

## § 172.1

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## Subpart A—General

### § 172.1 Purpose and scope.

This part lists and classifies those materials which the Department has designated as hazardous materials for purposes of transportation and prescribes the requirements for shipping papers, package marking, labeling, and transport vehicle placarding applicable to the shipment and transportation of those hazardous materials.

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

### § 172.3 Applicability.

(a) This part applies to—

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

(b) When a person, other than one of those provided for in paragraph (a) of this section, performs a packaging labeling or marking function required by

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this part, that person shall perform the function in accordance with this part.

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

## Subpart B—Table of Hazardous Materials and Special Provisions

### § 172.101 Purpose and use of hazardous materials table.

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

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

(1) The plus (+) sign fixes the proper shipping name, hazard class and packing group for that entry without regard to whether the material meets the definition of that class, packing group or any other hazard class definition. When the plus sign is assigned to a proper shipping name in Column (1) of the § 172.101 Table, it means that the material is known to pose a risk to humans. When a plus sign is assigned to mixtures or solutions containing a material where the hazard to humans is significantly different from that of the pure material or where no hazard to humans is posed, the material may be described using an alternative shipping name that represents the hazards posed by the material. An appropriate alternate proper shipping name and hazard class may be authorized by the Associate Administrator.

(2) The letter “A” denotes a material that is subject to the requirements of this subchapter only when offered or intended for transportation by aircraft, unless the material is a hazardous substance or a hazardous waste. A shipping description entry preceded by an

“A” may be used to describe a material for other modes of transportation provided all applicable requirements for the entry are met.

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

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

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

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

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

(1) Proper shipping names may be used in the singular or plural and in either capital or lower case letters. Words may be alternatively spelled in the same manner as they appear in the ICAO Technical Instructions or the IMDG Code. For example “aluminum” may be spelled “aluminium” and “sulphur” may be spelled “sulfur”. 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 there is a choice of terms in the sequence that may alternately be used as the proper shipping name or as part of the proper shipping name, as appropriate. For example, for the hazardous materials description “Carbon dioxide, solid or Dry ice” either “Carbon dioxide, solid” or “Dry ice” may be used as the proper shipping name; and for the hazardous materials description “Articles, pressurized pneumatic or hydraulic,” either “Articles, pressurized pneumatic” or “Articles, pressurized hydraulic” may be used as the proper shipping name.

(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 single predominant hazardous material identified in the Table by technical name and one or more hazardous and/or non-hazardous material, must be described using the proper shipping name of the hazardous material and the qualifying word “mixture” or “solution”, as appropriate, unless—

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

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

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

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

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

hazard zone than that specified in the special provision; or

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

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

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

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

(i) Defining criteria in this subchapter;

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

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

(iv) In addition to paragraphs (c)(11)(i) through (iii) of this section,

for a sample of a material other than a waste, the following must be met:

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

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

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

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

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

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

(ii) *Generic or n.o.s. descriptions.* If an appropriate technical name is not shown in the Table, selection of a proper shipping name shall be made from the generic or n.o.s. descriptions corresponding to the specific hazard class, packing group, hazard zone, or subsidiary hazard, if any, for the material. The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as "Alcohol, n.o.s." rather than "Flam-

mable liquid, n.o.s.". Some mixtures may be more appropriately described according to their application, such as "Coating solution" or "Extracts, flavoring, liquid", rather than by an n.o.s. entry, such as "Flammable liquid, n.o.s." It should be noted, however, that an n.o.s. description as a proper shipping name may not provide sufficient information for shipping papers and package markings. Under the provisions of subparts C and D of this part, the technical name of one or more constituents which makes the product a hazardous material may be required in association with the proper shipping name.

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

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

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

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

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

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

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

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

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

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

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

(e) *Column 4: Identification number.* Column 4 lists the identification number assigned to each proper shipping

name. Those preceded by the letters “UN” are associated with proper shipping names considered appropriate for international transportation as well as domestic transportation. Those preceded by the letters “NA” are associated with proper shipping names not recognized for international transportation, except to and from Canada. Identification numbers in the “NA9000” series are associated with proper shipping names not appropriately covered by international hazardous materials (dangerous goods) transportation standards, or not appropriately addressed by international transportation standards for emergency response information purposes, except for transportation between the United States and Canada. Those preceded by the letters “ID” are associated with proper shipping names recognized by the ICAO Technical Instructions (IBR, see §171.7 of this subchapter).

(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 <sup>1</sup>	Explosive 1.1 <sup>1</sup>
1.2 <sup>1</sup>	Explosive 1.2 <sup>1</sup>
1.3 <sup>1</sup>	Explosive 1.3 <sup>1</sup>
1.4 <sup>1</sup>	Explosive 1.4 <sup>1</sup>
1.5 <sup>1</sup>	Explosive 1.5 <sup>1</sup>
1.6 <sup>1</sup>	Explosive 1.6 <sup>1</sup>
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	Dangerously 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) <sup>2</sup> .	Poison
6.2	Infectious substance
7	Radioactive
8	Corrosive
9	Class 9

<sup>1</sup> Refers to the appropriate compatibility group letter.  
<sup>2</sup> 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. For example, the entry “202” in Column 8B associated with the proper shipping name “Gasoline” indicates that for this material conformance to non-bulk packaging requirements prescribed in §173.202 of this subchapter is required. When packaging requirements are specified, they are in addition to the standard requirements for all packagings prescribed in §173.24 of this subchapter and any other applicable requirements in subparts A and B of part 173 of this subchapter.

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

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

(3) *Bulk packaging.* Column (8C) specifies the section in part 173 of this subchapter that prescribes packaging requirements for bulk packagings, subject to the limitations, requirements, and additional authorizations of Columns (7) and (8B). A “None” in Column (8C) means bulk packagings are not authorized, except as may be provided by special provisions in Column (7) and in packaging authorizations Column (8B).

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Additional authorizations and limitations for use of UN portable tanks are set forth in Column 7. For each reference in this column to a material that is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W” and that is offered for transportation or transported by a mode in which its transportation is not otherwise subject to the requirements of this subchapter:

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

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

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

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

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

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

(3) When articles or devices are specifically listed by name, the net quantity limitation applies to the entire article or device (less packaging and

packaging materials) rather than only to its hazardous components.

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

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

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

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

(2) Stowage category “B” means—  
 (i) The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and

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

(3) Stowage category “C” means the material must be stowed “on deck

only” on a cargo vessel and on a passenger vessel.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(18) Stowage category “13” means the material may be stowed “on deck” in closed cargo transport units or “under deck” in magazine stowage type “A” on a cargo vessel (up to 12 passengers) and “on deck” only in closed cargo transport units on a passenger vessel.

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

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



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but the material is prohibited on a passenger vessel.

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

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

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

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

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

§ 172.101 HAZARDOUS MATERIALS TABLE

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage			
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)		
A	Accelerene, see Nitrosodimethylaniline Accumulators, electric, see Batteries, wet etc Accumulators, pressurized, pneumatic or hydraulic (containing non-flammable gas) see Articles pressurized, pneumatic or hydraulic (containing non-flammable gas) Acetal Acetaldehyde Acetaldehyde ammonia Acetaldehyde oxime Acetic acid, glacial or Acetic acid solution, with more than 80 percent acid, by mass Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass Acetic acid solution, with more than 10 percent and less than 50 percent acid, by mass Acetic anhydride Acetone Acetone cyanohydrin, stabilized Acetone oils Acetonitrile Acetyl acetone peroxide with more than 9 percent by mass active oxygen Acetyl benzoyl peroxide, solid, or with more than 40 percent in solution Acetyl bromide Acetyl chloride	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	243	Forbidden	30 L	E		
		9	UN1841	III	9	IB8, IP3, IP7, T1, TP33	155	204	240	240	200 kg	200 kg	A	34	
		3	UN2332	III	3	B1, IB3, T4, TP1	150	203	242	242	60 L	220 L	A		
		8	UN2789	II	8, 3	A3, A6, A7, A10, B2, IB2, T7, TP2	154	202	243	243	1 L	30 L	A		
		8	UN2790	II	8	A3, A6, A7, A10, B2, IB2, T7, TP2	154	202	242	242	1 L	30 L	A		
		8	UN2790	III	8	IB3, T4, TP1	154	203	242	242	5 L	60 L	A		
		8	UN1715	II	8, 3	A3, A6, A7, A10, B2, IB2, T7, TP2	154	202	243	243	1 L	30 L	A	40	
		3	UN1090	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B		
		6.1	UN1541	I	6.1	2, B9, B14, B32, B76, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	244	Forbidden	Forbidden	D	25, 40, 52, 53	
		3	UN1091	II	3	IB2, T4, TP1, TP8	150	202	242	242	5 L	60 L	B		
		3	UN1648	II	3	IB2, T7, TP2	150	202	242	242	5 L	60 L	B	40	
		Forbidden	Forbidden	Forbidden	UN1716	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40
		3	UN1717	II	3, 8	A3, A6, A7, IB1, N34, T8, TP2	150	202	243	243	1 L	5 L	B	40	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	Acetyl cyclohexanesulfonyl peroxide, with more than 82 percent wetted with less than 12 percent water	Forbidden											
	Acetyl iodide	8	UN1898	II	8	B2, IB2, T7, TP2, TP13	154	202	242	1 L	30 L	C	40
	Acetyl methyl carbonyl	3	UN2621	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Acetyl peroxide, solid, or with more than 25 percent in solution	Forbidden											
	Acetylene, dissolved	2.1	UN1001		2.1	N86, N88	None	303	None	Forbidden	15 kg	D	25, 40, 57
	Acetylene (liquefied)	Forbidden											
	Acetylene silver nitrate	Forbidden											
	Acetylene, solvent free	Forbidden											
	Acetylene tetrabromide, see Tetrabromoethane	Forbidden											
	Acid butyl phosphate, see Butyl acid phosphate												
	Acid, sludge, see Sludge acid												
	Acridine	6.1	UN2713	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	Acroline dimer, stabilized	3	UN2607	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Acroline, stabilized	6.1	UN1092	I	6.1, 3	1, B9, B14, B30, B42, B77, T22, TP2, TP7, TP13, TP36, TP44	None	226	244	Forbidden	Forbidden	D	40
	Acrylamide, solid	6.1	UN2074	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	12
	Acrylamide solution	6.1	UN3426	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12
	Acrylic acid, stabilized	8	UN2218	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	C	25, 40
	Acrylonitrile, stabilized	3	UN1093	I	3, 6.1	B9, T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
	Actuating cartridge, explosive, see Cartridges, power device												
	Adhesives, containing a flammable liquid	3	UN1133	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	B	
				II	3	149, B52, IB2, T4, TP1, TP8	150	173	242	5 L	60 L	B	
	Adiponitrile	6.1	UN2205	III	3	B1, B52, IB3, T2, TP1	150	173	242	60 L	220 L	A	48, 87, 126
	Aerosols, poison, Packing Group III (each not exceeding 1 L capacity)	2.2	UN1950	III	6.1	IB3, T3, TP1	153	203	241	60 L	220 L	A	48, 87, 126
	Aerosols, flammable, (each not exceeding 1 L capacity)	2.1	UN1950	I	2.1	N82	306	None	None	75 kg	150 kg	A	48, 87, 126

