	
D		4.2	UN3188	II	4.2, 8	IB2	None	202	243	1 L	5 L	C	
G	Self-heating liquid, corrosive, inorganic, n.o.s.	4.2	UN3185	III	4.2, 8	IB2	None	203	241	5 L	60 L	C	
				II	4.2, 8	IB2	None	202	243	1 L	5 L	C	
				III	4.2, 8	IB2	None	203	241	5 L	60 L	C	
				II	4.2	IB2	None	202	242	1 L	5 L	C	
				III	4.2	IB2	None	203	241	5 L	60 L	C	
				II	4.2	IB2	None	202	242	1 L	5 L	C	
				III	4.2	IB2	None	203	241	5 L	60 L	C	
				II	4.2	IB2	None	202	243	1 L	5 L	C	
				III	4.2, 6.1	IB2	None	203	241	5 L	60 L	C	
				II	4.2, 6.1	IB2	None	202	243	1 L	5 L	C	
				III	4.2, 6.1	IB2	None	203	241	5 L	60 L	C	
				II	4.2, 6.1	IB2	None	202	243	1 L	5 L	C	

G	Self-heating solid, corrosive, inorganic, n.o.s.	4.2	UN3192	III	4.2, 6.1	IB2	None	203	241	5 L	60 L	.....
G	Self-heating solid, corrosive, organic, n.o.s.	4.2, 8	UN3126	III	4.2, 8	IB5, IP2	None	212	242	15 kg	50 kg	.....
G	Self-heating solid, inorganic, n.o.s.	4.2	UN3190	III	4.2, 8	IB8, IP3	None	213	242	25 kg	100 kg	.....
G	Self-heating solid, organic, n.o.s.	4.2	UN3088	III	4.2	IB6, IP2	None	212	241	15 kg	50 kg	.....
G	Self-heating solid, oxidizing, n.o.s.	4.2	UN3127	III	4.2	IB8, IP3	None	213	241	25 kg	100 kg	.....
G	Self-heating solid, toxic, inorganic, n.o.s.	4.2	UN3191	III	4.2, 6.1	IB5, IP2	None	212	242	15 kg	50 kg	.....
G	Self-heating solid, toxic, organic, n.o.s.	4.2	UN3128	III	4.2, 6.1	IB8, IP3	None	213	242	25 kg	100 kg	.....
G	Self-propelled vehicle, see Engines or Batteries etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
G	Self-reactive liquid type B, temperature controlled.	4.1	UN3221	II	4.1	53	None	224	None	Forbidden	Forbidden	61
G	Self-reactive liquid type C, temperature controlled.	4.1	UN3233	II	4.1	53	None	224	None	Forbidden	Forbidden	2, 61
G	Self-reactive liquid type D, temperature controlled.	4.1	UN3225	II	4.1	None	None	224	None	5 L	10 L	61
G	Self-reactive liquid type E, temperature controlled.	4.1	UN3227	II	4.1	None	None	224	None	5 L	10 L	2, 61
G	Self-reactive liquid type F, temperature controlled.	4.1	UN3237	II	4.1	None	None	224	None	10 L	25 L	2, 61
G	Self-reactive solid type B, temperature controlled.	4.1	UN3222	II	4.1	T23	None	224	None	10 L	25 L	61
G	Self-reactive solid type C, temperature controlled.	4.1	UN3224	II	4.1	53	None	224	None	Forbidden	Forbidden	2, 61
G	Self-reactive solid type D, temperature controlled.	4.1	UN3226	II	4.1	53	None	224	None	5 kg	10 kg	61
G	Self-reactive solid type D, temperature controlled.	4.1	UN3236	II	4.1	53	None	224	None	5 kg	10 kg	2, 61

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
G	Self-reactive solid type E	4.1	UN3228	II	4.1		None	224	None	10 kg	25 kg	D	61
G	Self-reactive solid type E, tem-perature controlled.	4.1	UN3238	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 61
G	Self-reactive solid type F	4.1	UN3230	II	4.1		None	224	None	10 kg	25 kg	D	61
G	Self-reactive solid type F, tem-perature controlled.	4.1	UN3240	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 61
	Shale oil	3	UN1288	I	3	T11, TP1, TP8, TP27	None	201	243	1 L	30 L	B	
	Shaped charges, see Charges, shaped, etc.			II	3	IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	Signal devices, hand	1.4G	UN0191	II	1.4G	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Signal devices, hand	1.4S	UN0373	II	1.4S		None	62	None	Forbidden	75 kg	06	
	Signals, distress, ship	1.1G	UN0184	II	1.1G		None	62	None	25 kg	100 kg	05	
	Signals, highway, see Signal de-vices, hand.	1.3G	UN0195	II	1.3G		None	62	None	Forbidden	Forbidden	07	
	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	II	1.3G		None	62	None	Forbidden	Forbidden	07	
	Signals, ship distress, water-ac-tivated, see Contrivances, water-activated, etc.	1.4G	UN0493	II	1.4G		None	62	None	Forbidden	75 kg	06	
	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	
	Silane	2.1	UN2203	II	2.1		None	302	None	Forbidden	Forbidden	E	40, 57, 104
	Silicofluoric acid, see Fluorosilicic acid.												
	Silicon chloride, see Silicon tet-rachloride.												
	Silicon powder, amorphous	4.1	UN1346	III	4.1	A1, IB8, IP3	None	213	240	25 kg	100 kg	A	
	Silicon tetrachloride	8	UN1818	II	8	A3, A6, B2, B6, IB2, T7, TP2, TP7	154	202	242	1 L	30 L	C	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	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	B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	26
	Sodium bromate	5.1	UN1494	III	8	B2, IB3, N34, T4, TP2	154	203	241	5 L	60 L	A	
	Sodium cacodylate	6.1	UN1688	II	5.1	IB8, IP4	152	212	242	5 kg	25 kg	A	56, 58, 106
	Sodium chlorate	5.1	UN1495	II	5.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	26
	Sodium chlorate, aqueous solution.	5.1	UN2428	II	5.1	A9, IB8, IP4, N34, T4, TP1	152	212	240	5 kg	25 kg	A	56, 58, 106
	Sodium chlorate mixed with dinitrotoluene, see Explosive blasting, type C.			III	5.1	A2, IB2, T4, TP1	152	202	241	1 L	5 L	B	56, 58, 106
	Sodium chlorite					A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 106
	Sodium chloroacetate	6.1	UN1496	II	5.1	A9, IB8, IP2, IP4, N34, T4, TP1	None	212	242	5 kg	25 kg	A	56, 58, 106
	Sodium cuprocyanide, solid	6.1	UN2316	I	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	
	Sodium cuprocyanide, solution	6.1	UN2317	I	6.1	IB7, IP1	None	211	242	5 kg	50 kg	A	26
	Sodium cyanide	6.1	UN1689	I	6.1	T14, TP2, TP13	None	201	243	1 L	30 L	B	26, 40
	Sodium dichloroisocyanurate or triazetrione, see Dichloroisocyanuric acid etc.	1.3C	UN0234	II	1.3C	B69, B77, IB7, IP1, N74, N75, T14, TP2, TP13	None	211	242	5 kg	50 kg	B	52
	Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass.	4.1	UN3369	I	4.1		None	62	None	Forbidden	Forbidden	10	5E
	Sodium dinitro-o-cresolate, wetted, with not less than 10% water by mass.					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 hydrosulfite.	4.2	UN1384	II	4.2	A19, A20, IB6, IP2	None	212	241	15 kg	50 kg	E	13
Sodium fluoride	6.1	UN1690	III	6.1	IB8, IP3, T4, TP1	153	213	240	100 kg	200 kg	A	26
Sodium fluoracetate	6.1	UN2629	I	6.1	IB7, IP1	None	211	242	5 kg	50 kg	E	26
Sodium fluosilicate	6.1	UN2674	III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	26
Sodium hydrate, see Sodium hydroxide, solid.												
Sodium hydride	4.3	UN1427	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	12, 25, 26, 40
Sodium hydrogendifluoride, solid	8	UN2439	II	8	IB8, IP2, IP4, N3, N34	154	212	240	15 kg	50 kg	A	12, 25, 26, 40
Sodium hydrogendifluoride solution.	8	UN2439	II	8	IB8, IP2, IP4, N3, N34	154	202	242	1 L	30 L	A	12, 25, 26, 40
Sodium hydrosulfide, with less than 25 percent water of crystallization.	4.2	UN2318	II	4.2	A7, A19, A20, IB6, IP2	None	212	241	15 kg	50 kg	A	26
Sodium hydrosulfide, see Sodium dithionite.												
Sodium hydroxide, solid	8	UN1823	II	8	A7, IB8, IP2, IP4, T7, TP2	154	212	240	15 kg	50 kg	A	26
Sodium hydroxide solution	8	UN1824	II	8	IB8, IP2, IP4	154	212	240	15 kg	50 kg	A	
					B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	
					IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	
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	A19, IB5, IP2	None	212	242	15 kg	50 kg	B	
Sodium methylate solutions in alcohol.	3	UN1289	II	3, 8	IB2, T7, TP1, TP8	None	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	154	212	240	15 kg	50 kg	A	
Sodium nitrate and potassium nitrate mixtures.	5.1	UN1499	III	5.1	A1, A29, IB8, IP3	152	213	240	25 kg	100 kg	A	
Sodium nitrite	5.1	UN1500	III	5.1, 6.1.	A1, A29, IB8, IP3	152	213	240	25 kg	100 kg	A	56, 58
Sodium pentachlorophenate	6.1	UN2567	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	56, 58
Sodium perchlorate	5.1	UN1502	II	5.1	IB6, IP2	152	212	242	5 kg	25 kg	A	56, 58, 106
Sodium permanganate	5.1	UN1503	II	5.1	IB6, IP2	152	212	242	5 kg	25 kg	D	56, 58, 69, 106, 107

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
(1)	Sodium peroxide	5.1	UN1504	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	B	13, 75, 106
	Sodium peroxoborate, anhy-drous.	5.1	UN3247	II	5.1	IB8, IP4	152	212	240	5 kg	25 kg	A	13, 25, 106
	Sodium persulfate	5.1	UN1505	III	5.1	A1, IB8, IP3	152	213	240	25 kg	100 kg	A	40, 85
	Sodium phosphide	4.3	UN1492	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	40, 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 crys-tallization.	4.2	UN1385	II	4.2	A19, A20, IB6, IP2, N34	None	212	241	15 kg	50 kg	A	
Sodium sulfide, hydrated with not less than 30 percent water.	8	UN1849	II	8	IB8, IP2, IP4, T7, TP2	154	212	240	15 kg	15 kg	A	26	
Sodium superoxide	5.1	UN2547	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	E	13, 75, 106	
Sodium tetranitride	Forbidden												
Solids containing corrosive liq-uid, n.o.s..	8	UN3244	II	8	49, IB5	154	212	240	15 kg	50 kg	B	40	
Solids containing flammable liq-uid, n.o.s..	4.1	UN3175	II	4.1	47, IB6, IP2	151	212	240	15 kg	15 kg	B		
Solids containing toxic liquid, n.o.s..	6.1	UN3243	II	6.1	48, IB2	None	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		
Spirits of salt, see Hydrochloric acid.													