I	Aerosols, flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)	2.1	UN1950	2.1	N82	304	None	Forbidden	150 kg	A	48, 87, 126
	Aerosols, non-flammable (each not exceeding 1 L capacity)	2.2	UN1950	2.2		None	None	75 kg	150 kg	A	48, 87, 126
	Aerosols, poison, (each not exceeding 1 L capacity)	2.2, 6.1	UN1950	2.2, 6.1		None	None	Forbidden	Forbidden	A	48, 87, 126
	Air bag inflators, or Air bag modules, or Seat-belt pretensioners.	1.4G	UN0503	II	161	62	None	Forbidden	75 kg	02	
	Air bag inflators, or Air bag modules, or Seat-belt pretensioners.	9	UN3268	III	160	166	166	25 kg	100 kg	A	
	Air, compressed	2.2	UN1002	2.2	78	306, 307	302	75 kg	150 kg	A	
	Air, refrigerated liquid, (cryogenic liquid)	2.2	UN1003	2.2, 5.1	T75, TP5, TP22	316	318, 319	Forbidden	Forbidden	D	51
	Air, refrigerated liquid, (cryogenic liquid) non-pressurized	2.2, 5.1	UN1003	2.2, 5.1	T75, TP5, TP22	316	318, 319	Forbidden	Forbidden	D	51
	Aircraft engines (including turbines), see Engines, internal combustion										
	Aircraft evacuation slides, see Life saving appliances etc										
	Aircraft hydraulic power unit fuel tank (containing a mixture of anhydrous hydrazine and monomethyl hydrazine) (M86 fuel)										
	Aircraft survival kits, see Life saving appliances etc										
	Alcoholic solution, n.o.s., in alcohol	3	UN3165	I		172	None	Forbidden	42 L	E	
	Alcoholic beverages	3	UN3274	II	IB2	202	243	1 L	5 L	B	
		3	UN3065	II	24, 149, B1, IB2, T4, TP1	202	242	5 L	60 L	A	
		3	UN1987	III	24, B1, IB3, N11, T2, TP1	203	242	60 L	220 L	A	
		3		I	172, T11, TP1, TP8, 4b	201	243	1 L	30 L	E	
		3		II	172, IB2, T7, TP1, TP6, TP27	202	242	5 L	60 L	B	
		3		III	172, B1, IB3, T4, TP1, TP28	203	242	60 L	220 L	A	
		3	UN1986	I	T14, TP2, TP13, TP27	201	243	Forbidden	30 L	E	40
		3	UN1989	II	IB2, T11, TP2, TP27	202	243	1 L	60 L	B	40
		3		III	B1, IB3, T7, TP1, TP28	203	242	60 L	220 L	A	
		3		I	T11, TP1, TP27	201	243	1 L	30 L	E	
		3		II	IB2, T7, TP1, TP8, TP28	202	242	5 L	60 L	B	
		3		III	B1, IB3, T4, TP1, TP29	203	242	60 L	220 L	A	
		3	UN1988	I	T14, TP2, TP13, TP27	201	243	Forbidden	30 L	E	40
		3		II	IB2, T11, TP2, TP27	202	243	1 L	60 L	B	40
		3		III	B1, IB3, T7, TP1, TP28	203	242	60 L	220 L	A	
		6.1	UN2839	III	IB2, T11, TP2, TP27	202	243	1 L	60 L	B	
		4.2	UN3206	II	B1, IB3, T7, TP1, TP28	203	242	60 L	220 L	A	12
				II	64, A7, IB5, IP2, T3, TP33	212	242	15 kg	50 kg	B	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Alkali metal alloys, liquid, n.o.s.	4.3	UN1421	III	4.2, 8	64, A7, IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	B	
	Alkali metal amalgam, liquid	4.3	UN1389	I	4.3	A2, A3, A7, B48, N34	None	201	244	Forbidden	1 L	D	52
	Alkali metal amalgam, solid	4.3	UN3401	I	4.3	A2, A3, A7, N34	None	201	244	Forbidden	1 L	D	40, 52
	Alkali metal amides	4.3	UN1390	II	4.3	IB4, IP1, N40, T9, TP7, TP33	None	211	242	Forbidden	15 kg	D	52
	Alkali metal dispersions, flammable or Alkaline earth metal dispersions, flammable	4.3	UN3482	I	4.3, 3	A6, A7, A8, A19, A20, IB7, IP2, T3, TP33	None	201	244	Forbidden	1 L	D	52
	Alkali metal dispersions, or Alkaline earth metal dispersions	4.3	UN1391	I	4.3	A2, A3, A7	None	201	244	Forbidden	1 L	D	52
	Alkaline corrosive liquids, n.o.s., see Caustic alkali liquids, n.o.s.	4.2	UN3205	II	4.2	65, A7, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	B	
	Alkaline earth metal alcohols, n.o.s.	4.2	UN3205	III	4.2	65, A7, IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	B	
	Alkaline earth metal alloys, n.o.s.	4.3	UN1393	II	4.3	A19, IB7, IP2, T3, TP33	None	212	241	15 kg	50 kg	E	52
	Alkaline earth metal amalgams, liquid	4.3	UN1392	I	4.3	A19, N34, N40	None	201	244	Forbidden	1 L	E	40, 52
	Alkaline earth metal amalgams, solid	4.3	UN3402	I	4.3	A19, N34, N40, T9, TP7, TP33	None	211	242	Forbidden	15 kg	D	52
	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	
	Alkaloids, solid, n.o.s. or Alkaloid salts, solid, n.o.s. poisonous	6.1	UN1544	III	6.1	IB2, T11, TP2, TP27	None	202	243	5 L	60 L	A	
	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sulfonic acid	8	UN2584	II	8	IB3, T7, TP1, TP28	None	203	241	60 L	220 L	A	
	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent free sulfonic acid	8	UN2586	III	8	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent free sulfonic acid	8	UN2584	II	8	IB8, IP2, IP4, T3, TP33	None	212	242	25 kg	100 kg	A	
	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent free sulfonic acid	8	UN2586	III	8	IB8, IP3, T1, TP33	None	213	240	100 kg	200 kg	A	
	Alkyl sulfonic acids, liquid with not more than 5 percent free sulfonic acid	8	UN2584	II	8	B2, IB2, T8, TP2, TP13	None	202	242	1 L	30 L	B	
	Alkyl sulfonic acids, liquid with not more than 5 percent free sulfonic acid	8	UN2586	III	8	IB3, T4, TP1	None	203	241	5 L	60 L	B	

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

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Aluminum ferrosilicon powder	4.3	UN1395	II	4.3, 6.1	A19, IB5, IP2, T3, TP33	151	212	242	15 kg	50 kg	A	38, 40, 52, 53, 85, 103
				III	4.3, 6.1	A19, A20, IB4	151	213	241	25 kg	100 kg	A	39, 40, 52, 53, 85, 103
D	Aluminum hydride	4.3	UN2463	I	4.3	A19, N40	None	211	242	Forbidden	15 kg	E	40, 52, 85
	Aluminum, molten	9	NA9260	III	9	IB3, T1, TP3	None	None	247	Forbidden	Forbidden	D	40, 85
	Aluminum nitrate	5.1	UN1438	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	Forbidden	100 kg	A	13, 39, 52, 53, 74, 101
	<i>Aluminum phosphate solution, see Corrosive liquids, etc</i>												
	Aluminum phosphide	4.3	UN1397	I	4.3, 6.1	A8, A19, N40	None	211	242	Forbidden	15 kg	E	40, 52, 85
	Aluminum phosphide pesticides	6.1	UN3048	I	6.1	A8, IB7, IP1, T6, TP33	None	211	242	Forbidden	15 kg	E	40, 85
	Aluminum powder, coated	4.1	UN1309	II	4.1	IB8, IP2, IP4, T3, TP33	151	212	240	Forbidden	50 kg	A	13, 39, 52, 53, 74, 101
				III	4.1	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	13, 39, 52, 53, 74, 101
	Aluminum powder, uncoated	4.3	UN1396	II	4.3	A19, A20, IB7, IP2, T3, TP33	151	212	242	15 kg	50 kg	A	38, 52, 53
				III	4.3	A19, A20, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	39, 52, 53
	Aluminum resinates	4.1	UN2715	III	4.1	IB6, T1, TP33	151	213	240	25 kg	100 kg	A	39, 40, 52, 53, 85, 103
	Aluminum silicon powder, uncoated	4.3	UN1398	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	39, 40, 52, 53, 85, 103
	Aluminum smelting by-products or Aluminum remelting by-products	4.3	UN3170	II	4.3	128, B115, IB7, IP2, T3, TP33	None	212	242	15 kg	50 kg	B	85, 103
				III	4.3	128, B115, IB8, IP4, T1, TP33	None	213	241	25 kg	100 kg	B	85, 103
G	Amazols, see Explosives, blasting, type B Amine, 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, 52

G	Amine, liquid, corrosive, flammable, n.o.s., or Polyamines, liquid, corrosive, flammable, n.o.s.	8	UN2734	II	3, 8 3, 8 8, 3	IB2, T11, TP1, TP27 B1, IB3, T7, TP1, TP28 A3, A6, N34, T14, TP2, TP27	150 150 None	202 203 201	243 242 243	1 L 5 L 0.5 L	5 L 60 L 2.5 L	B A A	40, 52 40, 52 52
G	Amines, liquid, corrosive, n.o.s., or Polyamines, liquid, corrosive, n.o.s.	8	UN2735	II	8, 3 8	IB2, T11, TP2, TP27 A3, A6, B10, N34, T14, TP2, TP27	None None	202 201	243 243	1 L 0.5 L	30 L 2.5 L	A A	52 52
G	Amines, solid, corrosive, n.o.s., or Polyamines, solid, corrosive n.o.s.	8	UN3259	II III I	8 8 8	B2, IB2, T11, TP1, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	154 154 None	202 203 211	242 241 242	1 L 5 L 1 kg	30 L 60 L 25 kg	A A A	52 52 52
	2-Amino-4-chlorophenol	6.1	UN2673	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
	2-Amino-5-diethylaminopentane	6.1	UN2946	III	6.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
	2-Amino-4,6-Dinitrophenol, wetted with not less than 20 percent water by mass	4.1	UN3317	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52
	2-(2-Aminoethoxy) ethanol	8	UN3055	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	12
	N-Aminoethylpiperazine	8	UN2815	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	12
	Aminophenols (o-; m-; p-)	6.1	UN2512	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	12
	Aminopropylmethanamine, see Amines, etc												
	n-Aminopropylmorpholine, see Amines, etc												
	Aminopyridines (o-; m-; p-)	6.1	UN2671	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 40, 52,
I	Ammonia, anhydrous	2.3	UN1005	2.3, 8	2.3, 8	4, N87, T50	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
D	Ammonia, anhydrous	2.2	UN1005	2.2	2.2	13, T50	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
I	Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia	2.3	UN3318	2.3, 8	2.3, 8	4, N87, T50	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
D	Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia	2.2	UN3318	2.2	2.2	13, T50	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
D	Ammonia solutions, relative density less than 0.880 at 15 degrees C in water, with more than 35 percent but not more than 50 percent ammonia	2.2	UN2073	2.2	2.2	N87	306	304	314, 315	Forbidden	150 kg	E	40, 52, 57
	Ammonia solution, relative density between 0.880 and 0.957 at 15 degrees C in water, with more than 10 percent but not more than 35 percent ammonia	8	UN2672	III	8	IB3, IP8, T7, TP1	154	203	241	5 L	60 L	A	40, 52, 85



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
D	Ammonium arsenate <i>Ammonium azide</i> <i>Ammonium bifluoride, solid, see Ammonium hydrogen difluoride, solid</i> <i>Ammonium bifluoride solution, see Ammonium hydrogen difluoride, solution</i> <i>Ammonium bromate</i> <i>Ammonium chlorate</i> <i>Ammonium dichromate</i> <i>Ammonium dinitro-o-cresolate, solid</i> <i>Ammonium dinitro-o-cresolate solution</i>  Ammonium fluoride Ammonium fluorosilicate <i>Ammonium fulminate</i> Ammonium hydrogen sulfate Ammonium hydrogendifluoride, solid  Ammonium hydrogendifluoride, solution <i>Ammonium hydrosulfide, solution, see Ammonium sulfide solution</i> Ammonium sulfide solution Ammonium hydroxide, <i>see Ammonia solutions, etc</i> Ammonium metavanadate	6.1	UN1546	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	53	
		Forbidden												
		Forbidden												
		5.1	UN1439	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	242	5 kg	25 kg	A	52
		6.1	UN1843	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	242	25 kg	100 kg	B	36, 65, 66, 77
		6.1	UN3424	II	6.1	IB2, T7, TP2	153	202	243	243	5 L	60 L	B	36, 66, 78, 91
		6.1		III	6.1	IB2, T7, TP2	153	203	241	241	60 L	220 L	A	36, 66, 78, 91
		6.1	UN2505	III	6.1	IB8, IP3, T1, TP33	153	213	240	240	100 kg	200 kg	A	52
		6.1	UN2854	III	6.1	IB8, IP3, T1, TP33	153	213	240	240	100 kg	200 kg	A	52
		8	UN2506	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	240	15 kg	50 kg	A	40
		8	UN1727	II	8	IB8, IP2, IP4, N34, T3, TP33	154	212	240	240	15 kg	50 kg	A	25, 40, 52
		8	UN2817	II	8, 6.1	IB2, N34, T8, TP2, TP13	154	202	243	243	1 L	30 L	B	40
		A W	Ammonium nitrate based fertilizer	9	UN2071	III	9	132, IB8, IP3	155	213	240	200 kg	200 kg	A
5.1	UN2067			III	5.1	52, 150, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	48, 59, 60, 66, 117	
6.1	UN2859			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		

Ammonium nitrate emulsion or Ammonium nitrate suspension or Ammonium nitrate gel, intermediate for blasting explosives	5.1	UN3375	II	5.1	147, 163	None	214	214	Forbidden	Forbidden	D	48, 59, 60, 66, 124
Ammonium nitrate-fuel oil mixture 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 organic 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 combustible 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, T1, TP33	152	213	240	25 kg	100 kg	A	48, 59, 60, 116
Ammonium nitrite	Forbidden											
Ammonium perchlorate	1.1D	UN0402	II	1.1D	107	None	62	None	Forbidden	Forbidden	10	19E
Ammonium perchlorate	5.1	UN1442	II	5.1	107, A9, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	E	58, 69
Ammonium permanganate	Forbidden											
Ammonium persulfate	5.1	UN1444	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Ammonium picrate, dry or wetted with less than 10 percent water, by mass	1.1D	UN0004	II	1.1D		None	62	None	Forbidden	Forbidden	10	5E, 19E
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	154	202	243	1 L	30 L	B	12, 40, 52
			III	8, 6.1	IB3, T4, TP1, TP13	154	203	241	5 L	60 L	B	12, 40, 52
	6.1	UN2861	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141
Ammonium polyvanadate												
Ammonium silicofluoride, see Ammonium fluorosilicate												
Ammonium sulfide solution	8	UN2683	II	8, 6.1, 3	IB1, T7, TP2, TP13	154	202	243	1 L	30 L	B	12, 22, 52, 100
Ammunition, blank, see Cartridges for weapons, blank												
Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.2G	UN0171	II	1.2G			62	62	Forbidden	Forbidden	03	
Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.3G	UN0254	II	1.3G			62	62	Forbidden	Forbidden	03	

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B) (8B)	Bulk (8C) (8C)	Passenger aircraft/rail (9A) (9A)	Cargo air-craft only (9B) (9B)	Loca-tion (10A) (10A)	Other (10B) (10B)
(1)													
	Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.4G	UN0297	II	1.4G		62	62	Forbidden	75 kg	02		
	Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge	1.3J	UN0247	II	1.3J		62	None	Forbidden	Forbidden	04		23E
	Ammunition, incendiary (water-activated contrivances) with burster, expelling charge or propelling charge, see Containances, water-activated, etc.	1.2H	UN0243	II	1.2H		62	62	Forbidden	Forbidden	08		8E, 14E, 15E, 17E
	Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge	1.3H	UN0244	II	1.3H		62	62	Forbidden	Forbidden	08		8E, 14E, 15E, 17E
	Ammunition, incendiary with or without burster, expelling charge, or propelling charge	1.2G	UN0009	II	1.2G		62	62	Forbidden	Forbidden	03		
	Ammunition, incendiary with or without burster, expelling charge, or propelling charge	1.3G	UN0010	II	1.3G		62	62	Forbidden	Forbidden	03		
	Ammunition, incendiary with or without burster, expelling charge or propelling charge	1.4G	UN0300	II	1.4G		62	62	Forbidden	75 kg	02		
	Ammunition, practice	1.4G	UN0362	II	1.4G		62	62	Forbidden	75 kg	02		
	Ammunition, practice	1.3G	UN0488	II	1.3G		62	62	Forbidden	Forbidden	03		
	Ammunition, proof	1.4G	UN0363	II	1.4G		62	62	Forbidden	75 kg	02		
	Ammunition, rocket, see Warheads, rocket etc												
	Ammunition, SA (small arms), see Cartridges for weapons, etc												

Ammunition, smoke (water-activated contrivances), white phosphorus, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248)	1.2H	UN0245	II	1.2H	62	62	Forbiddn	Forbiddn	08	8E, 14E, 15E, 17E
Ammunition, smoke (water-activated contrivances), without white phosphorus or phosphides, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0249)	1.3H	UN0246	II	1.3H	62	62	Forbiddn	Forbiddn	08	8E, 14E, 15E, 17E
Ammunition, smoke, white phosphorus with burster,expelling charge, or propelling charge	1.2G	UN0015	II	1.2G	62	62	Forbiddn	Forbiddn		8E, 17E, 20E
Ammunition, smoke with or without burster, expelling charge or propelling charge	1.3G	UN0016	II	1.3G	62	62	Forbiddn	Forbiddn		8E, 17E, 20E
Ammunition, smoke with or without burster, expelling charge or propelling charge	1.4G	UN0303	II	1.4G	62	62	Forbiddn	75 kg		7E, 8E, 14E, 15E, 17E
Ammunition, sporting, see Cartridges for weapons, etc. (UN 0012; UN 0328; UN 0339)	6.1	UN2017	II	6.1, 8	212	None	Forbiddn	50 kg	E	13, 40
Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed	1.2G	UN0018	II	1.2G, 8, 6.1	62	62	Forbiddn	Forbiddn		8E, 17E, 20E
Ammunition, tear-producing with burster, expelling charge or propelling charge	1.3G	UN0019	II	1.3G, 8, 6.1	62	62	Forbiddn	Forbiddn		8E, 17E, 20E
Ammunition, tear-producing with burster, expelling charge or propelling charge	1.4G	UN0301	II	1.4G, 8, 6.1	62	62	Forbiddn	75 kg		7E, 8E, 14E, 15E, 17E
Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed	6.1	UN2016	II	6.1	212	None	Forbiddn	100 kg	E	13, 40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
G	<i>Ammunition, toxic (water-activated contrivances), with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc</i> <i>Ammunition, toxic with burster, expelling charge, or propelling charge</i>	1.2K	UN0020	II	1.2K, 6.1			62	None	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
G	<i>Ammunition, toxic with burster, expelling charge, or propelling charge</i>	1.3K	UN0021	II	1.3K, 6.1			62	None	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
	Amyl acetates	3	UN1104	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A	
	Amyl acid phosphate	8	UN2819	III	8	B1, IB3, T4, TP1	154	203	241	5 L	60 L	220 L	A	
	Amyl butyrates	3	UN2820	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	220 L	A	
	Amyl chlorides	3	UN1107	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	60 L	B	
	Amyl formates	3	UN1109	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A	
	Amyl mercaptans	3	UN1111	II	3	A3, A6, IB2, T4, TP1	None	203	242	5 L	60 L	220 L	B	95, 102
	n-Amyl methyl ketone	3	UN1110	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A	
	Amyl nitrate	3	UN1112	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A	40
	Amyl nitrites	3	UN1113	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	60 L	E	40
	Amylamines	3	UN1106	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	60 L	B	
	Amylchlorosilane	8	UN1728	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	60 L	A	40
	Anhydrous ammonia, see Ammonia, anhydrous			II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	Forbidden	30 L	C	
	Anhydrous ammonia, see Ammonia, anhydrous			II	8									
	Anhydrous hydrofluoric acid, see Hydrogen fluoride, anhydrous			II	6.1									
	Aniline	6.1	UN1547	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	60 L	A	40, 52
	Aniline hydrochloride	6.1	UN1548	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	200 kg	A	
	Aniline oil, see Aniline													
	Anisidines	6.1	UN2431	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	220 L	A	
	Anisole	3	UN2222	III	3	B1, IB3, T2, TP1	150	203	242	60 L	60 L	220 L	A	
	Anisoyl chloride	8	UN1729	II	8	B2, B4, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	50 kg	A	
	Anti-freeze, liquid, see Flammable liquids, n.o.s.													

G	<i>Antimonous chloride</i> , see Antimony trichloride	6.1	UN3141	III	6.1	35, IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
G	Antimony compounds, inorganic, liquid, n.o.s.	6.1	UN1549	III	6.1	35, IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
G	Antimony compounds, inorganic, solid, n.o.s.	6.1	UN1550	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
G	Antimony lactate	8	UN1730	II	8	B2, IB2, T7, TP2	None	202	242	1 L	30 L	C	40
G	Antimony pentachloride, liquid	8	UN1731	II	8	B2, IB2, T7, TP2	None	202	242	1 L	30 L	C	40
G	Antimony pentachloride, solutions	8	UN1732	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	40
G	Antimony pentafluoride	8	UN1732	II	8, 6.1	A3, A6, A7, A10, IB2, N3, N36, T7, TP2	None	202	243	Forbidden	30 L	D	44, 89, 100, 141
G	Antimony potassium tartrate	6.1	UN1551	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
G	Antimony powder	6.1	UN2871	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
G	<i>Antimony sulfide and a chlorate, mixtures of</i>	Forbidden											
G	<i>Antimony sulfide</i> , solid, see Antimony compounds, inorganic, n.o.s.												
G	Antimony trichloride, liquid	8	UN1733	II	8	B2, IB2	154	202	242	1 L	30 L	C	40
G	Antimony trichloride, solid	8	UN1733	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40.
G	<i>Aqua ammonia</i> , see Ammonia solution, etc.												
G	Argon, compressed	2.2	UN1006		2.2		306, 307	302	314, 315	75 kg	150 kg	A	
G	Argon, refrigerated liquid ( <i>cryogenic liquid</i> )	2.2	UN1951		2.2	T75, TP5	320	316	318	50 kg	500 kg	D	
G	Arsenic	6.1	UN1558	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
G	Arsenic acid, liquid	6.1	UN1553	I	6.1	T20, TP2, TP7, TP13	None	201	243	1 L	30 L	B	46
G	Arsenic acid, solid	6.1	UN1554	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
G	Arsenic bromide	6.1	UN1555	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	12, 40
G	<i>Arsenic chloride</i> , see Arsenic trichloride												
G	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.	6.1	UN1556	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 137
G	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	153	202	243	5 L	60 L	B	40, 137
G	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	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	B	40, 137
G	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	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	137
G	Arsenic pentoxide	6.1	UN1559	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	137
G	Arsenic pentoxide	6.1	UN1559	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	137
G	Arsenic pentoxide	6.1	UN1559	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Arsenic sulfide and a chlorate, mix-tures of	Forbidden											
	Arsenic trichloride	6.1	UN1560	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
	Arsenic trioxide	6.1	UN1561	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Arsenic, white, solid, see Arsenic tri-oxide												
	Arsenical dust	6.1	UN1562	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Arsenical pesticides, liquid, flammable, toxic, flash point less than 23 de-grees 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	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
				II	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Arsenical pesticides, liquid, toxic, flam-mable, flash point not less than 23 degrees C	6.1	UN2993	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
				I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1, 3	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, T6, TP33	None	211	242	5 kg	50 kg	A	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	Arsenious acid, solid, see Arsenic tri-oxide												
	Arsenious and mercuric iodide solu-tion, see Arsenic compounds, liquid, n.o.s.	2.3	UN2188		2.3,	1	None	192	245	Forbidden	Forbidden	D	40
	Arsine				2.1								
	Articles, explosive, extremely insensi-tive or Articles, EEI	1.6N	UN0486	II	1.6N		None	62	None	Forbidden	Forbidden	07	
G	Articles, explosive, n.o.s	1.4S	UN0349	II	1.4S		None	62	None	25 kg	100 kg	05	
G	Articles, explosive, n.o.s	1.4B	UN0350	II	1.4B		None	62	None	Forbidden	Forbidden	06	
G	Articles, explosive, n.o.s	1.4C	UN0351	II	1.4C		None	62	None	Forbidden	Forbidden	06	

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G	Articles, explosive, n.o.s	1.4D	UN0352	II	1.4D	None	62	None	Forbidden	75 kg	06	
G	Articles, explosive, n.o.s	1.4G	UN0353	II	1.4G	None	62	None	Forbidden	75 kg	06	8E, 14E, 15E, 17E.
G	Articles, explosive, n.o.s	1.1L	UN0354	II	1.1L	None	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E.
G	Articles, explosive, n.o.s	1.2L	UN0355	II	1.2L	None	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E.
G	Articles, explosive, n.o.s	1.3L	UN0356	II	1.3L	None	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E.
G	Articles, explosive, n.o.s	1.1C	UN0462	II	1.1C	None	62	None	Forbidden	Forbidden	07	
G	Articles, explosive, n.o.s	1.1D	UN0463	II	1.1D	None	62	None	Forbidden	Forbidden	07	
G	Articles, explosive, n.o.s	1.1E	UN0464	II	1.1E	None	62	None	Forbidden	Forbidden	07	
G	Articles, explosive, n.o.s	1.1F	UN0465	II	1.1F	None	62	None	Forbidden	Forbidden	08	
G	Articles, explosive, n.o.s	1.2C	UN0466	II	1.2C	None	62	None	Forbidden	Forbidden	07	
G	Articles, explosive, n.o.s	1.2D	UN0467	II	1.2D	None	62	None	Forbidden	Forbidden	07	
G	Articles, explosive, n.o.s	1.2E	UN0468	II	1.2E	None	62	None	Forbidden	Forbidden	07	
G	Articles, explosive, n.o.s	1.2F	UN0469	II	1.2F	None	62	None	Forbidden	Forbidden	08	
G	Articles, explosive, n.o.s	1.3C	UN0470	II	1.3C	None	62	None	Forbidden	Forbidden	07	
G	Articles, explosive, n.o.s	1.4E	UN0471	II	1.4E	None	62	None	Forbidden	75 kg	06	
G	Articles, explosive, n.o.s	1.4F	UN0472	II	1.4F	None	62	None	Forbidden	75 kg	06	
G	Articles, pressurized pneumatic or hydraulic containing non-flammable gas	2.2	UN3164	II	2.2	306	302, 304	None	No limit	No limit	A	
	Articles, pyrophoric	1.2L	UN0380	II	1.2L	None	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E.
	Articles, pyrotechnic for technical purposes	1.1G	UN0428	II	1.1G	None	62	None	Forbidden	Forbidden	07	
	Articles, pyrotechnic for technical purposes	1.2G	UN0429	II	1.2G	None	62	None	Forbidden	Forbidden	07	
	Articles, pyrotechnic for technical purposes	1.3G	UN0430	II	1.3G	None	62	None	Forbidden	Forbidden	07	
	Articles, pyrotechnic for technical purposes	1.4G	UN0431	II	1.4G	None	62	None	Forbidden	75 kg	06	
	Articles, pyrotechnic for technical purposes	1.4S	UN0432	II	1.4S	None	62	None	25 kg	100 kg	05	
D	Asbestos	9	NA2212	III	9	155	216	240	200 kg	200 kg	A	34, 40
D	Ascaridole (organic peroxide)	Forbidden										
D	Asphalt, at or above its flash point	3	NA1999	III	3	150	203	247	Forbidden	Forbidden	D	
	Asphalt, cut back, see Tars, liquid, etc											
	Automobile, motorcycle, tractor, other self-propelled vehicle, engine, or other mechanical apparatus, see Vehicles or Battery etc											



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage									
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other									
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)		
A G	Aviation regulated liquid, n.o.s.	9	UN3334	II	9	38, IB8, T3, TP33	151	204	No limit	No limit	A											
	Aviation regulated solid, n.o.s.	9	UN3335											204	No limit	No limit	A					
	<i>Azauric acid (salt of) (dry)</i>	Forbidden												204	No limit	No limit	A					
	<i>Azido guanidine picrate (dry)</i>	Forbidden																				
	<i>5-Azido-1-hydroxy tetrazole</i>	Forbidden																				
	<i>Azido hydroxy tetrazole (mercury and silver salts)</i>	Forbidden																				
	<i>3-Azido-1,2-Propylene glycol dinitrate</i>	Forbidden																				
	<i>Azidothiocarbonic acid</i>	Forbidden																				
	<i>Azidoethyl nitrate</i>	Forbidden																				
	<i>1-Aziridinylphosphine oxide-(tris), see Tris-(1-aziridinyl) phosphine oxide, solution</i>	Forbidden																				
	Azodicarbonamide	4.1	UN3242											151	223	Forbidden	Forbidden	Forbidden	D	2, 52, 53, 74		
	<i>Azotetrazole (dry)</i>	Forbidden																				
	Barium	4.3	UN1400											151	212	A19, IB7, IP2, T3, TP33	151	212	15 kg	50 kg	E	52
	Barium alloys, pyrophoric	4.2	UN1854											None	181	T21, TP7, TP33	None	181	Forbidden	Forbidden	D	
	Barium azide, <i>dry or wetted with less than 50 percent water, by mass</i>	1.1A	UN0224											None	62	111, 117	None	62	Forbidden	Forbidden	12	
	Barium azide, <i>wetted with not less than 50 percent water, by mass</i>	4.1	UN1571											None	182	162, A2	None	182	Forbidden	0.5 kg	D	28
Barium bromate	5.1	UN2719	6.1	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	5 kg	25 kg	A	56, 58										
Barium chlorate, solid	5.1	UN1445	6.1	II	5.1, 6.1	A9, IB6, IP2, N34, T3, TP33	152	212	5 kg	25 kg	A	56, 58										
Barium chlorate, solution	5.1	UN3405	6.1	II	5.1, 6.1	A9, IB2, N34, T4, TP1	152	202	1 L	5 L	A	56, 58, 133										
G	Barium compounds, n.o.s.	6.1	UN1564	III	6.1	A9, IB2, N34, T4, TP1	152	203	2.5 L	30 L	A	56, 58, 133										
													6.1	212	25 kg	100 kg	A					
													6.1	213	240	100 kg	200 kg	A				
													6.1	213	240	100 kg	200 kg	A				
													6.1	211	242	5 kg	50 kg	A				
Barium cyanide	6.1	UN1565	None	211	IB7, IP1, N74, N75, T6, TP33	None	211	5 kg	25 kg	B	4, 52, 56, 58, 106											
Barium hypochlorite <i>with more than 22 percent available chlorine</i>	5.1	UN2741	6.1	II	5.1, 6.1	A7, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	5 kg	25 kg	B	4, 52, 56, 58, 106										