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifi- cation Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
D	Substituted nitrophenol pes- ticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2780	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
I	Substituted nitrophenol pes- ticides, liquid, toxic.	6.1	UN3014	II	3, 6.1	IB2, T11, TP2, TP13, TP27	None	202	243	1 L	60 L	B	40
I	Substituted nitrophenol pes- ticides, liquid, toxic, flammable flash point not less than 23 degrees C.	6.1	UN3013	III	6.1	T14, TP2, TP13, TP28	None	201	243	1 L	30 L	B	40
I	Substituted nitrophenol pes- ticides, solid, toxic.	6.1	UN2779	III	6.1, 3	IB2, T11, TP2, TP13, TP27	None	202	243	5 L	60 L	B	40
I	Sucrose octantrate (dry)	Forbidden	UN2967	III	6.1	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
I	Sulfur	4.1	UN1350	III	4.1	IB7, IP1	None	211	242	5 kg	50 kg	A	40
I	Sulfur and chlorate, loose mix- tures of.	Forbidden	UN1828	I	8	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	40
I	Sulfur chlorides	8	UN1828	I	8	IB8, IP3	None	213	240	100 kg	200 kg	A	40
I	Sulfur dichloride, see Sulfur chlorides.	2.3	UN1079	I	2.3, 8	IB8, IP3, T1, TP1	None	240	240	No limit	No limit	A	19, 74
I	Sulfur dioxide	2.3	UN1079	I	2.3, 8	5, A3, B10, B77, N34, T20, TP2, TP12	None	201	243	Forbidden	2.5 L	C	40
I	Sulfur dioxide	2.3	UN1079	I	2.3, 8	3, B14, T50, TP19	None	304	314, 315	Forbidden	25 kg	D	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
D	Tear gas candles	6.1	UN1700	III	3	B1, B13, IB3, T1, TP3	150	203	242	60 L	220 L	A	40
	<i>Tear gas cartridges, see Ammu-nition, tear-producing, etc.</i>			II	6.1, 4.1		None	340	None	Forbidden	50 kg	D	40
	Tear gas devices with more than 2 percent tear gas sub-stances, by mass.	6.1	NA1693	I	6.1		None	340	None	Forbidden	Forbidden	D	40
G	<i>Tear gas devices, with not more than 2 percent tear gas sub-stances, by mass, see Aerosols, etc.</i>			II	6.1		None	340	None	Forbidden	Forbidden	D	40
	<i>Tear gas grenades, see Tear gas candles.</i>												
G	Tear gas substances, liquid, n.o.s.	6.1	UN1693	I	6.1		None	201	None	Forbidden	Forbidden	D	40
	Tear gas substances, solid, n.o.s.	6.1	UN1693	II	6.1	IB2	None	202	None	Forbidden	5 L	D	40
G	Tellurium compound, n.o.s.	6.1	UN3284	II	6.1	IB8, IP2, IP4 IB7, IP1, T14, TP2, TP27	None	212	None	Forbidden	25 kg	D	40
	Tellurium hexafluoride	2.3	UN2195	III	6.1	T11, TP2, TP27 IB8, IP3, T7, TP1, TP28	None	211	242	25 kg	50 kg	B	40
G	Terpene hydrocarbons, n.o.s.	3	UN2319	III	3	B1, IB3, T4, TP1, TP29	None	212	242	100 kg	100 kg	B	40
	Terpinolene	3	UN2541	III	3	B1, IB3, T2, TP1	None	302	None	Forbidden	Forbidden	D	40
G	Tetraazido benzene quinone	Forbidden	UN2504	III	6.1	IB3, T4, TP1	150	203	242	60 L	220 L	A	40
	1,1,2,2-Tetrachloroethane	6.1	UN1702	II	6.1	IB2, N36, T7, TP2	None	202	243	60 L	220 L	A	40
G	Tetrachloroethylene	6.1	UN1897	III	6.1	IB3, N36, T4, TP1	153	203	241	60 L	220 L	A	40
	Tetraethyl dithiopyrophosphate	6.1	UN1704	II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	D	40

Tetraethyl silicate	3	UN1292	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Tetraethylammonium perchlorate (dry)	Forbidden											.....
Tetraethylenepentamine	8	UN2320	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	.....
1,1,1,2-Tetrafluoroethane or Refrigerant gas R 134a.	2.2	UN3159	.....	2.2	T50	306	304	314, 315	75 kg	150 kg	A	.....
Tetrafluoroethylene, stabilized	2.1	UN1081	.....	2.1		306	304	None	Forbidden	150 kg	E	40
Tetrafluoromethane, or Refrigerant gas R 14.	2.2	UN1982	.....	2.2		None	302	None	75 kg	150 kg	A	.....
1,2,3,6-Tetrahydrobenzaldehyde	3	UN2498	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Tetrahydrofuran	3	UN2056	II	3	IB2, T4, TP1	None	202	242	5 L	60 L	B	.....
Tetrahydrofurfurylamine	3	UN2943	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
Tetrahydrophthalic anhydrides with more than 0.05 percent of maleic anhydride.	8	UN2698	III	8	IB8, IP3	154	213	240	25 kg	100 kg	A	.....
1,2,3,6-Tetrahydropyridine	3	UN2410	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
Tetrahydrothiophene	3	UN2412	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
Tetramethylammonium hydroxide.	8	UN1835	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	.....
Tetramethylene diperoxide dicarbamide	Forbidden											.....
Tetramethylsiane	3	UN2749	I	3	T14, TP2	None	201	243	Forbidden	30 L	D	.....
Tetranitro diglycerin	Forbidden											.....
Tetranitroaniline	1.1D	UN0207	II	1.1D		None	62	None	Forbidden	Forbidden	10	.....
Tetranitromethane	5.1	UN1510	I	5.1, 6.1.	2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP44	None	227	None	Forbidden	Forbidden	D	40, 66, 106
2,3,4,6-Tetranitrophenol	Forbidden											.....
2,3,4,6-Tetranitrophenyl methyl nitramine	Forbidden											.....
2,3,4,6-Tetranitrophenyl nitramine	Forbidden											.....
Tetranitroresorcinol (dry)	Forbidden											.....
2,3,5,6-Tetranitro-1,4-dinitrobenzene.	Forbidden											.....
2,3,5,6-Tetranitroso nitrobenzene (dry).	Forbidden											.....
Tetrapropylorthitanate	3	UN2413	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	.....
Tetrazene, see Guananyl nitrosaminoquanyltetrazene.	.....											.....
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											.....
Tetyl, see Tinitrophenylmethylnitramine.	.....											.....
Tinitrophenylmethylnitramine.	4.2	UN1857	III	4.2		151	213	240	Forbidden	Forbidden	A	.....
Textile waste, wet	5.1	UN2573	II	5.1, 6.1.	IB6, IP2	None	212	242	5 kg	25 kg	A	56, 58, 106
Thallium chlorate	.....											.....

A, I, W

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
+	Toluene	3	UN1294	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	Toluene dithiocyanate	6.1	UN2078	II	6.1	IB2, T7, TP2, TP13	None	202	243	5 L	60 L	D	25, 40
+	<i>Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc.</i>	6.1	UN1708	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A	.....
	Toluidines liquid	6.1	UN1708	II	6.1	IB8, IP2, IP4, T7, TP2	None	212	242	25 kg	100 kg	A	.....
+	Toluidines solid	6.1	UN1709	III	6.1	IB8, IP3, T4, TP1	153	213	240	100 kg	200 kg	A	.....
	2,4-Toluylenediamine or 2,4-Toluenediamine	6.1	UN1709	III	6.1	IB8, IP3, T4, TP1	153	213	240	100 kg	200 kg	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	.....
G	Torpedoes with bursting charge	1.1D	UN0451	II	1.1D	.....	.....	62	None	Forbidden	Forbidden	03	.....
	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, corrosive, inorganic, n.o.s. Inhalation Hazard, Packing Group I, Zone A.	6.1	UN3289	II	6.1, 8	IB2, T11, TP2, TP27	None	202	243	1 L	30 L	A	.....
	Toxic liquid, corrosive, inorganic, n.o.s. Inhalation Hazard, Packing Group I, Zone A.	6.1	UN3289	I	6.1, 8	1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	B	40
G	Toxic liquid, corrosive, inorganic, n.o.s. Inhalation Hazard, Packing Group I, Zone B.	6.1	UN3289	I	6.1, 8	2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
	Toxic liquid, inorganic, n.o.s.	6.1	UN3287	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	A	.....
G	Toxic liquid, inorganic, n.o.s. In- halation Hazard, Packing Group I, Zone A.	6.1	UN3287	II	6.1	IB2, T11, TP2, TP27	None	202	243	5 L	60 L	A	.....
	Toxic liquid, inorganic, n.o.s. In- halation Hazard, Packing Group I, Zone A.	6.1	UN3287	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	.....
G	Toxic liquid, inorganic, n.o.s. In- halation Hazard, Packing Group I, Zone A.	6.1	UN3287	I	6.1	1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	B	40

G	Toxic liquids, inorganic, n.o.s. Inhalation hazard, Packing Group I, Zone B.	6.1	UN3287	I	6.1	2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	I	6.1, 8	T14, TP2, TP27	None	201	243	2.5 L	0.5 L	40
G	Toxic liquids, corrosive, organic, n.o.s., inhalation hazard, Packing Group I, Zone A.	6.1	UN2927	II	6.1, 8	IB2, T11, TP2, TP27	None	202	243	30 L	1 L	40
G	Toxic liquids, corrosive, organic, n.o.s., inhalation hazard, Packing Group I, Zone B.	6.1	UN2927	I	6.1, 8	1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44	None	227	244	Forbidden	Forbidden	40
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	30 L	1 L	40
G	Toxic liquids, flammable, organic, n.o.s., inhalation hazard, Packing Group I, Zone A.	6.1	UN2929	II	6.1, 3	IB2, T11, TP2, TP13, TP27	None	202	243	60 L	5 L	40
G	Toxic liquids, flammable, organic, n.o.s., inhalation hazard, Packing Group I, Zone B.	6.1	UN2929	I	6.1, 3	1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	I	6.1	2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	I	6.1	T14, TP2, TP13, TP27	None	201	243	30 L	1 L	40
G	Toxic liquids, organic, n.o.s., inhalation hazard, Packing Group I, Zone A.	6.1	UN2810	II	6.1	IB2, T11, TP2, TP13, TP27	None	202	243	60 L	5 L	40
G	Toxic liquids, organic, n.o.s., inhalation hazard, Packing Group I, Zone B.	6.1	UN2810	III	6.1	IB3, T7, TP1, TP28	153	203	241	220 L	60 L	40
G	Toxic liquids, organic, n.o.s., inhalation hazard, Packing Group I, Zone A.	6.1	UN2810	I	6.1	1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	40
G	Toxic liquids, organic, n.o.s., inhalation hazard, Packing Group I, Zone B.	6.1	UN2810	I	6.1	2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	I	6.1, 5.1	TP38, TP45 A4	None	201	243	2.5 L	Forbidden	.....
G	Toxic liquids, oxidizing, n.o.s., inhalation hazard, Packing Group I, Zone A.	6.1	UN3122	II	6.1, 5.1	IB2	None	202	243	5 L	1 L	.....
G	Toxic liquids, oxidizing, n.o.s., inhalation hazard, Packing Group I, Zone A.	6.1	UN3122	I	6.1, 5.1	1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age		
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other	
G	Toxic liquids, oxidizing, n.o.s. In-halation Hazard, Packing Group I, Zone B.	6.1	UN3122	I	6.1, 5.1.	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None ...	227	244	244	Forbidden	Forbidden	C	
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	I	6.1, 4.3.	A4	None ...	201	243	243	Forbidden	1 L	E	40
G	Toxic liquids, water-reactive, n.o.s. Inhalation hazard, pack-ing group I, Zone A.	6.1	UN3123	II	6.1, 4.3.	IB2	None ...	202	243	243	1 L	5 L	E	40
G	Toxic liquids, water-reactive, n.o.s. Inhalation hazard, pack-ing group I, Zone B.	6.1	UN3123	I	6.1, 4.3.	1, B9, B14, B30, B72, T22, TP2, TP13, TP38, TP44	None ...	226	244	244	Forbidden	Forbidden	E	40
G	Toxic solid, corrosive, inorganic, n.o.s.	6.1	UN3290	I	6.1, 8	2, B9, B14, B32, B74, T20, TP2, TP13, TP38, TP44	None ...	211	242	242	Forbidden	Forbidden	E	40
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	II	6.1, 8	IB7	None ...	212	242	242	1 kg	25 kg	A	.....
G	Toxic solids, corrosive, organic, n.o.s.	6.1	UN2928	III	6.1, 8	IB6, IP2	None ...	212	242	242	15 kg	50 kg	A	.....
G	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	II	6.1, 4.1.	IB8, IP2, IP4	None ...	211	242	242	5 kg	100 kg	A	.....
G	Toxic solids, organic, n.o.s.	6.1	UN2811	III	6.1, 4.1.	IB7	None ...	211	242	242	25 kg	50 kg	B	.....
G	Toxic solids, oxidizing, n.o.s.	6.1	UN3086	I	6.1, 5.1.	IB8, IP2, IP4	None ...	153	240	240	100 kg	200 kg	A	.....
G	Toxic solids, self-heating, n.o.s.	6.1	UN3124	II	6.1, 4.2.	IB6, IP2	None ...	212	242	242	1 kg	15 kg	C	.....
G	Toxic solids, self-heating, n.o.s.	6.1	UN3124	II	6.1, 4.2.	A5	None ...	211	242	242	5 kg	15 kg	D	40
G	Toxic solids, self-heating, n.o.s.	6.1	UN3124	II	6.1, 4.2.	IB6, IP2	None ...	212	242	242	15 kg	50 kg	D	40