Barium nitrate	5.1	UN1446	II	5.1,	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	
Barium oxide	6.1	UN1884	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	56, 58
Barium perchlorate, solid	5.1	UN1447	II	5.1,	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	
Barium perchlorate, solution	5.1	UN3406	II	5.1,	IB2, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133
Barium permanganate	5.1	UN1448	III	5.1,	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133
Barium peroxide	5.1	UN1449	II	5.1,	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
Barium selenate, see Selenates or Selenites				5.1,	A9, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	13, 52, 56, 75
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, <i>electric, storage</i>	8	UN3028	III	8	237	None	213	None	25 kg gross	230 kg gross	A	52
Batteries, dry, sealed, n.o.s.					130						A	48
Batteries, nickel-metal hydride see Batteries, dry, sealed, n.o.s. for nickel-metal hydride batteries transported by modes other than vessel					340							
Batteries, wet, filled with acid, <i>electric storage</i>	8	UN2794	III	8		159	159	159	30 kg gross	No limit	A	146
Batteries, wet, filled with alkali, <i>electric storage</i>	8	UN2795	III	8		159	159	159	30 kg gross	No limit	A	52, 146
Batteries, wet, non-spillable, <i>electric storage</i>	8	UN2800	III	8		159a	159	159	No limit	No limit	A	
Battery fluid, acid	8	UN2796	II	8	A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	202	242	1 L	30 L	B	
Battery fluid, alkali	8	UN2797	II	8	B2, IB2, N6, T7, TP2, TP28	154	202	242	1 L	30 L	A	29
Battery lithium type, see Lithium batteries etc												
Battery-powered vehicle or Battery-powered equipment	9	UN3171		9	134	220	220	None	No limit	No limit	A	
Battery, wet, filled with acid or alkali with vehicle or mechanical equipment containing an internal combustion engine, see Vehicle, etc. or Engines, internal combustion, etc												
Benzaldehyde	9	UN1990	III	9	IB3, T2, TP1	155	203	241	100 L	220 L	A	40
Benzene	3	UN1114	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Benzene diazonium chloride (dry)	Forbidden											
Benzene diazonium nitrate (dry)	Forbidden											
Benzene phosphorus dichloride, see Phenyl phosphorus dichloride	Forbidden											

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Benzene phosphorus thiochloride</i> , see Phenyl phosphorus thiochloride	8	UN2225	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
	<i>Benzene sulfonyl chloride</i>	Forbidden											
	<i>Benzene triozonide</i>												
	<i>Benzenethiol</i> , see Phenyl mercaptan												
	<i>Benzidine</i>	6.1	UN1885	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	<i>Benzol</i> , see Benzene												
	<i>Benzonitrile</i>	6.1	UN2224	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40, 52
	<i>Benzoquinone</i>	6.1	UN2587	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	<i>Benzotrifluoride</i>	8	UN2226	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40
	<i>Benzotrifluoride</i>	3	UN2338	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	<i>Benzoxadiazoles (dry)</i>	Forbidden											
	<i>Benzoyl azide</i>	Forbidden											
	<i>Benzoyl chloride</i>	8	UN1736	II	8	B2, IB2, T8, TP2, TP13	154	202	242	1 L	30 L	C	40
	<i>Benzoyl bromide</i>	6.1	UN1737	II	6.1, 8	A3, A7, IB2, N33, N34, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40.
	<i>Benzyl chloride</i>	6.1	UN1738	II	6.1, 8	A3, A7, B70, IB2, N33, N42, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40.
	<i>Benzyl chloride unstabilized</i>	6.1	UN1738	II	6.1, 8	A3, A7, B8, B11, IB2, N33, N34, N43, T8, TP2, TP13	153	202	243	1 L	30 L	D	13, 40
	<i>Benzyl chloroformate</i>	8	UN1739	I	8	A3, A6, B4, N41, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40
	<i>Benzyl iodide</i>	6.1	UN2653	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	12, 40
	<i>Benzylidimethylamine</i>	8	UN2619	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	40, 48
	<i>Benzylidene chloride</i>	6.1	UN1886	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	40
	<i>Beryllium compounds, n.o.s</i>	6.1	UN1566	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	<i>Beryllium nitrate</i>	5.1	UN2464	II	5.1, 6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	<i>Beryllium, powder</i>	6.1	UN1567	II	6.1, 4.1	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	A	
	<i>Bicyclo [2.2.1] hepta-2,5-diene, stabilized or 2,5-Norbornadiene, stabilized</i>	3	UN2251	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	D	
	<i>Biological substance, Category B</i>	6.2	UN3373			A82	134	199	None	4 L or 4 kg	4 L or 4 kg	A	40
	<i>Biphenyl triozonide</i>	Forbidden											

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	3	UN2782	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	
Bipyridilium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C			II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Bipyridilium pesticides, liquid, toxic	6.1	UN3016	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
			II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3015	III	6.1, 3	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	21, 40
			II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	21, 40
Bipyridilium pesticides, solid, toxic	6.1	UN2781	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	21, 40
			I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
<i>Bis (Aminopropyl) piperazine, see Corrosive liquid, n.o.s.</i>												
Bisulfate, aqueous solution	8	UN2837	II	8	A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	
Bisulfites, aqueous solutions, n.o.s.			III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	
Black powder, compressed or Gunpowder, compressed or Black powder, in pellets or Gunpowder, in pellets	8	UN2693	III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52
	1.1D	UN0028	II	1.1D		None	62	None	Forbidden	Forbidden	10	
Black powder or Gunpowder, granular or as a meal	1.1D	UN0027	II	1.1D		None	62	None	Forbidden	Forbidden	10	
Black powder for small arms	4.1	NA0027	I	4.1	70	None	170	None	Forbidden	Forbidden	E	
<i>Blasting agent, n.o.s., see Explosives, blasting etc</i>												
<i>Blasting cap assemblies, see Detonator assemblies, non-electric, for blasting</i>												
<i>Blasting caps, electric, see Detonators, electric for blasting</i>												
<i>Blasting caps, non-electric, see Detonators, non-electric, for blasting</i>												
<i>Bleaching powder, see Calcium hypochlorite mixtures, etc</i>												
Blue asbestos (Crocidolite) or Brown asbestos (amosite, myosorite)	9	UN2212	II	9	156, IB8, IP2, IP4, T3, TP33	155	216	240	Forbidden	Forbidden	A	34, 40
Bombs, photo-flash	1.1F	UN0037	II	1.1F			62	None	Forbidden	Forbidden	08	
Bombs, photo-flash	1.1D	UN0038	II	1.1D			62	62	Forbidden	Forbidden	03	
Bombs, photo-flash	1.2G	UN0039	II	1.2G			62	62	Forbidden	Forbidden	03	
Bombs, photo-flash	1.3G	UN0299	II	1.3G			62	62	Forbidden	Forbidden	03	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	Bombs, smoke, non-explosive, with corrosive liquid, without initiating device	8	UN2028	II	8		None	160	None	Forbidden	50 kg	E	40
	Bombs, with bursting charge	1.1F	UN0033	II	1.1F		None	62	None	Forbidden	Forbidden	08	
	Bombs, with bursting charge	1.1D	UN0034	II	1.1D		None	62	62	Forbidden	Forbidden	03	
	Bombs, with bursting charge	1.2D	UN0035	II	1.2D		None	62	62	Forbidden	Forbidden	03	
	Bombs, with bursting charge	1.2F	UN0291	II	1.2F		None	62	None	Forbidden	Forbidden	08	
	Bombs, with flammable liquid, with bursting charge	1.1J	UN0399	II	1.1J		None	62	None	Forbidden	Forbidden	04	23E
	Bombs with flammable liquid, with bursting charge	1.2J	UN0400	II	1.2J		None	62	None	Forbidden	Forbidden	04	23E
	Boosters with detonator	1.1B	UN0225	II	1.1B		None	62	None	Forbidden	Forbidden	11	
	Boosters with detonator	1.2B	UN0268	II	1.2B		None	62	None	Forbidden	Forbidden	07	
	Boosters, without detonator	1.1D	UN0042	II	1.1D		None	62	None	Forbidden	Forbidden	07	
	Boosters, without detonator	1.2D	UN0283	II	1.2D		None	62	None	Forbidden	Forbidden	07	
	Borate and chlorate mixtures, see Chlorate and borate mixtures												
	Borneol	4.1	UN1312	III	4.1	A1, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	12
+	Boron tribromide	8	UN2692	I	8, 6.1	2, B9, B14, B32, N34, T20, TP2, 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, 8	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
	Boron trifluoride acetic acid complex, liquid	8	UN1742	II	8	B2, B6, IB2, T8, TP2	154	202	242	1 L	30 L	A	
	Boron trifluoride acetic acid complex, solid	8	UN3419	II	8	B2, B6, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
	Boron trifluoride diethyl etherate	8	UN2604	I	8, 3	A3, A19, T10, TP2	None	201	243	0.5 L	2.5 L	D	40
	Boron trifluoride difhydrate	8	UN2851	II	8	IB2, T7, TP2	154	212	240	15 kg	50 kg	B	12, 40, 21, 28, 40, 49, 100
	Boron trifluoride dimethyl etherate	4.3	UN2965	I	4.3, 8, 3	A19, T10, TP2, TP7	None	201	243	Forbidden	Forbidden	D	
	Boron trifluoride propionic acid complex, liquid	8	UN1743	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	A	
	Boron trifluoride propionic acid complex, solid	8	UN3420	II	8	B2, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	

G	Bromates, inorganic, aqueous solution, n.o.s	5.1	UN3213	II	5.1	350, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
G	Bromates, inorganic, n.o.s	5.1	UN1450	III	5.1	350, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
+	Bromine	8	UN1744	I	8, 6.1	350, IB8, IP2, IP4, T3, TP33	None	212	242	5 kg	25 kg	A	56, 58
	Bromine azide	Forbidden	UN2901		2, 3, 8, 5.1	2, B9, B14, N86	None	304	314, 315	Forbidden	Forbidden	D	12, 40, 66, 74, 89, 90
+	Bromine chloride	5.1	UN1745	I	5.1, 6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	228	244	Forbidden	Forbidden	D	40, 89, 25, 40, 66, 90
+	Bromine solutions	8	UN1744	I	8, 6.1	1, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	226	249	Forbidden	Forbidden	D	12, 40, 66, 74, 89, 90
+	Bromine solutions	8	UN1744	I	8, 6.1	2, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	227	249	Forbidden	Forbidden	D	12, 40, 66, 74, 89, 90
+	Bromine trifluoride	5.1	UN1746	I	5.1, 6.1, 8	2, B9, B14, B32, T22, TP2, TP13, TP38, TP45	None	228	244	Forbidden	Forbidden	D	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	UN3425	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	
	Bromoacetic acid solution	8	UN1938	II	8	A7, B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40
+	Bromoacetone	6.1	UN1569	III	6.1, 3	B2, IB3, T7, TP2	154	203	241	5 L	60 L	A	40
	Bromoacetyl bromide	8	UN2513	II	8	2, T20, TP2, TP13	None	193	245	Forbidden	Forbidden	D	40
	Bromobenzene	3	UN2514	III	3	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 53
	Bromobenzyl cyanides, liquid	6.1	UN1694	I	6.1	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Bromobenzyl cyanides, solid	6.1	UN3449	I	6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	D	12, 40, 52
	1-Bromobutane	3	UN1126	II	3	T6, TP33	None	211	242	5 kg	50 kg	D	12, 40, 52
	2-Bromobutane	3	UN2339	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromochloromethane	6.1	UN1887	III	6.1	B1, IB2, T4, TP1	153	203	241	60 L	220 L	A	
	2-Bromoethyl ethyl ether	3	UN2340	III	3	IB3, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromoform	6.1	UN2515	III	6.1	IB2, T4, TP1	153	203	241	60 L	220 L	A	12, 40
	Bromomethylpropanes	3	UN2342	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	

§ 172.101 HAZARDOUS MATERIALS TABLE

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	2-Bromopentane .....	3	UN2343	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Bromopropanes .....	3	UN2344	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	3-Bromopropyne .....	3	UN2345	III	3	IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Bromosilane .....	Forbidden		II	3	IB2, T4, TP1	150	202	242	5 L	60 L	D	40
	<i>Bromotoluene-alpha</i> , see Benzyl bromide.												
	Bromotrifluoroethylene .....	2.1	UN2419		2.1		None	304	314, 315.	Forbidden	150 kg	B	40
	Bromotrifluoromethane or Refrigerant gas, R 13B1 .....	2.2	UN1009		2.2	T50	306	304	314, 315.	75 kg	150 kg	A	
	Brucine .....	6.1	UN1570	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
	Busters, explosive .....	1.1D	UN0043	II	1.1D		None	62	None	Forbidden	Forbidden	07	
	Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized containing more than 40% butadienes.	2.1	UN1010		2.1	T50	306	304	314, 315.	Forbidden	150 kg	B	40
	Butane see also Petroleum gases, liquefied.	2.1	UN1011		2.1	19, T50	306	304	314, 315.	Forbidden	150 kg	E	40
	<i>Butane, butane mixtures and mixtures having similar properties in cartridges each not exceeding 500 grams</i> , see Receptacles, etc.												
	Butanedione .....	3	UN2346	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	1,2,4-Butanetriol trinitrate .....	Forbidden											
	Butanols .....	3	UN1120	II	3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	<i>tert</i> -Butoxycarbonyl azide .....	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 .....	III		III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Butyl acrylates, stabilized .....	8	UN1718	III	8	IB3, T4, TP1	150	203	241	5 L	60 L	A	
	Butyl alcohols, see Butanols.	3	UN2348	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</i> -Butyl bromide, see 1-Bromobutane.												
	<i>n</i> -Butyl chloride, see Chlorobutanes.												

n-Butyl chloroformate .....	6.1	UN2743	I	6.1, 8, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	12, 13, 21, 25, 40, 100
<i>Butyl ethers, see Dibutyl ethers.</i>												
<i>Butyl ethyl ether, see Ethyl butyl ether.</i>												
n-Butyl formate .....	3	UN1128	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>tert-Butyl hydroperoxide, with more than 90 percent with water.</i>	Forbidden											
tert-Butyl hypochlorite .....	4.2	UN3255	I	4.2, 8	IB2, T7, TP2	None	211	243	Forbidden	Forbidden	D	
N-n-Butyl imidazole .....	6.1	UN2690	II	6.1	1, B9, B14, B30, B72, T20, TP2, TP13, TP38, TP44	153	202	243	5 L	60 L	A	
tert-Butyl isocyanate .....	6.1	UN2484	I	6.1, 3		None	226	244	Forbidden	Forbidden	D	40
n-Butyl isocyanate .....	6.1	UN2485	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Butyl mercaptans .....	3	UN2347	II	3	A3, A6, IB2, T4, TP1	150	202	242	5 L	60 L	D	52, 95
n-Butyl methacrylate, stabilized .....	3	UN2227	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Butyl methyl ether .....	3	UN2350	I	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Butyl nitrites .....	3	UN2351	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	40
.....			II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
.....			III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
<i>tert-Butyl peroxyacetate, with more than 76 percent in solution.</i>	Forbidden											
<i>n-Butyl peroxydicarbonate, with more than 52 percent in solution.</i>	Forbidden											
<i>tert-Butyl peroxyisobutyrate, with more than 77 percent in solution.</i>	Forbidden											
<i>Butyl phosphoric acid, see Butyl acid phosphate.</i>												
Butyl propionates .....	3	UN1914	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	12, 25, 48, 127
5-tert-Butyl-2,4,6-trinitro-m-xylene or Musk xylene.	4.1	UN2956	III	4.1	159	None	223	None	Forbidden	Forbidden	D	
Butyl vinyl ether, stabilized .....	3	UN2352	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
n-Butylamine .....	3	UN1125	II	3, 8	IB2, T7, TP1	150	202	242	1 L	5 L	B	40
N-Butylaniline .....	6.1	UN2738	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	74
tert-Butylcyclohexylchloroformate .....	6.1	UN2747	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 13, 25
Butylene <i>see also</i> Petroleum gases, liquefied.	2.1	UN1012		2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
1,2-Butylene oxide, stabilized .....	3	UN3022	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	27, 49
Butyltoluenes .....	6.1	UN2667	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Butyltrichlorosilane .....	8	UN1747	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40
1,4-Butyne-diol .....	6.1	UN2716	III	6.1	A1, IB8, IP3, T1, TP33	None	213	240	100 kg	200 kg	C	52, 53, 70
Butyraldehyde .....	3	UN1129	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



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	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, TP13	150	202	243	1 L	60 L	E	40
	Butyl chloride .....	3	UN2353	II	3, 8	IB2, T8, TP2, TP13	150	202	243	1 L	5 L	C	40
	Cacodylic acid .....	6.1	UN1572	I	6.1	IB8, IP2, IP4, T3, TP33	153	211	242	25 kg	100 kg	E	52
Cadmium compounds .....		6.1	UN2570	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
		6.1		II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Caesium hydroxide .....	8	UN2682	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		29, 52
Caesium hydroxide solution .....	8	UN2681	II	8	IB2, T7, TP2	154	212	240	15 kg	50 kg	A		29, 52
Calcium .....	4.3	UN1401	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		29, 52
Calcium arsenate .....	6.1	UN1573	II	4.3	IB7, IP2, T3, TP33	151	212	241	15 kg	50kg	E		52
Calcium arsenate and calcium arsenite, mixtures, solid. <i>Calcium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.</i>	6.1	UN1574	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
Calcium carbide .....	4.3	UN1402	I	4.3	A1, A8, B55, B59, IB4, IP1, N34, T9, TP7, TP33	None	211	242	Forbidden	15 kg	B		52
Calcium chlorate .....	5.1	UN1452	II	4.3	A1, A8, B55, B59, IB7, IP2, N34, T3, TP33	151	212	241	15 kg	50 kg	B		52
Calcium chlorate aqueous solution .....	5.1	UN2429	II	5.1	A9, IB8, IP2, IP4, N34, TP33	152	212	242	5 kg	25 kg	A		56, 58
Calcium chlorite .....	5.1	UN1453	III	5.1	A2, IB2, N41, T4, TP1	152	202	242	1 L	5 L	B		56, 58, 133
Calcium cyanamide with more than 0.1 percent of calcium carbide. <i>Calcium cyanide</i> .....	4.3	UN1403	III	5.1	A2, IB2, N41, T4, TP1	152	203	241	2.5 L	30 L	B		56, 58, 133
Calcium dithionite or Calcium hydro-sulfite. <i>Calcium hydride</i> .....	4.2	UN1923	II	4.2	A9, IB8, IP2, IP4, N34, TP33	152	212	242	5 kg	25 kg	A		52
Calcium hydrosulfite, <i>see</i> Calcium dithionite. <i>Calcium</i> .....	4.3	UN1404	I	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A		40, 52
					IB7, IP1, N79, N80, T6, TP33	None	211	242	5 kg	50 kg	A		13
					A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	E		52
					A19, N40	None	211	242	Forbidden	15 kg	E		

5.1	UN3485	II	5.1, 8	165, 166, A7, A9, IB8, IP2, IP4, IP13, N34, W9	152	212	None	5 kg	25 kg	D	4, 48, 52, 56, 58, 69, 142
5.1	UN1748	II	5.1	165, 166, A7, A9, IB8, IP2, IP4, IP13, N34, W9	152	212	None	5 kg	25 kg	D	4, 25, 48, 52, 56, 58, 69, 142
5.1	UN3487	III	5.1	165, 171, A7, A9, IB8, IP4, IP13, N34, W9	152	213	240	25 kg	100 kg	D	4, 25, 48, 52, 56, 58, 69, 142
5.1	UN2880	II	5.1	165, IB8, IP2, IP4, IP13, W9	152	212	240	5 kg	25 kg	D	4, 48, 52, 56, 58, 69, 142
5.1	UN3486	III	5.1	165, 171, IB8, IP4, IP13, W9	152	213	240	25 kg	100 kg	D	4, 25, 48, 52, 56, 58, 69, 142
5.1	UN2208	III	5.1	165, A1, A29, IB8, IP3, IP13, N34, W9	152	213	240	25 kg	100 kg	D	4, 25, 48, 52, 56, 58, 69, 142
4.3	UN2844	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A	4, 25, 48, 52, 56, 58, 69, 142
5.1	UN1454	III	5.1	34, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	4, 25, 48, 52, 56, 58, 69, 142
5.1	UN1455	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	4, 25, 48, 52, 56, 58, 69, 142
5.1	UN1456	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	4, 25, 48, 52, 56, 58, 69, 142
5.1	UN1457	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	4, 25, 48, 52, 56, 58, 69, 142

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Calcium phosphide .....	4.3	UN1360	I	4.3, 6.1.	A8, A19, N40	None ...	211 ...	242 ...	Forbidden	15 kg	E	40, 52, 85
	Calcium, pyrophoric or Calcium al- loys, pyrophoric.	4.2	UN1855	I	4.2		None ...	187 ...	None	Forbidden	Forbidden	D	
	Calcium resinates .....	4.1	UN1313	III	4.1	A1, A19, IB6, T1, TP33	None ...	213 ...	240 ...	25 kg	100 kg	A	
	Calcium resinates, fused .....	4.1	UN1314	III	4.1	A1, A19, IB4, T1, TP33	None ...	213 ...	240 ...	25 kg	100 kg	A	
	Calcium selenate, see Selenates or Selenites.												
	Calcium silicide .....	4.3	UN1405	II	4.3	A19, IB7, IP2, T3, TP33	151 ...	212 ...	241 ...	15 kg	50 kg	B	52, 85, 103
	.....						151 ...	213 ...	241 ...	25 kg	100 kg	B	52, 85, 103
	Camphor oil .....	3	UN1130	III	3	A1, A19, IB8, IP4, T1, TP33	150 ...	203 ...	242 ...	60 L	220 L	A	
	Camphor, synthetic .....	4.1	UN2717	III	4.1	B1, IB3, T2, TP1	None ...	213 ...	240 ...	25 kg	100 kg	A	
	Carbonyl 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.												
	Carbamate pesticides, liquid, flam- mable, 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
	.....												
	Carbamate pesticides, liquid, toxic ...	6.1	UN2992	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150 ...	202 ...	243 ...	1 L	60 L	B	40
	.....												
	Carbamate pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN2991	III	6.1, 3	T14, TP2, TP13, TP27	153 ...	203 ...	241 ...	60 L	220 L	A	40
	.....						None ...	201 ...	243 ...	1 L	30 L	B	40
	.....						153 ...	202 ...	243 ...	5 L	60 L	B	40
	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
	.....						None ...	211 ...	242 ...	5 kg	50 kg	A	40
	.....						153 ...	212 ...	242 ...	25 kg	100 kg	A	40
	.....						153 ...	213 ...	240 ...	100 kg	200 kg	A	40
	Carbolic acid, see Phenol, solid or Phenol, molten.												

I	Carbolic acid solutions, see Phenol solutions.	4.2 UN1362	III	4.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	A	12		
		4.2 UN1361	III	4.2	IB6, T3, TP33	None	212	242	Forbiddn	A	12		
A W	Carbon, animal or vegetable origin	2.2 UN1013	II	2.2	IB8, IP3, T1, TP33	306	302, 304	302, 314, 315	150 kg	A			
		2.2 UN2187	II	2.2	T75, TP5	306	304	314, 315	500 kg	D			
		9 UN1845	I	None	B16, T14, TP2, TP7, TP13	217	217	240	200 kg	C	40		
D	Carbon disulfide	3 UN1131	I	3, 6.1		None	201	243	Forbiddn	D	40, 78, 115		
		2.3 UN1016	II	2.3	4	None	302	314, 315	25 kg	D	40		
		2.3 NA9202	III	2.1, 2.3	4, T75, TP5	None	316	318	Forbiddn	D			
		6.1 UN2516	II	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	A	25		
		6.1 UN1846	II	6.1	IB2, N36, T7, TP2	153	202	243	60 L	A	40		
		2.3 UN2417	II	2.3, 8	2	None	302	None	Forbiddn	D	40		
		2.3 UN2204	II	2.3, 2.1	3, B14	None	304	314, 315	Forbiddn	D	40		
			Cartridge cases, empty primed, see Cases, cartridge, empty, with primer.	1.1G UN0049	II	1.1G		None	62	None	Forbiddn	07	
				1.3G UN0050	II	1.3G		None	62	None	Forbiddn	07	
				1.1C UN0326	II	1.1C		None	62	None	Forbiddn	07	
1.2C UN0413	II			1.2C		None	62	None	Forbiddn	07			
1.4S UN0014	II			None		63	62	None	Forbiddn	05			
1.3C UN0327	II			1.3C		None	62	None	Forbiddn	07			
1.4C UN0338	II			1.4C		None	62	None	Forbiddn	06			
1.2C UN0328	II			1.2C		None	62	62	Forbiddn	03			
	Cartridges, explosive, see Charges, demolition.			1.1G UN0049	II	1.1G		None	62	None	Forbiddn	07	
				1.3G UN0050	II	1.3G		None	62	None	Forbiddn	07	
		1.1C UN0326	II	1.1C		None	62	None	Forbiddn	07			
		1.2C UN0413	II	1.2C		None	62	None	Forbiddn	07			
		1.4S UN0014	II	None		63	62	None	Forbiddn	05			
		1.3C UN0327	II	1.3C		None	62	None	Forbiddn	07			
		1.4C UN0338	II	1.4C		None	62	None	Forbiddn	06			
		1.2C UN0328	II	1.2C		None	62	62	Forbiddn	03			
			Cartridges for weapons, blank or Cartridges, small arms, blank.	1.1G UN0049	II	1.1G		None	62	None	Forbiddn	07	
				1.3G UN0050	II	1.3G		None	62	None	Forbiddn	07	
1.1C UN0326	II			1.1C		None	62	None	Forbiddn	07			
1.2C UN0413	II			1.2C		None	62	None	Forbiddn	07			
1.4S UN0014	II			None		63	62	None	Forbiddn	05			
1.3C UN0327	II			1.3C		None	62	None	Forbiddn	07			
1.4C UN0338	II			1.4C		None	62	None	Forbiddn	06			
1.2C UN0328	II			1.2C		None	62	62	Forbiddn	03			
	Cartridges for weapons, inert projectile, or Cartridges, small arms.			1.1G UN0049	II	1.1G		None	62	None	Forbiddn	07	
				1.3G UN0050	II	1.3G		None	62	None	Forbiddn	07	
		1.1C UN0326	II	1.1C		None	62	None	Forbiddn	07			
		1.2C UN0413	II	1.2C		None	62	None	Forbiddn	07			
		1.4S UN0014	II	None		63	62	None	Forbiddn	05			
		1.3C UN0327	II	1.3C		None	62	None	Forbiddn	07			
		1.4C UN0338	II	1.4C		None	62	None	Forbiddn	06			
		1.2C UN0328	II	1.2C		None	62	62	Forbiddn	03			