G	Toxic solids, water-reactive, n.o.s.	6.1	UN3125	I	6.1, 4.3	A5	None	211	242	5 kg	15 kg	D	40
G	Toxins, from living sources, liquid, n.o.s.	6.1	UN3172	II	6.1, 4.3	IB6, IP2	None	212	242	15 kg	50 kg	D	40
G	Toxins, from living sources, solid, n.o.s.	6.1	UN3172	III	6.1	141	None	201	243	1 L	30 L	B	40
D	Toy Caps	1.4S	NA0337	III	6.1	141	None	202	243	5 L	60 L	B	40
	Tracers for ammunition	1.3G	UN0212	III	6.1	141	None	203	241	60 L	220 L	A	40
	Tracers for ammunition	1.4G	UN0306	III	6.1	141	None	211	243	5 kg	50 kg	B	40
	Tractors, see Vehicle, etc			II	6.1	141	None	212	243	25 kg	100 kg	B	
	Tri-(p-nitroxyethyl) ammonium nitrate	Forbidden		III	6.1	141	None	213	241	100 kg	200 kg	A	
	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	Forbidden	30 L	B	40
	Triazine pesticides, liquid, toxic			II	3, 6.1	IB2, T11, TP2, TP13, TP27	None	202	243	1 L	60 L	B	40
	Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN2998	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1	IB2, T11, TP2, TP13, TP27	None	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	None	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
				I	6.1	IB7, IP1	None	211	242	5 kg	50 kg	A	40
				II	6.1	IB8, IP2, IP4	None	212	242	25 kg	100 kg	A	40
				III	6.1	IB8, IP3	153	213	240	100 kg	200 kg	A	40
				I	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A	
				I	4.2		None	211	242	Forbidden	Forbidden	D	
				II	8	A7, IB8, IP2, IP4, N34	154	212	240	15 kg	50 kg	A	
				II	8	A3, A6, A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	B	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
+	Trichloroacetyl chloride	8	UN2442	II	8, 6.1	A3, A6, A7, IB3, N34, T4, TP1 2, A3, A7, B9, B14, B32, B74, N34, T20, TP2, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Trichlorobenzenes, liquid	6.1	UN2321	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	.....
	Trichlorobutene	6.1	UN2322	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A	25, 40
	1,1,1-Trichloroethane	6.1	UN2831	III	6.1	IB3, N36, T4, TP1	153	203	241	60 L	220 L	A	40
	Trichloroethylene	6.1	UN1710	III	6.1	IB3, N36, T4, TP1	153	203	241	60 L	220 L	A	40
	Trichloroisocyanuric acid, dry	5.1	UN2468	II	5.1	IB8, IP4	152	212	240	5 kg	25 kg	A	13
	Trichloromethyl perchlorate	Forbidden											
	Trichlorosilane	4.3	UN1295	I	4.3, 3, 8	A7, N34, T14, TP2, TP7, TP13	None	201	244	Forbidden	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	None	202	243	5 L	60 L	A	.....
	Triethyl phosphite	3	UN2323	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Triethylamine	3	UN1296	II	3, 8	IB2, T7, TP1	None	202	243	1 L	5 L	B	40
	Triethylenetetramine	8	UN2559	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	B	40
	Trifluoroacetic acid	8	UN2699	I	8	A3, A6, A7, B4, N3, N34, T10, TP2, TP12	None	201	243	0.5 L	2.5 L	B	12, 40
	Trifluoroacetyl chloride	2.3	UN3057	.....	2.3, 8	2, B7, B9, B14, T50, TP21	None	304	314, 315	Forbidden	Forbidden	D	40
	Trifluorochloroethylene, stabilized	2.3	UN1082	.....	2.3	3, B14, T50	None	304	314, 315	Forbidden	Forbidden	D	40
	1,1,1-Trifluoroethane or Refrigerant gas, R143a	2.1	UN2035	.....	2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
	Trifluoromethane or Refrigerant gas R 23	2.2	UN1984	.....	2.2		306	304	314, 315	Forbidden	150 kg	A	.....
	Trifluoromethane, refrigerated liquid	2.2	UN3136	.....	2.2	T75, TP5	306	None	314, 315	50 kg	500 kg	D	.....
	2-Trifluoromethylaniline	6.1	UN2942	III	6.1	IB3	153	203	241	60 L	220 L	A	.....
	3-Trifluoromethylaniline	6.1	UN2948	II	6.1	IB2, T7, TP2	None	202	243	5 L	60 L	A	40
	Triformoxime trinitrate	Forbidden											
	Trisobutylene	3	UN2324	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	.....

Trisopropyl borate	3	UN2616	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	40
Trimethoxysilane	6.1	NA9269	I	6.1, 3	B1, IB3, T2, TP1 2, B9, B14, B32, B74, T20, TP4, TP12, TP13, TP38, TP45	None	203	242	60 L	220 L	40
Trimethyl borate	3	UN2416	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	
Trimethyl phosphite	3	UN2329	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	
1,3,5-Trimethyl-2,4,6-trinitrobenzene.	Forbidden										
Trimethylacetyl chloride	6.1	UN2438	I	6.1, 8, 3	2, A3, A6, A7, B3, B9, B14, B32, B74, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	25, 40
Trimethylamine, anhydrous	2.1	UN1063		2.1	T50	306	304	314, 315	Forbidden	150 kg	40
Trimethylamine, aqueous solutions with not more than 50 percent trimethylamine by mass.	3	UN1297	I	3, 8	T11, TP1	None	201	243	0.5 L	2.5 L	40, 41
1,3,5-Trimethylbenzene	3	UN2325	II	3, 8	B1, IB2, T7, TP1	None	202	243	1 L	5 L	40, 41
Trimethylchlorosilane	3	UN1298	III	3	B1, IB3, T7, TP1	None	203	242	5 L	60 L	40, 41
Trimethylcyclohexylamine	8	UN2326	III	8	A3, A7, B77, IB2, N34, T7, TP2, TP13	None	202	243	1 L	5 L	40
Trimethylene dipchlorate.	Forbidden										
Trimethylhexamethylene diisocyanate.	6.1	UN2328	III	6.1	IB3, T4, TP2, TP13	153	203	241	60 L	220 L	
Trimethylhexamethylenediamine	8	UN2327	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	
Trimethyl nitromethane trinitrate.	Forbidden										
Trinitro-meta-cresol	1.1D	UN0216	II	1.1D		None	62	None	Forbidden	Forbidden	5E
2,4,6-Trinitro-1,3-diazobenzene	Forbidden										
2,4,6-Trinitro-1,3,5-triazolo benzene (dry).	Forbidden										
Trinitroacetic acid	Forbidden										
Trinitroacetone	Forbidden										
Trinitroacetone trinitrate	Forbidden										
Trinitroamine cobalt	1.1D	UN0153	II	1.1D		None	62	None	Forbidden	Forbidden	10
Trinitroaniline or Picramide	1.1D	UN0213	II	1.1D		None	62	None	Forbidden	Forbidden	10
Trinitroanisole	1.1D	UN0214	II	1.1D		None	62	None	Forbidden	Forbidden	10
Trinitrobenzene, dry or wetted with less than 30 percent water, by mass.	4.1	UN3367	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	36
Trinitrobenzene, wetted, with not less than 10% water by mass.											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
(1)	Trinitrobenzene, wetted with not less than 30 percent water, by mass.	4.1	UN1354	I	4.1	23, A2, A8, A19, N41	None	211	None	0.5 kg	0.5 kg	E	28
	Trinitrobenzenesulfonic acid	1.1D	UN0386	II	1.1D		None	62	None	Forbidden	Forbidden	10	5E
	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 Picryl chloride.	1.1D	UN0155	II	1.1D		None	62	None	Forbidden	Forbidden	10	.....
	Trinitrochlorobenzene (picryl 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											
	Trinitrofluorenone	1.1D	UN0387	II	1.1D		None	62	None	Forbidden	Forbidden	10	.....
	Trinitromethane	Forbidden											
	1,3,5-Trinitrobenzene	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 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 (picric acid), wetted, with not less than 10% 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, 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											

Tritrophenylmethylnitramine or Tetyl.	1.1D	UN0208	II	1.1D ..	None ...	62	None ...	Forbidden	10	.....
Tritroresorcinol 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	10	5E
Tritroresorcinol, wetted or Styphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water by mass.	1.1D	UN0394	II	1.1D ..	None ...	62	None ...	Forbidden	10	5E
2,4,6-Trinitroso-3-methyl nitraminoanisole.	Forbidden									
Tritroteratramine cobalt nitrate ...	Forbidden									
Tritroloebene and TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures or TNT mixtures	1.1D	UN0388	II	1.1D ..	None ...	62	None ...	Forbidden	10	.....
Tritroloebene and hexanitrostilbene mixtures.	1.1D	UN0389	II	1.1D ..	None ...	62	None ...	Forbidden	10	.....
Tritroloebene mixtures containing Trinitrobenzene and Hexanitrostilbene or TNT mixtures containing trinitrobenzene and hexanitrostilbene.	1.1D	UN0209	II	1.1D ..	None ...	62	None ...	Forbidden	10	.....
Tritroloebene or TNT, dry or wetted with less than 30 percent water, by mass.	4.1	UN3366	I	4.1	None ...	211	None ...	0.5 kg	E	36
Tritroloebene (TNT), wetted, with not less than 10% water by mass.	4.1	UN1356	I	4.1	None ...	211	None ...	0.5 kg	E	28
Tritroloebene, wetted with not less than 30 percent water, by mass.	3	UN2260	III	3, 8	150	203	242	5 L	A	40
Tripropylamine	3	UN2057	III	3	150	202	242	5 L	B	
Tripropylene	3		III	3	150	203	242	60 L	A	
Tris-(1-aziridinyl)phosphine oxide, solution.	6.1	UN2501	II	6.1	None ...	202	243	5 L	A	
Tris, bis-bifluoroamino diethoxy propane (TVOPA).	Forbidden		III	6.1	153	203	241	60 L	A	
Tritonal	1.1D	UN0390	II	1.1D ..	None ...	62	None ...	Forbidden	10	.....
Tungsten hexafluoride	2.3	UN2196	.....	2.3, 8	None	338	None	Forbidden	D	40
Turpentine	3	UN1299	III	3	150	203	242	60 L	A	
Turpentine substitute	3	UN1300	I	3	None	201	243	1 L	B	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di- vision	(4) Identifica- tion Num- bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							(8A) Excep- tions	(8B) Non- bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air- craft only	(10A) Loca- tion	(10B) Other
												
	Urea nitrate, <i>dry or wetted with less than 20 percent water, by mass.</i>	1.1D	UN0220	II	1.1D ..	119	None ..	62	None ..	Forbidden	Forbidden	10	.....
	Urea nitrate, <i>wetted, with not less than 10% water, by mass.</i>	4.1	UN3370	I	4.1	162, A8, A19, N41, N83	None ..	211	None ..	0.5 kg	0.5 kg	E	36
	Urea nitrate, <i>wetted with not less than 20 percent water, by mass.</i>	4.1	UN1357	I	4.1	23, 39, A8, A19, N41	None ..	211	None ..	1 kg	15 kg	E	28, 36
	Urea peroxide, <i>see Urea hydro- gen peroxide.</i>												
	Valeraldehyde	3	UN2058	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	.....
	Valeric acid, <i>see Corrosive liq- uids, n.o.s.</i>												
	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, <i>n.o.s.</i>	6.1	UN3285	I	6.1	IB7, IP1, T14, TP2, TP27	None ..	211	242	5 kg	50 kg	B	.....
												
												
	Vanadium oxytrichloride	8	UN2443	III	6.1	IB8, IP2, IP4, T11, TP2, TP27, TP1, TP28	153	213	240	100 kg	200 kg	A	.....
												
	Vanadium pentoxide, <i>non-fused form.</i>	6.1	UN2862	III	6.1	A3, A6, A7, B2, IB8, IP3	154	202	242	Forbidden	30 L	C	40
	Vanadium tetrachloride	8	UN2444	I	8	A3, A6, A7, B4, N34, T10, TP2	None ..	213	240	100 kg	200 kg	A	40
	Vanadium trichloride	8	UN2475	III	8	IB8, IP3	154	213	240	25 kg	100 kg	A	40
	Vanadyli sulfate	6.1	UN2931	II	6.1	IB8, IP2, IP4	None ..	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 pow- ered.	9	UN3166	.....	9	135, 157	220	220	220	No limit	No limit	A	.....

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
G	Water-reactive solid, flammable, n.o.s.	4.3	UN3132	III	4.3, 8	IB8, IP4 IB4, N40	151	213	241	25 kg	100 kg	E	85
				I	4.3, 4.1		None	211	242	Forbidden	15 kg	D	
				II	4.3, 4.1	IB4	151	212	242	15 kg	50 kg	E	
				III	4.3, 4.1	IB6	151	213	241	25 kg	100 kg	E	
G	Water-reactive solid, n.o.s.	4.3	UN2813	I	4.3	IB4, N40	None	211	242	Forbidden	15 kg	E	40
				II	4.3	IB7, IP2	151	212	242	15 kg	50 kg	E	40
				III	4.3	IB8, IP4	151	213	241	25 kg	100 kg	E	40
G	Water-reactive, solid, oxidizing, n.o.s.	4.3	UN3133	II	4.3, 5.1		None	214	214	Forbidden	Forbidden	E	40
				III	4.3, 5.1		None	214	214	Forbidden	Forbidden	E	40
G	Water-reactive solid, self-heat-ing, n.o.s.	4.3	UN3135	I	4.3, 4.2	N40	None	211	242	Forbidden	15 kg	E	
				II	4.3, 4.2	IB5, IP2	None	212	242	15 kg	50 kg	E	
				III	4.3, 4.2	IB8, IP4	None	213	241	25 kg	100 kg	E	
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	
				II	4.3, 6.1	IB5, IP2	151	212	242	15 kg	50 kg	E	85
				III	4.3, 6.1	IB8, IP4	151	213	241	25 kg	100 kg	E	85
	Wheel chair, electric, see Bat-tery powered vehicle or Bat-tery powered equipment.												
	White acid, see Hydrofluoric acid.												
I	White asbestos (chrysotile, ac-tinolite, anthophyllite, tremolite).	9	UN2590	III	9	156, IB8, IP2, IP3	155	216	240	200 kg	200 kg	A	34, 40
	Wood preservatives, liquid	3	UN1306	II	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
	Xanthates	4.2	UN3342	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
				III	4.2	IB6, IP2	None	212	241	15 kg	50 kg	D	40
				III	4.2	IB8, IP3	None	213	241	25 kg	100 kg	D	40

A, I, W	UN	Class	Label	151	213	240	Forbidden	Forbidden	A
Wool waste, wet	4.2 UN1387	III	4.2	151	213	240	Forbidden	Forbidden	A
Xenon	2.2 UN2036		2.2	306	302	None	75 kg	150 kg	A
Xenon, refrigerated liquid (cryogenic liquids)	2.2 UN2591		2.2	320	None	None	50 kg	500 kg	B
Xylenes	3 UN1307	III	3	150	202	242	5 L	60 L	B
Xylenols	6.1 UN2261	II	6.1	None	212	242	25 kg	220 L	A
Xylidines, liquid	6.1 UN1711	II	6.1	None	202	243	5 L	60 L	A
Xylidines, solid	6.1 UN1711	II	6.1	None	212	242	25 kg	100 kg	A
Xylyl bromide	6.1 UN1701	II	6.1	None	340	None	Forbidden	60 L	D
p-Xylyl diazide	Forbidden								
Zinc ammonium nitrite	5.1 UN1512	II	5.1	None	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	None	212	242	25 kg	100 kg	A
Zinc ashes	4.3 UN1435	III	4.3	151	213	241	25 kg	100 kg	A
Zinc bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.									
Zinc bromate	5.1 UN2469	III	5.1	152	213	240	25 kg	100 kg	A
Zinc chlorate	5.1 UN1513	II	5.1	152	212	242	5 kg	25 kg	A
Zinc chloride, anhydrous	8 UN2331	III	8	None	213	240	25 kg	100 kg	A
Zinc chloride, solution	8 UN1840	III	8	154	203	241	5 L	60 L	A
Zinc cyanide	6.1 UN1713	I	6.1	None	211	242	5 kg	50 kg	A
Zinc dithionite or Zinc hydro-sulfite	9 UN1931	III	None	155	204	240	100 kg	200 kg	A
Zinc ethyl, see Diethylzinc									
Zinc fluorosilicate	6.1 UN2855	III	6.1	153	213	240	100 kg	200 kg	A
Zinc hydrosulfite, see Zinc dithionite									
Zinc muriate solution, see Zinc chloride, solution									
Zinc nitrate	5.1 UN1514	II	5.1	152	212	240	5 kg	25 kg	A
Zinc permanganate	5.1 UN1515	II	5.1	152	212	242	5 kg	25 kg	D
Zinc peroxide	5.1 UN1516	II	5.1	152	212	242	5 kg	25 kg	A
Zinc phosphide	4.3 UN1714	I	4.3, 6.1	None	211	None	Forbidden	15 kg	E
Zinc powder or Zinc dust	4.3 UN1436	I	4.3, 4.2	None	211	242	Forbidden	15 kg	A

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descrip-tions and proper shipping names	(3) Hazard class or Di-vision	(4) Identifica-tion Num-bers	(5) PG	(6) Label Codes	(7) Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow-age	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Zinc resinates			III	4.3, 4.2.	A19, IB7, IP2	None	212	242	15 kg	50 kg	A	
	Zinc selenate, see Selenates or Selenites.			III	4.3, 4.2.	IB8, IP4	None	213	242	25 kg	100 kg	A	
	Zinc selenite, see Selenates or Selenites.			III	4.1	A1, IB6	151	213	240	25 kg	100 kg	A	
	Zinc silicofluoride, see Zinc fluorosilicate.												
	Zirconium, dry, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns).			III	4.1	A1, IB8	151	213	240	25 kg	100 kg	A	
	Zirconium, dry, finished sheets, strip or coiled wire.			III	4.2	A1, A19, IB8	None	213	240	25 kg	100 kg	D	
	Zirconium hydride			II	4.1	A19, A20, IB4, N34	None	212	240	15 kg	50 kg	E	
	Zirconium nitrate			III	5.1	A1, A29, IB8, IP3	152	213	240	25 kg	100 kg	A	
	Zirconium picramate, dry or wetted with less than 20 percent water, by mass.			II	1.3C		None	62	None	Forbidden	Forbidden	10	5E
	Zirconium picramate, wetted with not less than 20 percent water, by mass.			I	4.1	23, N41	None	211	None	1 kg	15 kg	D	28, 36
	Zirconium powder, dry			I	4.2	A19, A20, IB6, IP2, N5, N34	None	211	242	Forbidden	Forbidden	D	
				II	4.2	IP2, N5, N34	None	212	241	15 kg	50 kg	D	
				III	4.2	IB8, IP3	None	213	241	25 kg	100 kg	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.			II	4.1	A19, A20, IB6, IP2, N34	None	212	241	15 kg	50 kg	E	
	Zirconium scrap			III	4.2	IB8, IP3, N34	None	213	240	Forbidden	Forbidden	D	

	3	UN1308	I 3	None	201	243	Forbidden	Forbidden	B
Zirconium suspended in a liquid			II 3	None	202	242	5 L	60 L	B
			III 3	B1, IB2	203	242	60 L	220 L	B
Zirconium tetrachloride	8	UN2503	III 8	IB8, IP3	213	240	25 kg	100 kg	A

[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 in the Finding Aids section of this volume.

EDITORIAL NOTE: At 68 FR 45020, July 31, 2003, §172.101 was amended by revising entries in the Hazardous Materials Table; however, two amendments could not be incorporated because those entries do not exist. For the convenience of the user, the revised text is set forth as follows:

§ 172.101 Purpose and use of hazardous materials table.