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Cartridges for weapons, inert projectile or Cartridges, small arms.	1.4S	UN0012	II	None		63 .....	62 .....	None	25 kg	100 kg	05	
	Cartridges for weapons, inert projectile or Cartridges, small arms.	1.4C	UN0339	II	1.4C ..		None ..	62 .....	None	Forbidden	75 kg	06	
	Cartridges for weapons, inert projectile or Cartridges, small arms.	1.3C	UN0417	II	1.3C ..		None ..	62 .....	None	Forbidden	Forbidden	06	
	Cartridges for weapons, with bursting charge.	1.1F	UN0005	II	1.1F ..		None ..	62 .....	None	Forbidden	Forbidden	08	
	Cartridges for weapons, with bursting charge.	1.1E	UN0006	II	1.1E ..		None ..	62 .....	62 .....	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 .....	62 .....	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 .....	62 .....	Forbidden	75 kg	02	
	Cartridges, oil well .....	1.3C	UN0277	II	1.3C ..		None ..	62 .....	62 .....	Forbidden	Forbidden	07	
	Cartridges, oil well .....	1.4C	UN0278	II	1.4C ..		None ..	62 .....	62 .....	Forbidden	75 kg	06	
	Cartridges, power device .....	1.3C	UN0275	II	1.3C ..	110	None ..	62 .....	62 .....	Forbidden	75 kg	07	
	Cartridges, power device .....	1.4C	UN0276	II	1.4C ..	110, 347	None ..	62 .....	62 .....	Forbidden	75 kg	06	
	Cartridges, power device .....	1.4S	UN0323	II	1.4S ..		63 .....	62 .....	62 .....	25 kg	100kg	05	
	Cartridges, safety, blank, see Cartridges for weapons, blank (UN 0014).	1.2C	UN0381	II	1.2C ..		None ..	62 .....	62 .....	Forbidden	Forbidden	07	
	Cartridges, safety, see Cartridges for weapons, inert projectile, or Cartridges, small arms 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 ..		63 .....	None	None	25 kg	100 kg	05	
D	Cartridges, small arms .....	ORM-D			None					30 kg gross	30 kg gross	A	
D	Cartridges power device (used to project fastening devices).....	ORM-D	None		None	347	63 .....	None	None	30 kg gross	30 kg gross	A	

UN number	Proper shipping name	Class	Subclass	Division	Section	Subsection	Quantity	Special provisions	Other	Notes
UN0055	Cartridges, starter, jet engine, see Cartridges, power device	1.4S	..	II	1.4S	..	50	None	None	100 kg
UN0379	Cases, cartridge, empty with primer	1.4C	..	II	1.4C	..	50	None	None	75 kg
UN0446	Cases, cartridges, empty with primer	1.4C	..	II	1.4C	..	..	None	None	75 kg
UN0447	Cases, combustible, empty, without primer	1.3C	..	II	1.3C	..	..	None	None	Forbidden
UN0447	Cases, combustible, empty, without primer	1.3C	..	II	1.3C	..	..	None	None	Forbidden
UN2969	Casing/head gasoline see Gasoline, Castor beans or Castor meat or Castor pomace or Castor flake	9	..	II	None	..	IB8, IP2, IP4, T3, TP33	155	204	No limit
UN1719	Causic alkali liquids, n.o.s.	8	..	III	8	..	B2, IB2, T11, TP2, TP27, IB3, T7, TP1, TP28	154	202	1 L
UN1719	Causic alkali liquids, n.o.s.	8	..	III	8	..	B2, IB2, T11, TP2, TP27, IB3, T7, TP1, TP28	154	203	5 L
UN3292	Causic potash, see Potassium hydroxide etc	4.3	..	II	4.3	..	..	189	189	25 kg gross
UN2000	Causic soda, (etc.) see Sodium hydroxide etc	4.1	..	III	4.1	..	..	None	213	100 kg
UN2002	Cells, containing sodium	4.2	..	III	4.2	..	IB8, IP3	None	213	Forbidden
UN1333	Celluloid, in block, rods, rolls, sheets, tubes, etc, except scrap	4.1	..	II	4.1	..	..	None	212	50 kg
UN3078	Celluloid, scrap	4.3	..	I	4.3	..	..	151	212	50 kg
UN1407	Cerium, slabs, ingots, or rods	4.3	..	I	4.3	..	..	None	211	15 kg
UN1407	Cerium, slabs, ingots, or rods	4.3	..	I	4.3	..	..	None	211	15 kg
UN1407	Cerium, slabs, ingots, or rods	4.3	..	I	4.3	..	..	None	211	15 kg
UN1407	Cerium, slabs, ingots, or rods	4.3	..	I	4.3	..	..	None	211	15 kg
UN1451	Cesium or Caesium	5.1	..	III	5.1	..	A1, A29, IB8, IP3, T1, TP33	152	213	100 kg
UN1451	Cesium nitrate or Caesium nitrate	5.1	..	III	5.1	..	A1, A29, IB8, IP3, T1, TP33	152	213	100 kg
NA1361	Charcoal briquettes, shell, screenings, wood, etc.	4.2	..	III	4.2	..	IB8, T1, TP33	151	213	100 kg
UN0457	Charges, bursting, plastics bonded	1.1D	..	II	1.1D	..	..	None	62	Forbidden
UN0458	Charges, bursting, plastics bonded	1.2D	..	II	1.2D	..	..	None	62	Forbidden
UN0459	Charges, bursting, plastics bonded	1.4D	..	II	1.4D	..	..	None	62	Forbidden
UN0460	Charges, bursting, plastics bonded	1.4S	..	II	1.4S	..	347	None	62	75 kg
UN0048	Charges, demolition	1.1D	..	II	1.1D	..	..	None	62	Forbidden
UN0056	Charges, depth	1.1D	..	II	1.1D	..	..	None	62	Forbidden
UN0056	Charges, expelling, explosive, for fire extinguishers, see Cartridges, power device	1.1D	..	II	1.1D	..	..	None	62	Forbidden
UN0442	Charges, explosive, commercial without detonator	1.2D	..	II	1.2D	..	..	None	62	Forbidden
UN0443	Charges, explosive, commercial without detonator	1.2D	..	II	1.2D	..	..	None	62	Forbidden
UN0444	Charges, explosive, commercial without detonator	1.4D	..	II	1.4D	..	..	None	62	75 kg
UN0445	Charges, explosive, commercial without detonator	1.4S	..	II	1.4S	..	347	None	62	100 kg
UN0271	Charges, propelling	1.1C	..	II	1.1C	..	..	None	62	Forbidden

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D	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	75 kg	06	
	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 ..		None ..	62 .....	None	Forbidden	Forbidden	07	
	Charges, shaped, without detonator .....	1.1D	UN0059	II	1.1D ..		None ..	62 .....	None	Forbidden	Forbidden	07	
	Charges, shaped, without detonator .....	1.2D	UN0439	II	1.2D ..		None ..	62 .....	None	Forbidden	Forbidden	07	
	Charges, shaped, without detonator .....	1.4D	UN0440	II	1.4D ..		None ..	62 .....	None	Forbidden	75 kg	06	
	Charges, shaped, without detonator .....	1.4S	UN0441	II	1.4S ..	347	None ..	62 .....	None	Forbidden	100 kg	05	
	Charges, supplementary explosive .....	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 .....		161 ..	161 .....	None	10 kg	10 kg	A	40
	Chloral, anhydrous, stabilized .....	6.1	UN2075	II	6.1 ..		153 ..	202 .....	243 ..	5 L	60 L	D	40
	Chlorate and borate mixtures .....	5.1	UN1458	II	5.1 ..		152 ..	212 .....	240 ..	5 kg	25 kg	A	56, 58
	Chlorate and magnesium chloride mixture solid.	5.1	UN1459	III	5.1 ..		152 ..	213 .....	240 ..	25 kg	100 kg	A	56, 58
	Chlorate and magnesium chloride mixture solution.	5.1	UN3407	III	5.1 ..		152 ..	212 .....	240 ..	5 kg	25 kg	A	56, 58
	Chlorate of potassium, see Potassium chlorate.												
Chlorate of soda, see Sodium chlorate.													
Chlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3210	III	5.1 ..		351, IB2, T4, TP1	152 .....	202 ..	1 L	5 L	A	56, 58, 133	
Chlorates, inorganic, n.o.s.	5.1	UN1461	III	5.1 ..		351, IB2, T4, TP1	152 .....	203 ..	2.5 L	30 L	B	56, 58, 133	
Chlorates, inorganic, n.o.s.	5.1	UN1461	III	5.1 ..		351, A9, IB6, IP2, N34, T3, TP33	152 .....	212 ..	5 kg	25 kg	A	56, 58	

UN2626	5.1	UN2626	II	5.1	IB2, T4, TP1	None	229	None	Forbidden	Forbidden	D	56, 58
Chloric acid aqueous solution, with not more than 10 percent chloric acid.	2.3	UN1017	II	5.1, 5.1, 8.	2, B9, B14, N86, T50, TP19	None	304	314, 315.	Forbidden	Forbidden	D	40, 51, 55, 62, 68, 89, 90
Chloride of phosphorus, see Phosphorus trichloride.												
Chloride of sulfur, see Sulfur chloride.												
Chlorinated lime, see Calcium hypochlorite mixtures, etc.												
Chlorine	2.3	UN1017	II	5.1, 5.1, 8.	2, B9, B14, N86, 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.	2.3, 5.1, 8.	1, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90
Chlorine trifluoride	2.3	UN1749	2.3, 5.1, 8.	2.3, 5.1, 8.	2, B7, B9, B14, N86	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, 44, 89, 100, 141
			III	8	A3, A6, A7, B2, IB3, N34, T4, TP2, TP24	154	203	241	5 L	60 L	B	26, 44, 89, 100, 141
			II	5.1	352, A7, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Chlorites, inorganic, n.o.s.	5.1	UN1462	II	5.1		306	304	314, 315.	Forbidden	150 kg	B	40
1-Chloro-1,1-difluoroethane or Refrigerant gas R 142b.	2.1	UN2517	2.1									
3-Chloro-4-methylphenyl isocyanate, liquid.	6.1	UN2236	II	6.1	IB2	153	202	243	5 L	60 L	B	40
3-Chloro-4-methylphenyl isocyanate, solid.	6.1	UN3428	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40
1-Chloro-1,2,2-tetrafluoroethane or Refrigerant gas R 124.	2.2	UN1021	2.2		T50	306	304	314, 315.	75 kg	150 kg	A	
4-Chloro-o-toluidine hydrochloride, solid.	6.1	UN1579	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
4-Chloro-o-toluidine hydrochloride, solution.	6.1	UN3410	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
1-Chloro-2,2,2-trifluoroethane or Refrigerant gas R 133a.	2.2	UN1983	2.2		T50	306	304	314, 315.	75 kg	150 kg	A	
Chloroacetic acid, molten	6.1	UN3250	II	6.1, 8	IB1, T7, TP3, TP28	None	202	243	Forbidden	Forbidden	C	40
Chloroacetic acid, solid	6.1	UN1751	II	6.1, 8	A3, A7, IB8, IP2, IP4, N34, T3, TP33	153	212	242	15 kg	50 kg	C	40
Chloroacetic acid, solution	6.1	UN1750	II	6.1, 8	A7, IB2, N34, T7, TP2	153	202	243	1 L	30 L	C	40



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	Chloroacetone, stabilized .....	6.1	UN1695	I	6.1, 3, 8.	2, B9, B14, B32, N12, N32, N34, T20, TP2, TP13, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	21, 40, 100
+	<i>Chloroacetone (unstabilized)</i> .....	Forbidden											
	Chloroacetone, liquid, (CN) .....	6.1	UN2668	I	6.1, 3	2, B9, B14, B32, IB9, T20, TP2, TP13, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	A	12, 40, 52
	Chloroacetophenone, liquid, (CN) .....	6.1	UN3416	II	6.1	A3, IB2, N12, N32, N33, T7, TP2, TP13	None ...	202 ...	243 ...	Forbidden	60 L	D	12, 40
	Chloroacetophenone, solid, (CN) .....	6.1	UN1697	II	6.1	A3, IB8, IP2, IP4, N12, N32, N33, N34, T3, TP2, TP13, TP33	None ...	212 ...	None	Forbidden	100 kg	D	12, 40
	Chloroacetyl chloride .....	6.1	UN1752	I	6.1, 8	2, B3, B8, B9, B14, B32, B77, N34, N43, T20, TP2, TP13, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40
	Chloroanilines, liquid .....	6.1	UN2019	II	6.1	IB8, IP2, IP4, T3, TP33	153	202	243	5 L	60 L	A	52
	Chloroanilines, solid .....	6.1	UN2018	II	6.1	IB8, IP3, T1, TP33	153	212	242	25 kg	100 kg	A	
	Chloroanisidines .....	6.1	UN2233	III	6.1	IB8, IP3, T1, TP33	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 Chlorobenzene.												
	Chlorobenzotrifluorides .....	3	UN2234	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	Chlorobenzyl chlorides, liquid .....	6.1	UN2235	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Chlorobenzyl chlorides, solid .....	6.1	UN3427	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Chlorobutanes .....	3	UN1127	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Chlorocresols solution .....	6.1	UN2669	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12
	Chlorocresols, solid .....	6.1	UN3437	III	6.1	IB3, T7, TP2	153	203	241	60 L	220 L	A	12
	Chlorodifluorobromomethane or Refrigerant gas R 12B1.	2.2	UN1974	II	2.2	IB8, IP2, IP4, T3, TP33	306	304	314, 315.	25 kg	100 kg	A	
	Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approximately 49 percent chlorodifluoromethane.	2.2	UN1973	II	2.2	T50	306	304	314, 315.	75 kg	150 kg	A	
	Chlorodifluoromethane or Refrigerant gas R 22.	2.2	UN1018	II	2.2	T50	306	304	314, 315.	75 kg	150 kg	A	
+	Chlorodinitrobenzenes, liquid, .....	6.1	UN1577	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	91
+	Chlorodinitrobenzenes, solid .....	6.1	UN3441	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	