* * * * *

§ 172.101 HAZARDOUS MATERIALS TABLE

Sym-bols	Hazardous materials descrip-tions and proper shipping names	Hazard class or Di- vision	Identifica- tion Num- bers	PG	Label Codes	Special provisions (§172.102)	(8) Packaging (§173.***)			(9) Quantity limitations		(10) Vessel stow- age	
							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)
*	*			*	4.1		*	None	None	Forbidden	0.5 kg	*	28
Dipicryl dulfide, wetted with <i>not less than 10 percent water, by mass.</i>		4.1	UN2852	I	4.1	162, A2, N41, N84	None	211	None	Forbidden	5 kg	D	B
*	*			*	3	40, 149	152	225	None	5 kg	5 kg	*	B
Polyester resin		3	UN3269	*	3	*	*	*	*	*	*	*	*

§ 172.101

49 CFR Ch. I (10–1–04 Edition)

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 reportable 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)
Acenaphthene	100 (45.4)
Acenaphthylene	5000 (2270)
Acetaldehyde	1000 (454)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilo-grams)
Acetaldehyde, chloro-	1000 (454)
Acetaldehyde, trichloro-	5000 (2270)
Acetamide	100 (45.4)
Acetamide, N-(aminothioxomethyl)-	1000 (454)
Acetamide, N-(4-ethoxyphenyl)-	100 (45.4)
Acetamide, N-fluoren-2-yl-	1 (0.454)
Acetamide, 2-fluoro-	100 (45.4)
Acetic acid	5000 (2270)
Acetic acid (2,4-dichlorophenoxy)-	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(I+) salt	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	1 (0.454)
Acrolein	1(0.454)
Acrylamide	5000 (2270)
Acrylic acid	5000 (2270)
Acrylonitrile	100 (45.4)
Adipic acid	5000 (2270)
AldicarbD1 (0.454).	
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 fluoroborate	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)
Antimony c	5000 (2270)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
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)
Arsenic c	1 (0.454)
Arsenic acid	1 (0.454)
Arsenic acid H3AsO4	1 (0.454)
Arsenic disulfide	1 (0.454)
Arsenic oxide As203	1 (0.454)
Arsenic oxide As205	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 cc	1 (0.454)
Auramine100 (45.4)	
Azaserine	1 (0.454)
Aziridine	1 (0.454)
Aziridine, 2-methyl-	1 (0.454)
Azino[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-[alpha,8beta,8aalpha,8balpha)]-	10 (4.54)
Barium cyanide	10 (4.54)
Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	10 (4.54)
Benz[c]acridine	100 (45.4)
3,4-Benzacridine	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)
Benzene, 1-bromo-4-phenoxy-	100 (45.4)
Benzene, chloro-	100 (45.4)
Benzene, chloromethyl-	100 (45.4)
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)
Benzene, m-dimethyl-	1000 (454)
Benzene, o-dimethyl-	1000 (454)
Benzene, p-dimethyl-	100 (45.4)
Benzene, hexachloro-	10 (4.54)
Benzene, hexahydro-	1000 (454)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Benzene, hydroxy-	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)
Benzene, 1,2,4,5-tetrachloro-	5000 (2270)
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)
Benzenoacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester	10 (4.54)
Benzenobutanoic acid, 4-[bis(2-chloroethyl)amino]-	10 (4.54)
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)
1,3-Benzenediol	5000 (2270)
1,2-Benzenediol,4-[1-hydroxy-2-(methylamino)ethyl]-	1000 (454)
Benzenoethanamine, alpha,alpha-dimethyl-	5000 (2270)
Benzenesulfonic acid chloride	100 (45.4)
Benzenesulfonyl chloride	100 (45.4)
Benzenethiol	100 (45.4)
Benzidine	1 (0.454)
1,2-Benzisothiazol-3(2H)-one,1,1-dioxide	100 (45.4)
Benzo[a]anthracene	10 (4.54)
1,3-Benzodioxole, 5-(2-propenyl)-	100 (45.4)
1,3-Benzodioxole, 5-(1-propenyl)-	100 (45.4)
1,3-Benzodioxole, 5-propyl-	10 (4.54)
Benzo[b]fluoranthene	1 (0.454)
Benzo[k]fluoranthene	5000 (2270)
Benzo[j,k]fluorene	100 (45.4)
Benzoic acid	5000 (2270)
Benzonitrile	5000 (2270)
Benzo[g,h,i]perylene	5000 (2270)
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3%	100 (45.4)
Benzo[a]pyrene	1 (0.454)
3,4-Benzopyrene	1 (0.454)
p-Benzoquinone	10 (4.54)
Benzo [rst]pentaphene	10 (4.54)
Benzotrichloride	10 (4.54)
Benzoyl chloride	1000 (454)
1,2-Benzphenanthrene	100 (45.4)
Benzyl chloride	100 (45.4)
Beryllium c	10 (4.54)
Beryllium chloride	1 (0.454)
Beryllium dust c	10 (4.54)
Beryllium fluoride	1 (0.454)
Beryllium nitrate	1 (0.454)
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-	10 (4.54)
(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(2-ethylhexyl)phthalate	100 (45.4)
Bromoacetone	1000 (454)
Bromoform	100 (45.4)
4-Bromophenyl phenyl ether	100 (45.4)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
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 c	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	10 (4.54)
Calcium cyanide Ca(CN) ₂	10 (4.54)
Calcium dodecylbenzene sulfonate	1000 (454)
Calcium hypochlorite	10 (4.54)
Camphene, octachloro-	1 (0.454)
Captan	10 (4.54)
Carbamic acid, ethyl ester	100 (45.4)
Carbamic acid, methylnitroso-, ethyl ester	1 (0.454)
Carbamic chloride, dimethyl-	1 (0.454)
Carbamide, thio-	10 (4.54)
Carbamimidoseleonic acid	1000 (454)
Carbamothioic acid, bis (1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	100 (45.4)
Carbaryl	100 (45.4)
Carbofuran	10 (4.54)
Carbon bisulfide	100 (45.4)
Carbon disulfide	100 (45.4)
Carbonic acid, dithallium (I+)	100 (45.4)
Carbonic dichloride	10 (4.54)
Carbonic difluoride	1000 (454)
Carbonochloridic acid, methyl ester	1000 (454)
Carbon oxyfluoride	1000 (454)
Carbon tetrachloride	10 (4.54)
Carbonyl sulfide	100 (45.4)
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	1 (0.454)
Chlorine	10 (4.54)
Chlornaphazine	100 (45.4)
Chloroacetaldehyde	1000 (454)
Chloroacetic acid	100 (45.4)
2-Chloroacetophenone	100 (45.4)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
p-Chloroaniline	1000 (454)
Chlorobenzene	100 (45.4)
Chlorobenzilate	10 (4.54)
4-Chloro-m-cresol	5000 (2270)
p-Chloro-m-cresol	5000 (2270)
Chlorodibromomethane	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 H2CrO4, calcium salt	10 (4.54)
Chromic sulfate	1000 (454)
Chromium c	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 c	5000 (2270)
Copper chloride @	10 (4.54)
Copper cyanide	10 (4.54)
Copper cyanide CuCN	10 (4.54)
Coumaphos	10 (4.54)
Creosote	1 (0.454)
Cresols (isomers and mixture)	100 (45.4)
m-Cresol	100 (45.4)
o-Cresolo	100 (45.4)
p-Cresol	100 (45.4)
Cresylic acid (isomers and mixture)	100 (45.4)
m-Cresylic acid	100 (45.4)
o-Cresylic acid	100 (45.4)
p-Cresylic acid	100 (45.4)
Crotonaldehyde	100 (45.4)
Cumene	5000 (2270)
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)
Cupric tartrate	100 (45.4)
Cyanides (soluble salts and complexes) not otherwise specified	10 (4.54)
Cyanogen	100 (45.4)
Cyanogen bromide	1000 (454)
Cyanogen bromide (CN)Br	1000 (454)
Cyanogen chloride	10 (4.54)
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-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-	1 (0.454)
Cyclohexanone	5000 (2270)
2-Cyclohexyl-4,6-dinitrophenol	100 (45.4)
1,3-Cyclopentadiene, 1,2,3,4,5-hexachloro-	10 (4.54)
Cyclophosphamide	10 (4.54)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilo-grams)
2,4-D Acid	100 (45.4)
2,4-D Ester	100 (45.4)
Daunomycin	10 (4.54)
DDD	1 (0.454)
4,4'-DDD	1 (0.454)
DDE	1 (0.454)
4,4'-DDE	1 (0.454)
DDT	1 (0.454)
4,4'-DDT	1 (0.454)
Diallate	100 (45.4)
Diamine	1 (0.454)
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)
Dibenz[a,i]pyrene	10 (4.54)
1,2-Dibromo-3-chloropropane	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)
Dichloromethoxy ethane	1000 (454)
Dicholormethyl 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)
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	1000 (454)
N,N-diethylaniline	1000 (454)
Diethylarsine	1 (0.454)
1,4-Diethylenedioxiide	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)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
O,O-Diethyl O-pyrazinyl phosphorothioate	100 (45.4)
Diethylstilbestrol	1 (0.454)
Diethyl sulfate	10 (4.54)
Dihydrosafrole	10 (4.54)
Diisopropyl fluorophosphate	100 (45.4)
1,4,5,8-Dimethanonaphthalene	
1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4beta,5beta,8beta,8beta)-	1 (0.454)
1,4,5,8-Dimethanonaphthalene,1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1alpha,4alpha,4beta,5alpha,8alpha,8beta)-	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-, (1alpha,2beta,2beta,3alpha,6alpha,6beta,7beta,7alpha)-	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-, (1alpha,2beta,2alpha,3beta,6beta,6alpha,7beta,7alpha)-	1 (0.454)
Dimethoate	10 (4.54)
3,3'-Dimethoxybenzidine	10 (4.54)
Dimethylamine	1000 (454)
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)
Dimethylcarbonyl 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)
12,4-Dimethylphenol	100 (45.4)
Dimethyl phthalate	5000 (2270)
Dimethyl sulfate	100 (45.4)
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	
2,4-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)
Diphosphoramide, octamethyl-	100 (45.4)
Diphosphoric acid, tetraethyl ester	10 (4.54)
Dipropylamine	5000 (2270)
Di-n-propylnitrosamine	10 (4.54)
Diquat	1000 (454)
Disulfoton	1 (0.454)
Dithiobiuret	100 (45.4)
Diuron	100 (45.4)
Dodecylbenzenesulfonic acid	1000 (454)
2,4-D, salts and esters	100 (45.4)
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, & metabolites	1 (0.454)
Endrin aldehyde	1 (0.454)
Epichlorohydrin	100 (45.4)
Epinephrine	1000 (454)
1,2-Epoxybutane	100 (45.4)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Ethanal	1000 (454)
Ethanamine, N-ethyl-N-nitroso-	1 (0.454)
Ethane, 1,2-dibromo-	1 (0.454)
Ethane, 1,1-dichloro-	1000 (454)
Ethane, 1,2-dichloro-	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)
Ethane, 1,1,2-trichloro-	100 (45.4)
Ethane, 1,1,1-trichloro-	1000 (454)
1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienyl-methyl)-	5000 (2270)
Ethanedinitrile	100 (45.4)
Ethanenitrile	5000 (2270)
Ethanethioamide	10 (4.54)
Ethanimidiothioic acid, N-[[[(methylamino)carbonyl] oxy]-, methyl ester	100 (45.4)
Ethanol, 2-ethoxy-	1000 (454)
Ethanol, 2,2'-(nitrosoimino)bis-	1 (0.454)
Ethanone, 1-phenyl-	5000 (2270)
Ethanoyl chloride	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 (Urethan)	100 (45.4)
Ethyl chloride @	100 (45.4)
Ethyl cyanide	10 (4.54)
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)
Ethylenebisdithiocarbamic acid	5000 (2270)
Ethylenebisdithiocarbamic acid, salts and esters	5000 (2270)
Ethylenediamine	5000 (2270)
Ethylenediamine tetraacetic acid (EDTA)	5000 (2270)
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)
Ethyl methyl ketone @	5000 (2270)
Famphurdimethylester	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)
Formic acid	5000 (2270)
Fulminic acid, mercury(2+)/salt	10 (4.54)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Fumaric acid	5000 (2270)
Furan	100 (45.4)
Furan, tetrahydro-	1000 (454)
2-Furancarboxaldehyde	5000 (2270)
2,5-Furandione	5000 (2270)
Furfural	5000 (2270)
Furfuran	100 (45.4)
Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-	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)
Hexachlorocyclohexane (gamma isomer)	1 (0.454)
Hexachlorocyclopentadiene	10 (4.54)
Hexachloroethane	100 (45.4)
1,2,3,4,10-10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo,exo-dimethanonaphthalene	1 (0.454)
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)
Hydrazine	1 (0.454)
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)
Hydrazinecarbothioamide	100 (45.4)
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	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)
1,3-Isobenzofurandione	5000 (2270)
Isobutyl alcohol	5000 (2270)
Isodrin	1 (0.454)
Isophorone	5000 (2270)
Isoprene	100 (45.4)
Isopropanolamine dodecylbenzene sulfonate	1000 (454)
Isosafrole	100 (45.4)
3(2H)-Isoxazolone, 5-(aminomethyl)-	1000 (454)
Keponedecachloroc-tahydro-	1 (0.454)
Lasiocarpine	10 (4.54)
Lead c	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)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilo-grams)
Lead thiocyanate	10 (4.54)
Lindane	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)
MDI	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)
Methane, tetrachloro-	10 (4.54)
Methane, tetranitro-	10 (4.54)
Methane, tribromo-	100 (45.4)
Methane, trichloro-	10 (4.54)
Methane, trichlorofluoro-	5000 (2270)
Methanesulfonyl chloride, trichloro-	100 (45.4)
Methanesulfonic acid, ethyl ester	1 (0.454)
Methanethiol	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)
Methanoic acid	5000 (2270)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-a,4,7,7a-tetrahydro-	1 (0.454)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-	1 (0.454)
Methanol	5000 (2270)
Methapyrilene	5000 (2270)
1,3,4-Metheno-2H-cyclobutal[cd]-pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-	1 (0.454)
Methomyl	100 (45.4)
Methoxychlor	1 (0.454)
Methyl alcohol	5000 (2270)
Methylamine @	100 (45.4)
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)
Methylchloromethyl ether @	1 (0.454)
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)
Methylene oxide	100 (45.4)
Methyl ethyl ketone (MEK)	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)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
2-Methylacetonitrile	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)
Methylthiouacil	10 (4.54)
Mevinphos	10 (4.54)
Mexacarbate	1000 (454)
Mitomycin C	10 (4.54)
MNNG	10 (4.54)
Monoethylamine	100 (45.4)
Monomethylamine	100 (45.4)
Muscimol	1000 (454)
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)
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)
Naphthenic acid	100 (45.4)
1,4-Naphthoquinone	5000 (2270)
alpha-Naphthylamine	100 (45.4)
beta-Naphthylamine	1 (0.454)
1-Naphthylamine	100 (45.4)
2-Naphthylamine	1 (0.454)
alpha-Naphthylthiourea	100 (45.4)
Nickel c	100 (45.4)
Nickel ammonium sulfate	100 (45.4)
Nickel carbonyl	10 (4.54)
Nickel carbonyl Ni(CO)4,(T-4)-	10 (4.54)
Nickel chloride	100 (45.4)
Nickel cyanide	10 (4.54)
Nickel cyanide Ni(CN)2	10 (4.54)
Nickel hydroxide	10 (4.54)
Nickel nitrate	100 (45.4)
Nickel sulfate	100 (45.4)
Nicotine and salts	100 (45.4)
Nitric acid	1000 (454)
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 NO2	10 (4.54)
Nitroglycerine	10 (4.54)
Nitrophenol (mixed)	100 (45.4)
m-	
o-	
p-	
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)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilo-grams)
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 OsO4 (T-4)	1000 (454)
Osmium tetroxide	1000 (454)
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	1000 (454)
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)
Paraformaldehyde	1000 (454)
Paraldehyde	1000 (454)
Parathion	10 (4.54)
Pentachlorobenzene	10 (4.54)
Pentachloroethane	10 (4.54)
Pentachloronitrobenzene (PCNB)	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, 2,4-dinitro-	10 (4.54)
Phenol, methyl-	100 (45.4)
Phenol, 2-methyl-4,6-dinitro-	10 (4.54)
Phenol, 2,2'-methylenebis[3,4,6-trichloro-	100 (45.4)
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)
1,10-(1,2-Phenylene)pyrene	100 (45.4)
Phenyl mercaptan @	100 (45.4)
Phenylmercuric 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)
Phosphorofluoric 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,O-dimethyl O-(4-nitrophenyl) ester	100 (45.4)
Phosphorothioic acid, O,[4-[(dimethylamino)sulfonyl] phenyl] O,O-dimethyl ester	1000 (454)
Phosphorus	1 (0.454)
Phosphorus oxychloride	1000 (454)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Phosphorus pentasulfide	100 (45.4)
Phosphorus sulfide	100 (45.4)
Phosphorus trichloride	1000 (454)
Phthalic anhydride	5000 (2270)
2-Picoline	5000 (2270)
Piperidine, 1-nitroso-	10 (4.54)
Plumbane, tetraethyl-	10 (4.54)
POLYCHLORINATED BIPHENYLS (PCBs)	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	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)
Pronamide	5000 (2270)
Propanal, 2-methyl-2-(methylthio)-,O-[(methylamino)carbonyl]oxime	1 (0.454)
1-Propanamine	5000 (2270)
1-Propanamine, N-nitroso-N-propyl-	10 (4.54)
1-Propanamine, N-propyl-	5000 (2270)
Propane, 1,2-dibromo-3-chloro-	1 (0.454)
Propane, 1,2-dichloro-	1000 (454)
Propane, 2-nitro-	10 (4.54)
Propane, 2,2'-oxybis [2-chloro-	1000 (454)
1,3-Propane sultone	10 (4.54)
Propanedinitrile	1000 (454)
Propanenitrile	10 (4.54)
Propanenitrile, 3-chloro-	1000 (454)
Propanenitrile, 2-hydroxy-2-methyl-	10 (4.54)
1,2,3-Propanetriol, trinitrate-	10 (4.54)
1-Propanol, 2,3-dibromo-, phosphate (3:1)	10 (4.54)
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)
beta-Propioaldehyde	1000 (454)
Propionic acid	5000 (2270)
Propionic acid, 2-(2,4,5-trichlorophenoxy)-	100 (45.4)
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)
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)	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)
Quinoline	5000 (2270)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
RADIONUCLIDES	
Reserpine	See table 2
Resorcinol	5000 (2270)
Saccharin and salts	5000 (2270)
Safrole	100 (45.4)
Selenious acid	100 (45.4)
Selenious acid, dithallium(1+) salt	10 (4.54)
Selenium c	1000 (454)
Selenium dioxide	100 (45.4)
Selenium oxide	10 (4.54)
Selenium sulfide	10 (4.54)
Selenium sulfide SeS2	10 (4.54)
Selenourea	1000 (454)
L-Serine, diazoacetate (ester)	1 (0.454)
Silver c	1000 (454)
Silver cyanide	1 (0.454)
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	10 (4.54)
Sodium cyanide Na(CN)	10 (4.54)
Sodium dodecylbenzene sulfonate	1000 (454)
Sodium fluoride	1000 (454)
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	10 (4.54)
Strychnidin-10-one, 2,3-dimethoxy-	100 (45.4)
Strychnine and salts	10 (4.54)
Styrene	1000 (454)
Styrene oxide	100 (45.4)
Sulfur chloride @	1000 (454)
Sulfur monochloride	1000 (454)
Sulfur phosphide	100 (45.4)
Sulfuric acid	1000 (454)
Sulfuric acid, dimethyl ester	100 (45.4)
Sulfuric acid, dithallium(1+) salt	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)
TDE	1 (0.454)
1,2,4,5-Tetrachlorobenzene	5000 (2270)
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1 (0.454)
1,1,1,2-Tetrachloroethane	100 (45.4)
1,1,2,2-Tetrachloroethane	100 (45.4)
Tetrachloroethane @	100 (45.4)
Tetrachloroethene	100 (45.4)
Tetrachloroethylene	100 (45.4)
2,3,4,6-Tetrachlorophenol	10 (4.54)
Tetraethyl lead	10 (4.54)
Tetraethyl pyrophosphate	10 (4.54)
Tetraethylthiopyrophosphate	100 (45.4)
Tetrahydrofuran	1000 (454)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Tetranitromethane	10 (4.54)
Tetraphosphoric acid, hexaethyl ester	100 (45.4)
Thallic oxide	100 (45.4)
Thallium c	1000 (454)
Thallium(I) acetate	100 (45.4)
Thallium(I) carbonate	100 (45.4)
Thallium(I) chloride	100 (45.4)
Thallium chloride TlCl	100 (45.4)
Thallium(I) nitrate	100 (45.4)
Thallium oxide T1203	100 (45.4)
Thallium selenite	1000 (454)
Thallium(I) sulfate	100 (45.4)
Thioacetamide	10 (4.54)
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)
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)
Titanium tetrachloride	1000 (454)
Toluene	1000 (454)
Toluenediamine	10 (4.54)
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 acid esters	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)
Trichloroethene	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	
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	
3,4,5-Trichlorophenol	
2,4,5-Trichlorophenol	10 (4.54)
2,4,6-Trichlorophenol	10 (4.54)
Triethanolamine dodecylbenzene sulfonate	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)
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)
Vanadic acid, ammonium salt	1000 (454)
Vanadium oxide V ₂ O ₅	1000 (454)
Vanadium pentoxide	1000 (454)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
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, when present at concentrations greater than 0.3%	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	1000 (454)
Zinc acetate	1000 (454)
Zinc ammonium chloride	1000 (454)
Zinc borate	1000 (454)
Zinc bromide	1000 (454)
Zinc carbonate	1000 (454)
Zinc chloride	1000 (454)
Zinc cyanide	10 (4.54)
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	100 (45.4)
Zinc phosphide Zn ₃ P ₂ , when present at concentrations greater than 10%	100 (45.4)
Zinc silicofluoride	5000 (2270)
Zinc sulfate	1000 (454)
Zirconium nitrate	5000 (2270)
Zirconium potassium fluoride	1000 (454)
Zirconium sulfate	5000 (2270)
Zirconium tetrachloride	5000 (2270)
D001 Unlisted Hazardous Wastes Characteristic of Ignitability	100 (45.4)
D002 Unlisted Hazardous Wastes Characteristic of Corrosivity	100 (45.4)
D003 Unlisted Hazardous Wastes Characteristic of Reactivity	100 (45.4)
D004-D043 Unlisted Hazardous Wastes Characteristic of Toxicity	
D004 Arsenic	1 (0.454)
D005 Barium	1000 (454)
D006 Cadmium	10 (4.54)
D007 Chromium	10 (4.54)
D008 Lead	10 (4.54)
D009 Mercury	1 (0.454)
D010 Selenium	10 (4.54)
D011 Silver	1 (0.454)
D012 Endrin	1 (0.454)
D013 Lindane	1 (0.454)
D014 Methoxychlor	1 (0.454)
D015 Toxaphene	1 (0.454)
D016 2,4-D	100 (45.4)
D017 2,4,5-TP	100 (45.4)
D018 Benzene	10 (4.54)
D019 Carbon tetrachloride	10 (4.54)
D020 Chlordane	1 (0.454)
D021 Chlorobenzene	100 (45.4)
D022 Chloroform	10 (4.54)
D023 o-Cresol	100 (45.4)
D024 m-Cresol	100 (45.4)
D025 p-Cresol	100 (45.4)
D026 Cresol	100 (45.4)
D027 1,4-Dichlorobenzene	100 (45.4)
D028 1,2-Dichloroethane	100 (45.4)
D029 1,1-Dichloroethylene	100 (45.4)
D030 2,4-Dinitrotoluene	10 (4.54)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilo-grams)
D031 Heptachlor (and hydroxide)	1 (0.454)
D032 Hexachlorobenzene	10 (4.54)
D033 Hexachlorobutadiene	1 (0.454)
D034 Hexachloroethane	100 (45.4)
D035 Methyl ethyl ketone	5000 (2270)
D036 Nitrobenzene	1000 (454)
D037 Pentachlorophenol	10 (4.54)
D038 Pyridine	1000 (454)
D039 Tetrachloroethylene	100 (45.4)
D040 Trichloroethylene	100 (45.4)
D041 2,4,5-Trichlorophenol	10 (4.54)
D042 2,4,6-Trichlorophenol	10 (4.54)
D043 Vinyl chloride	1 (0.454)
F001	
The following spent halogenated solvents used in degreasing; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the below listed halogenated solvents or those solvents listed in F002, F004 and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures	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	
The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the below listed halogenated solvents or those listed in F001, F004, F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.	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)
(i) 1,1,2 Trichloroethane	100 (45.4)
F003	
The following spent non-halogenated solvents and solvents:	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)
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:	
(a) Cresols/Cresylic acid	1000 (454)
(b) Nitrobenzene	100 (45.4)
F005	
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:	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	
Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum, (2) tin plating on carbon steel, (3) zinc plating (segregated basis) on carbonsteel, (4) aluminum or zinc-aluminum plating on carbon steel, (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel, and (6) chemical etching and milling of aluminum	10 (4.54)
F007	
Spent cyanide plating bath solutions from electroplating operations	10 (4.54)
F008	
Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process	10 (4.54)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
F009 Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process	10 (4.54)
F010 Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process	10 (4.54)
F011 Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations (except for precious metals heat treating spent cyanide solutions from salt bath pot cleaning)	10 (4.54)
F012 Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process	10 (4.54)
F019 Wastewater treatment sludges from the chemical conversion coating of aluminum—except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process	10 (4.54)
F020 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.)	1 (0.454)
F021 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives.	1 (0.454)
F022 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.	1 (0.454)
F023 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.)	1 (0.454)
F024 Wastes, including but not limited to distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of chlorinated aliphatic hydrocarbons, having carbon content from one to five, utilizing free radical catalyzed processes. (This listing does not include light ends, spent filters and filter aids, spent desiccants(sic), wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in 40 CFR 261.32.)	1 (0.454)
F025 Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution	1 (0.454)
F026 Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.	1 (0.454)
F027 Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.)	1 (0.454)
F028 Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027.	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)
Multi source leachate	1 (0.454)
K001	1 (0.454)
Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol	1 (0.454)
K002	1 (0.454)
Wastewater treatment sludge from the production of chrome yellow and orange pigments	10 (4.54)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
K003 Wastewater treatment sludge from the production of molybdate orange pigments	10 (4.54)
K004 Wastewater treatment sludge from the production of zinc yellow pigments	10 (4.54)
K005 Wastewater treatment sludge from the production of chrome green pigments	10 (4.54)
K006 Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated)	10 (4.54)
K007 Wastewater treatment sludge from the production of iron blue pigments	10 (4.54)
K008 Oven residue from the production of chrome oxide green pigments	10 (4.54)
K009 Distillation bottoms from the production of acetaldehyde from ethylene	10 (4.54)
K010 Distillation side cuts from the production of acetaldehyde from ethylene	10 (4.54)
K011 Bottom stream from the wastewater stripper in the production of acrylonitrile	10 (4.54)
K013 Bottom stream from the acetonitrile column in the production of acrylonitrile	10 (4.54)
K014 Bottoms from the acetonitrile purification column in the production of acrylonitrile	5000 (2270)
K015 Still bottoms from the distillation of benzyl chloride	10 (4.54)
K016 Heavy ends or distillation residues from the production of carbon tetrachloride	1 (0.454)
K017 Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin	10 (4.54)
K018 Heavy ends from the fractionation column in ethyl chloride production	1 (0.454)
K019 Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production	1 (0.454)
K020 Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production	1 (0.454)
K021 Aqueous spent antimony catalyst waste from fluoromethanes production	10 (4.54)
K022 Distillation bottom tars from the production of phenol/acetone from cumene	1 (0.454)
K023 Distillation light ends from the production of phthalic anhydride from naphthalene	5000 (2270)
K024 Distillation bottoms from the production of phthalic anhydride from naphthalene	5000 (2270)
K025 Distillation bottoms from the production of nitrobenzene by the nitration of benzene	10 (4.54)
K026 Stripping still tails from the production of methyl ethyl pyridines	1000 (454)
K027 Centrifuge and distillation residues from toluene diisocyanate production	10 (4.54)
K028 Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane	1 (0.454)
K029 Waste from the product steam stripper in the production of 1,1,1-trichloroethane	1 (0.454)
K030 Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene	1 (0.454)
K031 By-product salts generated in the production of MSMA and cacodylic acid	1 (0.454)
K032 Wastewater treatment sludge from the production of chlordane	10 (4.54)
K033 Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane	10 (4.54)
K034 Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane	10 (4.54)
K035 Wastewater treatment sludges generated in the production of creosote	1 (0.454)
K036 Still bottoms from toluene reclamation distillation in the production of disulfoton	1 (0.454)
K037 Wastewater treatment sludges from the production of disulfoton	1 (0.454)
K038 Wastewater from the washing and stripping of phorate production	10 (4.54)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
K039 Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate	10 (4.54)
K040 Wastewater treatment sludge from the production of phorate	10 (4.54)
K041 Wastewater treatment sludge from the production of toxaphene	1 (0.454)
K042 Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T	10 (4.54)
K043 2,6-dichlorophenol waste from the production of 2,4-D	10 (4.54)
K044 Wastewater treatment sludges from the manufacturing and processing of explosives	10 (4.54)
K045 Spent carbon from the treatment of wastewater containing explosives	10 (4.54)
K046 Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds	10 (4.54)
K047 Pink/red water from TNT operations	10 (4.54)
K048 Dissolved air flotation (DAF) float from the petroleum refining industry	10 (4.54)
K049 Slop oil emulsion solids from the petroleum refining industry	10 (4.54)
K050 Heat exchanger bundle cleaning sludge from the petroleum refining industry	10 (4.54)
K051 API separator sludge from the petroleum refining industry	10 (4.54)
K052 Tank bottoms (leaded) from the petroleum refining industry	10 (4.54)
K060 Ammonia still lime sludge from coking operations	1 (0.454)
K061 Emission control dust/sludge from the primary production of steel in electric furnaces	10 (4.54)
K062 Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry	10 (4.54)
K064 Acid plant blowdown slurry/sludge resulting from thickening of blowdown slurry from primary copper production.	10 (4.54)
K065 Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.	10 (4.54)
K066 Sludge from treatment of process wastewater and /or acid plant blowdown from primary zinc production.	10 (4.54)
K069 Emission control dust/sludge from secondary lead smelting	10 (4.54)
K071 Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used	1 (0.454)
K073 Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.	10 (4.54)
K083 Distillation bottoms from aniline extraction	100 (45.4)
K084 Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	1 (0.454)
K085 Distillation or fractionation column bottoms from the production of chlorobenzenes	10 (4.54)
K086 Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead	10 (4.54)
K087 Decanter tank tar sludge from coking operations	100 (45.4)
K088 Spent potliners from primary aluminum reduction.	10 (4.54)
K090 Emission control dust or sludge from ferrochromiumsilicon production.	10 (4.54)
K091 Emission control dust or sludge from ferrochromium production.	10 (4.54)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
K093 Distillation light ends from the production of phthalic anhydride from ortho-xylene	5000 (2270)
K094 Distillation bottoms from the production of phthalic anhydride from ortho-xylene	5000 (2270)
K095 Distillation bottoms from the production of 1,1,1-trichloroethane	100 (45.4)
K096 Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane	100 (45.4)
K097 Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane	1 (0.454)
K098 Untreated process wastewater from the production of toxaphene	1 (0.454)
K099 Untreated wastewater from the production of 2,4-D	10 (4.54)
K100 Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting	10 (4.54)
K101 Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	1 (0.454)
K102 Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	1 (0.454)
K103 Process residues from aniline extraction from the production of aniline	100 (45.4)
K104 Combined wastewater streams generated from nitrobenzene/aniline chlorobenzenes	10 (4.54)
K105 Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes	10 (4.54)
K106 Wastewater treatment sludge from the mercury cell process in chlorine production	1 (0.454)
K107 Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazines	10 (4.54)
K108 Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides	10 (4.54)
K109 Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides	10 (4.54)
K110 Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazines (UDMH) from carboxylic acid hydrazides	10 (4.54)
K111 Product washwaters from the production of dinitrotoluene via nitration of toluene	10 (4.54)
K112 Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene	10 (4.54)
K113 Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	10 (4.54)
K114 Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	10 (4.54)
K115 Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	10 (4.54)
K116 Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine	10 (4.54)
K117 Wastewater from the reaction vent gas scrubber in the production of ethylene bromide via bromination of ethene	1 (0.454)
K118 Spent absorbent solids from purification of ethylene dibromide in the production of ethylene dibromide	1 (0.454)
K123 Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts	10 (4.54)
K124 Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts	10 (4.54)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
K125 Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.	10 (4.54)
K126 Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.	10 (4.54)
K131 Waste water from the reactor and spent sulfuric acid from the acid dryer in the production of methyl bromide	100 (45.4)
K132 Spent absorbent and wastewater solids from the production of methyl bromide	1000 (454)
K136 Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	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	1 (0.454)
K157	1 (0.454)
K158	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	1 (0.454)