2-Chloroethanal	6.1	UN2232	I	6.1	2, B9, B14, B32, 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	153	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	153	202	243	1 L	30 L	A	12, 13, 25, 40
Chloromethyl chloroformate	6.1	UN2745	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
Chloromethyl ethyl ether	3	UN2354	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
Chloronitroanilines	6.1	UN2237	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Chloronitrobenzenes, liquid	6.1	UN3409	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Chloronitrobenzenes, solid	6.1	UN1578	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Chloronitrotoluenes, liquid	6.1	UN2433	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	44, 89, 100, 141
Chloronitrotoluenes, solid	6.1	UN3457	III	6.1	IB8, IP3, T1, TP33	153	213	240	25 kg	200 kg	A	40
Chloropentafluoroethane or Refrigerant gas R 115	2.2	UN1020		2.2	T50	306	304	314, 315	25 kg, 75 kg	150 kg	A	40
Chlorophenolates, liquid or Phenolates, liquid	8	UN2904	III	8	IB3	154	203	241	5 L	60 L	A	40
Chlorophenolates, solid or Phenolates, solid	8	UN2905	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40
Chlorophenols, liquid	6.1	UN2021	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
Chlorophenols, solid	6.1	UN2020	III	6.1	IB8, IP3, T1, TP1, TP33	153	213	240	100 kg	200 kg	A	40
Chlorophenyldichlorosilane	8	UN1753	II	8	A7, B2, B6, N34, T10, TP2, TP7	None	206	242	Forbidden	30 L	C	40
Chloropicrin	6.1	UN1580	I	6.1	2, B7, B9, B14, B32, B46, T22, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Chloropicrin and methyl bromide mixtures	2.3	UN1581	2.3	2.3	2, B9, B14, N86, T50	None	193	314, 315	Forbidden	Forbidden	D	25, 40
Chloropicrin and methyl chloride mixtures	2.3	UN1582	2.3	2.3	2, N86, T50	None	193	245	Forbidden	Forbidden	D	25, 40
Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc.	6.1	UN1583	I	6.1	5	None	201	243	Forbidden	Forbidden	C	40
Chloropicrin mixtures, n.o.s.	6.1	UN1583	II	6.1	IB2	153	202	243	Forbidden	Forbidden	C	40
Chloroacetaldehyde	6.1	UN2633	I	6.1	IB3	153	203	241	Forbidden	Forbidden	C	40
Chloroacetaldehyde, stabilized	6.1	NA9263	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
Chloroacetic acid, solid	8	UN2507	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40
Chloroacetic acid, liquid	3	UN1991	I	3, 6.1	B57, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	40
Chloroacetylene, uninhibited	Forbidden											
1-Chloropropane	3	UN1278	II	3	IB2, IP8, N34, T7, TP2	None	202	242	Forbidden	60 L	E	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
G	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	3	IB3, T4, TP1	150	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	153	202	243	5 L	60 L	A	40	
	Chlorosilanes, corrosive, flammable, n.o.s.	8	UN2986	II	8, 3	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	C	40	
	Chlorosilanes, corrosive, n.o.s.	8	UN2987	II	8	B2, T14, TP2, TP7, TP13, TP27	None	206	242	Forbidden	30 L	C	40	
	Chlorosilanes, flammable, corrosive, n.o.s.	3	UN2985	II	3, 8	T14, TP2, TP7, TP13, TP27	None	206	243	1 L	5 L	B	40	
	Chlorosilanes, toxic, corrosive, flammable, n.o.s.	6.1	UN3362	II	6.1, 3, 8	T14, TP2, TP7, TP13, TP27	None	206	243	1 L	30 L	C	40, 125	
	Chlorosilanes, toxic, corrosive, n.o.s.	6.1	UN3361	II	6.1, 8	T14, TP2, TP7, TP13, TP27	None	206	243	1 L	30 L	C	40	
+	Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.	4.3	UN2988	I	4.3, 3, 8	A2, T14, TP2, TP7, TP13	None	201	244	Forbidden	1 L	D	21, 28, 40, 49, 100	
	Chlorosulfonic acid (with or without sulfur trioxide)	8	UN1754	I	8, 6.1	2, B9, B10, B14, B32, T20, TP2, TP38, TP45	None	227	244	Forbidden	Forbidden	C	40	
G	Chlorotoluenes	3	UN2238	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Chlorotoluidines, liquid	6.1	UN3429	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Chlorotoluidines, solid	6.1	UN2239	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with approximately 60 percent chlorotrifluoromethane.	2.2	UN2599		2.2		306	304	314, 315	75 kg	150 kg	A		
	Chlorotrifluoromethane or Refrigerant gas R 13.	2.2	UN1022		2.2		306	304	314, 315	75 kg	150 kg	A	40, 44, 89, 100, 141	
G	Chromic acid solution	8	UN1755	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 44, 89, 100, 141	
				III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	40, 44, 89, 100, 141	

Chromic anhydride, <i>see</i> Chromium trioxide, anhydrous.													52
Chromic fluoride, solid	8	UN1756	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A		
Chromic fluoride, solution	8	UN1757	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A		
Chromium nitrate	5.1	UN2720	III	5.1	IB3, T4, TP1	154	203	241	5 L	60 L	A		
Chromium oxychloride	8	UN1758	I	8	A1, A29, IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A		
Chromium trioxide, anhydrous	5.1	UN1463	II	5.1, 6.1, 8	A3, A6, A7, B10, N34, T10, TP2	None	201	243	0.5 L	2.5 L	C	40, 66, 74, 89, 90	
Chromosulfuric acid	8	UN2240	I	8	IB8, IP2, IP4, T3, TP33	None	212	242	5 kg	25 kg	A	66, 90	
Chromyl chloride, <i>see</i> Chromium oxychloride.													
Cigar and cigarette lighters, charged with fuel, <i>see</i> Lighters or Lighter refills containing flammable gas.													
Coal briquettes, hot	Forbidden												
Coal gas, compressed	2.3	UN1023		2.3, 2.1	3	None	302	314, 315	Forbidden	Forbidden	D		40
Coal tar distillates, flammable	3	UN1136	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
Coal tar dye, corrosive, liquid, n.o.s., <i>see</i> Dyes, liquid or solid, n.o.s. or													
Dye intermediates, liquid or solid, corrosive, n.o.s.													
Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining).	3	UN1139	I	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A		
Cobalt naphthenates, powder	4.1	UN2001	III	4.1	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E		
Cobalt resinate, precipitated	4.1	UN1318	III	4.1	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B		
Coke, hot	Forbidden												
Colloidal, <i>see</i> Nitrocellulose etc.													
Combustible liquid, n.o.s.	Comb liq	NA1993	III	None	IB3, T1, T4, TP1	150	203	241	60 L	220 L	A		
Components, explosive train, n.o.s.	1.2B	UN0382	II	1.2B	B1, IB3, T2, TP1	None	62	None	Forbidden	Forbidden	11		
Components, explosive train, n.o.s.	1.4B	UN0383	II	1.4B	A19, IB8, IP3, T1, TP33	None	62	None	Forbidden	75 kg	06		
Components, explosive train, n.o.s.	1.4S	UN0384	II	1.4S	A1, A19, IB6, T1, TP33	None	62	None	25 kg	100 kg	05		
Components, explosive train, n.o.s.	1.1B	UN0461	II	1.1B		None	62	None	Forbidden	Forbidden	11		
Composition B, <i>see</i> Hexolite, etc.													
Compounds, cleaning liquid	8	NA1760	I	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B		40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D G	Compounds, cleaning liquid	3	NA1993	III	8	B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid.	8	NA1760	I	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid.	3	NA1993	III	8	B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid.	3	NA1993	I	3	IB3, N37, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid.	3	NA1993	III	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	E	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid.	3	NA1993	III	3	B1, B52, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid.	6.1	NA2810	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Compressed gas, flammable, n.o.s.	2.1	UN1954	III	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
G	Compressed gas, n.o.s.	2.2	UN1956	II	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
G	Compressed gas, oxidizing, n.o.s.	2.2	UN3156	II	2.1		306	302	314, 315	Forbidden	150 kg	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A.	2.3	UN3304	II	2.2	A14	306, 307	302	314, 315	75 kg	150 kg	A	40
G I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B.	2.3	UN3304	II	2.3, 8		306	302	314, 315	75 kg	150 kg	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C.	2.3	UN3304	II	2.3, 8		306	302	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone D.	2.3	UN3305	II	2.3, 8		306	302	314, 315	Forbidden	Forbidden	D	40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone A.	2.3	UN3305	II	2.1, 8		306	302	314, 315	Forbidden	Forbidden	D	17, 40

G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i>	2.3	UN3305	2.3, 8	2, B9, B14	None ...	302, 305.	314, 315.	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C.</i>	2.3	UN3305	2.3, 8	3, B14	None ...	302, 305.	314, 315.	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN3305	2.3, 8	4	None ...	302, 305.	314, 315.	Forbidden	D	17, 40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A.</i>	2.3	UN1953	2.3, 2.1	1	None ...	192 ...	245 ...	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B.</i>	2.3	UN1953	2.3, 2.1	2, B9, B14	None ...	302, 305.	314, 315.	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C.</i>	2.3	UN1953	2.3, 2.1	3, B14	None ...	302, 305.	314, 315.	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN1953	2.3, 2.1	4	None ...	302, 305.	314, 315.	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone A.</i>	2.3	UN1955	2.3	1	None ...	192 ...	245 ...	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone B.</i>	2.3	UN1955	2.3	2, B9, B14	None ...	302, 305.	314, 315.	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone C.</i>	2.3	UN1955	2.3	3, B14	None ...	302, 305.	314, 315.	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN1955	2.3	4	None ...	302, 305.	314, 315.	Forbidden	D	40
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone A.</i>	2.3	UN3306	2.3, 5.1, 8	1	None ...	192 ...	244 ...	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i>	2.3	UN3306	2.3, 5.1, 8	2, B9, B14	None ...	302, 305.	314, 315.	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone C.</i>	2.3	UN3306	2.3, 5.1, 8	3, B14	None ...	302, 305.	314, 315.	Forbidden	D	40, 89, 90
G I	Compressed gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN3306	2.3, 5.1, 8	4	None ...	302, 305.	314, 315.	Forbidden	D	40, 89, 90
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone A.</i>	2.3	UN3303	2.3, 5.1	1	None ...	192 ...	245 ...	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone B.</i>	2.3	UN3303	2.3, 5.1	2, B9, B14	None ...	302, 305.	314, 315.	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone C.</i>	2.3	UN3303	2.3, 5.1	3, B14	None ...	302, 305.	314, 315.	Forbidden	D	40
G	Compressed gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN3303	2.3, 5.1	4	None ...	302, 305.	314, 315.	Forbidden	D	40
D	Consumer commodity	ORM-D		None		156, 306, 167	156, 306, 167	None	30 kg gross, 30 kg gross	A	
	Consumer commodity	9	ID6000	9		167	167	None	30 kg gross, 30 kg gross		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Contrivances, water-activated, with bursting, expelling charge or propel- ling charge.	1.2L	UN0248	II	1.2L ...		None ...	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
G	Contrivances, water-activated, with bursting, expelling charge or propel- ling charge.	1.3L	UN0249	II	1.3L ...		None ...	62	None	Forbidden	Forbidden	08	8E, 14E, 15E, 17E
	Copper acetarsenite	6.1	UN1585	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper acetylide	Forbidden											
	Copper amine azide	Forbidden											
	Copper arsenite	6.1	UN1586	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	6.1 3	UN2776	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Copper based pesticides, liquid, toxic	6.1	UN3010	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Copper based pesticides, liquid, toxic	6.1	UN3010	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Copper based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3009	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Copper based pesticides, solid, toxic	6.1	UN2775	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
	Copper chlorate	5.1	UN2721	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	5 kg	100 kg	A	40
	Copper chloride	8	UN2802	III	8	A1, IB8, IP2, IP4, T3, TP33	152	212	242	100 kg	200 kg	A	40
	Copper cyanide	6.1	UN1587	II	6.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
	Copper selenate, see Selenates or Selenites.												
	Copper selenite, see Selenates or Selenites.												