Footnotes:
 c The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches)
 cc The RQ for asbestos is limited to friable forms only
 @ Indicates that the name was added by RSPA 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.

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)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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)
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)

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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 (3.7)
Argon-39	18	1000 (3.7)
Argon-41	18	10 (.37)
Arsenic-69	33	1000 (3.7)
Arsenic-70	33	100 (3.7)
Arsenic-71	33	100 (3.7)
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 (3.7)
Arsenic-78	33	100 (3.7)
Astatine-207	85	100 (3.7)
Astatine-211	85	100 (3.7)
Barium-126	56	1000 (3.7)
Barium-128	56	10 (.37)
Barium-131	56	10 (.37)
Barium-131m	56	1000 (3.7)
Barium-133	56	10 (.37)
Barium-133m	56	100 (3.7)
Barium-135m	56	1000 (3.7)
Barium-139	56	1000 (3.7)
Barium-140	56	10 (.37)
Barium-141	56	1000 (3.7)
Barium-142	56	1000 (3.7)
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 (3.7)
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 (3.7)
Bromine-80m	35	1000 (3.7)
Bromine-82	35	10 (.37)
Bromine-83	35	1000 (3.7)
Bromine-84	35	100 (3.7)
Cadmium-104	48	1000 (3.7)
Cadmium-107	48	1000 (3.7)
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)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Calcium-41	20	10 (.37)
Calcium-45	20	10 (.37)
Calcium-47	20	10 (.37)
Californium-244	98	1000 (3.7)
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)
Californium-254	98	0.1 (.0037)
Carbon-11	6	1000 (3.7)
Carbon-14	6	10 (.37)
Cerium-134	58	10 (.37)
Cerium-135	58	10 (.37)
Cerium-137	58	1000 (3.7)
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 (3.7)
Cesium-127	55	100 (3.7)
Cesium-129	55	100 (3.7)
Cesium-130	55	1000 (3.7)
Cesium-131	55	1000 (3.7)
Cesium-132	55	10 (.37)
Cesium-134	55	1 (.037)
Cesium-134m	55	1000 (3.7)
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 (3.7)
Chromium-51	24	1000 (3.7)
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 (3.7)
Cobalt-60	27	10 (.37)
Cobalt-60m	27	1000 (3.7)
Cobalt-61	27	1000 (3.7)
Cobalt-62m	27	1000 (3.7)
Copper-60	29	100 (3.7)
Copper-61	29	100 (3.7)
Copper-64	29	1000 (3.7)
Copper-67	29	100 (3.7)
Curium-238	96	1000 (3.7)
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 (.000037)
Curium-249	96	1000 (3.7)
Dysprosium-155	66	100 (3.7)
Dysprosium-157	66	100 (3.7)
Dysprosium-159	66	100 (3.7)

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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)
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)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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)
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)

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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)
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)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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)
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)

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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)
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)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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)
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)

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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)
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)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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)
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 (.000037)
Thorium-230	90	0.01 (.00037)
Thorium-231	90	100 (3.7)
Thorium-232 **	90	0.001 (.000037)
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)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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)
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 RSPA 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.

[Amdt. 172–122, 55 FR 46798, Nov. 7, 1990]

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

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 2.10 of the IMDG Code, “Guidelines for the Identification of Harmful Substances in Packaged Form” (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 listed in this appendix does not meet the criteria for a marine pollutant as provided in Chapter 2.10 of the IMDG Code, “Guidelines for the Identification of

Harmful Substances in Packaged Form” (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
	Acraldehyde, inhibited
	Acrolein, inhibited
	Acrolein, stabilized
	Acrylic aldehyde, inhibited
	Alcohol C-12 - C-16 poly(1-6) ethoxylate
	Alcohol C-13 - C-15 poly(1-6) ethoxylate
	Alcohol C-6 - C-17 (secondary)poly(3-6) ethoxylate
	Aldicarb
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
PP	N,N-Bis (2-hydroxyethyl) oleamide (LOA)
PP	Brodifacoum
	Bromine cyanide
	Bromoacetone
	Bromoallylene
	Bromobenzene
	ortho-Bromobenzyl cyanide
	Bromocyane
	Bromoform
PP	Bromophos-ethyl
	3-Bromopropene
	Bromoxnyl
	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
	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	Camphchlor
	Carbaryl
	Carbendazim
	Carbofuran
	Carbon tetrabromide
	Carbon tetrachloride

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
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
	1-Chlorohexane
	Chloronitroanilines
	Chloronitrotoluenes, liquid
	Chloronitrotoluenes, solid
	1-Chlorooctane
PP	Chlorophenolates, liquid
PP	Chlorophenolates, solid
	Chlorophenyltrichlorosilane
	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
	Croxyphos
	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
	Decycloxytetrahydrothiophene dioxide
	DEF
	Desmedipham
	Di-allate
	Di-n-Butyl phthalate
PP	Dialifos

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LIST OF MARINE POLLUTANTS—Continued

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	4,4'-Diaminodiphenylmethane
	Diazinon
PP	1,3-Dibromobenzene
PP	Dichlofenthion
	Dichloroanilines
	1,3-Dichlorobenzene
	1,2-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
	Diisopropylbenzenes
	Diisopropylnaphthalenes, mixed isomers
PP	Dimethoate
PP	N,N-Dimethyldodecylamine
	Dimethylhydrazine, symmetrical
	Dimethylhydrazine, unsymmetrical
	Dinitro-o-cresol, <i>solid</i>
	Dinitro-o-cresol, <i>solution</i>
	Dinitrochlorobenzenes, liquid or solid
	Dinitrophenol, <i>dry or wetted with less than 15 per cent water, by mass</i>
	Dinitrophenol solutions
	Dinitrophenol, <i>wetted with not less than 15 per cent water, by mass</i>
	Dinitrophenolates <i>alkali metals, dry or wetted with less than 15 per cent water, by mass</i>
	Dinitrophenolates, <i>wetted with not less than 15 per cent water, by mass</i>
	Dinobuton
	Dinoseb
	Dinoseb acetate
	Dioxacarb
	Dioxathion
	Dipentene
	Diphacinone
	Diphenyl
	Diphenyl oxide and biphenyl phenyl ether mixtures
PP	Diphenylamine chloroarsine
PP	Diphenylchloroarsine, <i>solid or liquid</i>
	Disulfoton
	1,4-Di-tert-butylbenzene
	DNOC
	DNOC (pesticide)
PP	Dodecyl diphenyl oxide disulphonate
	Dodecyl hydroxypropyl sulfide
	1-Dodecylamine
PP	Dodecylphenol
	Drazoxolon
	Edifenphos
PP	Endosulfan
PP	Endrin
	Epibromohydrin
	Epichlorohydrin
PP	EPN
PP	Esfenvalerate
PP	Ethion
	Ethoprophos
	Ethyl fluid
	Ethyl mercaptan
	2-Ethylhexyl nitrate
	5-Ethyl-2-picoline
	Ethyl propenoate, inhibited

S.M.P. (1)	Marine pollutant (2)
	2-Ethyl-3-propylacrolein
	Ethyl tetraphosphate
	Ethylchloroarsine
	Ethylene dibromide and methyl bromide mixtures, liquid
	2-Ethylhexaldehyde
	Fenamiphos
PP	Fenbutatin oxide
PP	Fenchlorazole-ethyl
PP	Fenitrothion
PP	Fenoxapro-ethyl
PP	Fenoxaprop-P-ethyl
PP	Fenprophathrin
	Fensulfthion
	Fenthion
PP	Fentin acetate
PP	Fentin hydroxide
PP	Ferric arsenate
	Ferric arsenite
	Ferrous arsenate
	Fonofos
PP	Formetanate
	Furathiocarb (ISO)
PP	gamma-BHC
	Gasoline, leaded
PP	Heptachlor
	Heptenophos
	n-Heptaldehyde
	n-Heptylbenzene
	normal-Heptyl chloride
	Hexachlorobutadiene
PP	1,3-Hexachlorobutadiene
	Hexaethyl tetraphosphate <i>liquid</i>
	Hexaethyl tetraphosphate, <i>solid</i>
	normal-Hexyl chloride
	n-Hexylbenzene
	Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water
	Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water and absorbed in a porous inert material
	Hydrocyanic acid, aqueous solutions <i>not more than 20% hydrocyanic acid</i>
	Hydrogen cyanide solution in alcohol, <i>with not more than 45% hydrogen cyanide</i>
	Hydrogen cyanide, stabilized <i>with less than 3% water</i>
	Hydrogen cyanide, stabilized <i>with less than 3% water and absorbed in a porous inert material</i>
	Hydroxydimethylbenzenes, liquid or solid
	Ioxynil
	Isoamyl mercaptan
	Isobenzan
	Isobutyl butyrate
	Isobutylbenzene
	Isodecyl acrylate
	Isodecyl diphenyl phosphate
	Isofenphos
	Isooctyl nitrate
	Isoproc carb
	Isopropenylbenzene
	Isotetramethylbenzene
PP	Isoxathion
	Lead acetate
	Lead arsenates
	Lead arsenites
	Lead compounds, soluble, n.o.s.
	Lead cyanide
	Lead nitrate
	Lead perchlorate, solid or solution
	Lead tetraethyl

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LIST OF MARINE POLLUTANTS—Continued		LIST OF MARINE POLLUTANTS—Continued	
S.M.P. (1)	Marine pollutant (2)	S.M.P. (1)	Marine pollutant (2)
PP	Lead tetramethyl		Methanethiol
	Lindane		Methodathion
	Linuron		Methomyl
	London Purple		ortho-Methoxyaniline
	Magnesium arsenate		Methyl bromide and ethylene dibromide mixtures, liq- uid
	Malathion		Methyl mercaptan
	Mancozeb (ISO)		3-Methylacroleine, stabilized
	Maneb		Methylchlorobenzenes
	Maneb preparations with not less than 60% maneb		Methylnitrophenols
	Maneb preparation, stabilized against self-heating		3-Methylpyridine
	Maneb stabilized or Maneb preparations, stabilized against self-heating		Methyltrithion
	Manganese ethylene-1,2-bis dithiocarbamate		Methylvinylbenzenes, inhibited
	Manganese ethylene-1,2-bis-dithiocarbamate, sta- bilized against self-heating	PP	Mevinphos
	Mecarbam		Mexacarbate
	Mephosfolan		Mirex
	Mercaptodimethur		Monocrotophos
PP	Mercuric acetate		Motor fuel anti-knock mixtures
PP	Mercuric ammonium chloride		Motor fuel anti-knock mixtures or compounds
PP	Mercuric arsenate		Nabam
PP	Mercuric benzoate	PP	Naled
PP	Mercuric bisulphate	PP	Nickel carbonyl
PP	Mercuric bromide	PP	Nickel cyanide
PP	Mercuric chloride	PP	Nickel tetracarbonyl
PP	Mercuric cyanide		3-Nitro-4-chlorobenzotrifluoride
PP	Mercuric gluconate		Nitrobenzene
	Mercuric iodide		Nitrobenzotrifluorides, liquid or solid
PP	Mercuric nitrate		Nonylphenol
PP	Mercuric oleate		normal-Octaldehyde
PP	Mercuric oxide	PP	Oleylamine
PP	Mercuric oxycyanide, desensitized	PP	Organotin compounds, liquid, n.o.s.
PP	Mercuric potassium cyanide	PP	Organotin compounds (pesticides)
PP	Mercuric Sulphate	PP	Organotin compounds, solid, n.o.s.
PP	Mercuric thiocyanate	PP	Organotin pesticides, liquid, flammable, toxic, n.o.s., flash point less than 23deg C
PP	Mercuriol	PP	Organotin pesticides, liquid, toxic, flammable, n.o.s.
PP	Mercurous acetate	PP	Organotin pesticides, liquid, toxic, n.o.s.
PP	Mercurous bisulphate	PP	Organotin pesticides, solid, toxic, n.o.s.
PP	Mercurous bromide		Orthoarsenic acid
PP	Mercurous chloride	PP	Osmium tetroxide
PP	Mercurous nitrate		Oxamyl
PP	Mercurous salicylate		Oxydisulfoton
PP	Mercurous sulphate		Paraoxon
PP	Mercury acetates	PP	Parathion
PP	Mercury ammonium chloride	PP	Parathion-methyl
PP	Mercury based pesticide, liquid, flammable, toxic	PP	PCBs.
PP	Mercury based pesticides, liquid, toxic, flammable	PP	Pentachloroethane
PP	Mercury based pesticides, liquid, toxic		Pentachlorophenol
PP	Mercury based pesticides, solid, toxic		Pentalin
PP	Mercury benzoate		Pentanethiols
PP	Mercury bichloride		n-Pentylbenzene
PP	Mercury bisulphates		Perchloroethylene
PP	Mercury bromides		Perchloromethylmercaptan
PP	Mercury compounds, liquid, n.o.s.		Petrol, leaded
PP	Mercury compounds, solid, n.o.s.	PP	Phenarsazine chloride
PP	Mercury cyanide	PP	d-Phenothrin
PP	Mercury gluconate	PP	Phenthoate
PP	Mercury (I) (mercurous) compounds (pesticides)		1-Phenylbutane
PP	Mercury (II) (mercuric) compounds (pesticides)		2-Phenylbutane
	Mercury iodide		Phenylcyclohexane
PP	Mercury nucleate	PP	Phenylmercuric acetate
PP	Mercury oleate	PP	Phenylmercuric compounds, n.o.s.
PP	Mercury oxide	PP	Phenylmercuric hydroxide
PP	Mercury oxycyanide, desensitized	PP	Phenylmercuric nitrate
PP	Mercury potassium cyanide		2-Phenylpropene
PP	Mercury potassium iodide	PP	Phorate
PP	Mercury salicylate	PP	Phosalone
PP	Mercury sulfates		Phosmet
PP	Mercury thiocyanate	PP	Phosphamidon
	Metam-sodium	PP	Phosphorus, white, molten
	Methamidophos	PP	Phosphorus, white or yellow dry or under water or in solution

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LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
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 liquid
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
PP	Pyrazophos
	Quinalphos
PP	Quizalofop
PP	Quizalofop-p-ethyl
	Rotenone
	Salthion
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
	Tetrachlorophenol
	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

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
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
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. 172–127, 57 FR 52935, Nov. 5, 1992]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting appendix B to §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