A W	Forbiddén	UN1363	III	4.2	IB8, IP3, IP7	None	213	241	Forbiddén	Forbiddén	A	13, 19, 48, 119
	Copper tetramine nitrate	4.2	III	4.2							A	
	Copra	1.1D	II	1.1D	102	63(a)	62	None	Forbiddén	Forbiddén	07	
	Cord, detonating, flexible	1.4D	II	1.4D		None	62	None	Forbiddén	Forbiddén	06	
	Cord, detonating, flexible	1.2D	II	1.2D		None	62	None	Forbiddén	Forbiddén	07	
	Cord, detonating or Fuse detonating metal clad	1.1D	II	1.1D		None	62	None	Forbiddén	Forbiddén	07	
	Cord, detonating, mild effect or Fuse, detonating, mild effect metal clad	1.4D	II	1.4D		None	62	None	Forbiddén	75 kg	06	
	Cord, igniter	1.4G	II	1.4G		None	62	None	Forbiddén	75 kg	06	
	Cordeau detonant fuse, see Cord, detonating, etc; Cord, detonating, flexible											
	Corflite, see Powder, smokeless											
G	Corrosive liquid, acidic, inorganic, n.o.s.	8 UN3264	I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
G	Corrosive liquid, acidic, organic, n.o.s.	8 UN3265	III	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
G	Corrosive liquid, basic, inorganic, n.o.s.	8 UN3266	III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
G	Corrosive liquid, basic, organic, n.o.s.	8 UN3267	I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 52
G	Corrosive liquid, basic, organic, n.o.s.	8 UN3301	III	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 52
G	Corrosive liquid, self-heating, n.o.s.	8 UN2920	I	8, 4.2	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52
G	Corrosive liquids, flammable, n.o.s.	8 UN1760	I	8, 3	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	C	25, 40
G	Corrosive liquids, n.o.s.	8 UN3093	III	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
G	Corrosive liquids, oxidizing, n.o.s.	8 UN2922	I	8, 5.1	A6, A7, B10, T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L	C	40
G	Corrosive liquids, toxic, n.o.s.	8 UN3094	III	8, 6.1	B3, IB2, T7, TP2	154	202	243	1 L	30 L	B	40
G	Corrosive liquids, water-reactive, n.o.s.		I	8, 4.3	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	B	40
			II	8, 4.3	A6, A7	None	201	243	Forbiddén	Forbiddén	1 L	
			II	8, 4.3	A6, A7	None	202	243	1 L	5 L	E	



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3260	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	
				II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	
				III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
G	Corrosive solid, acidic, organic, n.o.s.	8	UN3261	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	A	
				II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	
				III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
G	Corrosive solid, basic, inorganic, n.o.s.	8	UN3262	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	52
				II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	52
				III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	52
				II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	52
				III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
G	Corrosive solids, flammable, n.o.s.	8	UN2921	I	8, 4.1	IB6, T6, TP33	None	211	242	1 kg	25 kg	B	12, 25
				II	8, 4.1	IB8, IP2, IP4, T3, TP33	None	212	242	15 kg	50 kg	B	12, 25
G	Corrosive solids, n.o.s.	8	UN1759	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	
				II	8	128, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
				III	8	128, IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
G	Corrosive solids, oxidizing, n.o.s.	8	UN3084	I	8, 5.1	IB6, T6, TP33	None	211	242	1 kg	25 kg	C	
				II	8, 5.1	IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
G	Corrosive solids, self-heating, n.o.s.	8	UN3095	I	8, 4.2	IB6, IP2, T6, TP33	None	211	243	1 kg	25 kg	C	
				II	8, 4.2	IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
G	Corrosive solids, toxic, n.o.s.	8	UN2923	I	8, 6.1	IB7, T6, TP33	None	211	242	1 kg	25 kg	B	40
				II	8, 6.1	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	40
				III	8, 6.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	B	40, 95
G	Corrosive solids, water-reactive, n.o.s.	8	UN3096	I	8, 4.3	IB4, IP1, T6, TP33	None	211	243	1 kg	25 kg	D	
				II	8, 4.3	IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	D	
D W	Cotton	9	NA1365	9		137, IB8, IP2, IP4, W41	None	None	None	No limit	No limit	A	
A W	Cotton waste, oily	4.2	UN1364	III	4.2	IB8, IP3, IP7	None	213	None	Forbidden	Forbidden	A	54
A I	Cotton, wet	4.2	UN1365	III	4.2	IB8, IP3, IP7	None	204	241	Forbidden	Forbidden	A	
W	Carbamin derivative pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN3024	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Cyclobutane .....	2.1	UN2601		2.1 .....		306 .....	304 .....	314, 315, 243 .....	Forbidden	150 kg	B	40
	Cyclobutyl chloroformate .....	6.1	UN2744	II	6.1, 8, 3	IB1, T7, TP2, TP13	153 .....	202 .....	1 L	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
	Cycloheptane .....	3	UN2241	II	3 .....	IB2, T4, TP1	150 .....	202 .....	242 .....	5 L	60 L	B	40
	Cycloheptatriene .....	3	UN2603	II	3, 6.1	IB2, T7, TP1, TP13	150 .....	202 .....	243 .....	1 L	60 L	E	40
	Cycloheptene .....	3	UN2242	II	3	B1, IB2, T4, TP1	150 .....	202 .....	242 .....	5 L	60 L	B	40
	Cyclohexane .....	3	UN1145	II	3	IB2, T4, TP1	150 .....	202 .....	242 .....	5 L	60 L	E	40
	Cyclohexanone .....	3	UN1915	III	3	B1, IB3, T2, TP1	150 .....	203 .....	242 .....	60 L	220 L	A	40
	Cyclohexene .....	3	UN2256	II	3	IB2, T4, TP1	150 .....	202 .....	242 .....	5 L	60 L	E	40
	Cyclohexyltrichlorosilane .....	8	UN1762	II	8 .....	A7, B2, N34, T10, TP2, TP7, TP13	None .....	206 .....	242 .....	Forbidden	30 L	C	40
	Cyclohexyl acetate .....	3	UN2243	III	3 .....	B1, IB3, T2, TP1	150 .....	203 .....	242 .....	60 L	220 L	A	40
	Cyclohexyl isocyanate .....	6.1	UN2488	I	6.1, 3	2, B9, B14, B32, 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, N34, T10, TP2, TP7, TP13	None .....	206 .....	242 .....	Forbidden	30 L	C	40
	Cyclonite and cyclotetramethylenetetramine 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 Cyclotrimethylenetetramine, etc.												



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi- fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Loca- tion (10A)	Other (10B)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
D	Deflagrating metal salts of aromatic nitroderivatives, n.o.s., Delay electric igniter, see Igniters. Denatured alcohol .....	1.3C 3	UN0132 NA1987	II III	1.3C .. 3 .....		None ..	62 .....	None	Forbidden	Forbidden	10	5E
G	Depth charges, see Charges, depth. Desensitized explosive, liquid, n.o.s. Desensitized explosive, solid, n.o.s. Detonating relays, see Detonators, etc.	3 4.1	UN3379 UN3380	I I	3 .....	172, T8 172, B1, T7	150 .....	202 ... 203 ...	242 ... 242 ...	5 L 60 L	60 L 220 L	B A	
G	Detonator assemblies, non-electric for blasting.	1.1B	UN0360	II	1.1B ...		None ..	62 .....	None	Forbidden	Forbidden	11	
	Detonator assemblies, non-electric, for blasting.	1.4B	UN0361	II	1.4B ...	103	63(f), 63(g).	62 .....	None	Forbidden	75 kg	06	
	Detonator assemblies, non-electric, for blasting	1.4S	UN0500	II	1.4S ...	347	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	36
	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 ...	347	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 ...	347	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 ...	347	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
	Devices, small, hydrocarbon gas powered or Hydrocarbon gas refills for small devices with release de- vice.	2.1	UN3150		2.1 .....		306 .....	304 ...	None	1 kg	15 kg	B	40
	Di-n-amylnamine .....	3	UN2841	III	3, 6.1	B1, IB3, T4, TP1	150 .....	203 ... 204 ...	242 ...	60 L	220 L	A	

Di-n-butyl peroxydicarbonate, with more than 52 percent in solution.	UN2248	II	8, 3	IB2, T7, TP2	None	202	243	1 L	30 L	A	
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-di-tert-butylperoxy)cyclohexyl propane, with more than 42 percent with inert solid.											
Di-2,4-dichlorobenzoyl peroxide, with more than 75 percent with water.	UN2372	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
1,2-Di-(dimethylamino)ethane											
Di-2-ethylhexyl phosphoric acid, see Disooxyl acid phosphate.											
Di-(1-hydroxytetraazole) (dry)											
Di-(1-naphthoyl) peroxide											
a,a'-Di-(nitroxy) methyl ether											
Di-(beta-nitroxyethyl) ammonium nitrate											
Diacetone alcohol	UN1148	II III	3 3	IB2, T4, TP1 B1, IB3, T2, TP1	150 150	202 203	242 242	5 L 60 L	60 L 220 L	B A	
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.											
Diethylamine	UN2359	II	3, 6.1, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	21, 40, 100
Diallylether											
4,4'-Diaminodiphenyl methane	UN2360	II	3, 6.1	IB2, N12, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
p-Diazobenzene	UN2651	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
1,2-Diazidoethane											
1,1-Diazaminonaphthalene											
Diazaminotetrazole (dry)											
Diazodinitrophenol (dry)											
Diazodinitrophenol, wetted with not less than 40 percent water or mixture of alcohol and water, by mass.											
Diazodiphenylmethane	UN0074	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	12	
Diazonium nitrates (dry)											
Diazonium perchlorates (dry)											
1,3-Diazopropane											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Dibenzyl peroxydicarbonate, with more than 87 percent with water.</i>	8	UN2434	II	8	B2, T10, TP2, TP7, TP13	154	206	242	Forbidden	30 L	C	40
	<i>Dibenzylchlorosilane</i>	2.3	UN1911		2.3, 2.1	1, N89	None	302	None	Forbidden	Forbidden	D	40, 57
	<i>Diborane</i>	2.1	NA1911		2.1	5	None	302	245	Forbidden	Forbidden	D	40, 57
D	<i>Diborane mixtures</i>	Forbidden											
	<i>Dibromoacetylene</i>	6.1	UN2648	II	6.1	IB2	153	202	243	5 L	60 L	B	40
	<i>1,2-Dibromobutan-3-one</i>	6.1	UN2872	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	<i>Dibromochloropropane</i>	6.1		III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
A	<i>Dibromodifluoromethane, R12B2</i>	9	UN1941	III	None	T11, TP2	155	203	241	100 L	220 L	A	25
	<i>1,2-Dibromoethane, see Ethylene dibromide.</i>												
	<i>Dibromomethane</i>	6.1	UN2664	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	<i>Dibutyl ethers</i>	3	UN1149	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Dibutylaminoethanol</i>	6.1	UN2873	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	<i>N,N-Dichlorazodicarbonamide (salts of) (dry).</i>	Forbidden											
	<i>1,1-Dichloro-1-nitroethane</i>	6.1	UN2650	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 40, 74
D	<i>3,5-Dichloro-2,4,6-trifluoropyridine</i>	6.1	NA9264	I	6.1	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	40
	<i>Dichloroacetic acid</i>	8	UN1764	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	A	
	<i>1,3-Dichloroacetone</i>	6.1	UN2649	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 40
	<i>Dichloroacetyl chloride</i>	8	UN1765	II	8	A3, A6, A7, B2, B6, IB2, N34, T7, TP2	154	202	242	1 L	30 L	D	40
+	<i>Dichloroacetylene</i>	Forbidden											
	<i>Dichloroanilines, liquid</i>	6.1	UN1590	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	<i>Dichloroanilines, solid</i>	6.1	UN3442	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
+	<i>o-Dichlorobenzene</i>	6.1	UN1591	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	<i>2,2'-Dichlorodiethyl ether</i>	6.1	UN1916	II	6.1, 3	IB2, N33, N34, T7, TP2	153	202	243	5 L	60 L	A	
	<i>Dichlorodifluoromethane and difluoroethane azeotropic mixture or Refrigerant gas R 500 with approximately 74 percent dichlorodifluoromethane.</i>	2.2	UN2602		2.2	T50	306	304	314, 315	75 kg	150 kg	A	

Description	UN Number	Hazard Class	P-Code	T-Code	306	304	314, 315, 243, 242	75 kg	150 kg	A	40
								Forbidden 5 L	Forbidden 60 L		
Dichlorodifluoromethane or Refrigerant gas R 12	UN1028	2.2	I	T50	None	201	314, 315, 243, 242	Forbidden 5 L	Forbidden 60 L	A	40
Dichlorodimethyl ether, symmetrical	UN2249	6.1	II	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
1,1-Dichloroethane	UN2362	3	II	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
1,2-Dichloroethane, see Ethylene dichloride											
Dichloroethyl sulfide	UN1150	3	II	IB2, T7, TP2	150	202	242	5 L	60 L	B	13
1,2-Dichloroethylene	UN1029	2.2	II	T50	306	304	314, 315, 240	75 kg	150 kg	A	
Dichlorodifluoromethane or Refrigerant gas R21	UN2465	5.1	II	28, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	
Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts	UN2490	6.1	III	IB2, T7, TP2	153	202	243	5 L	60 L	B	
Dichloroisopropyl ether	UN1593	6.1	III	IB3, IP8, N36, T7, TP2	153	203	241	5 L	60 L	A	
Dichloromethane	UN1593	6.1	III	IB3, T2, TP1	150	203	242	60 L	220 L	A	
Dichloropentanes	UN1152	3	III	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Dichlorophenyl isocyanates	UN2250	6.1	II	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	25, 40, 48
Dichlorophenyltrichlorosilane	UN1766	8	II	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
1,2-Dichloropropane	UN1279	3	II	IB2, N36, T4, TP1	150	202	242	5 L	60 L	B	
1,3-Dichloropropanol-2	UN2750	6.1	II	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 40
Dichloropropene and propylene dichloride mixture, see 1,2-Dichloropropene											
Dichloropropene	UN2047	3	III	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Dichloropropenes	UN2189	2.3	III	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Dichlorosilane	UN2189	2.3	III	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	17, 40
1,2-Dichloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R 114	UN1958	2.2	II	T50	306	304	314, 315	75 kg	150 kg	A	
Dichlorovinylchloroarsine											
Dicycloheptadiene, see Bicyclo[2,2,1]hepta-2,5-diene, stabilized											
Dicyclohexylamine	UN2565	8	III	IB3, T4, TP1	154	203	241	5 L	60 L	A	
Dicyclohexylammonium nitrite	UN2687	4.1	III	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
Dicyclopentadiene	UN2048	3	III	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	48
Didymium nitrate	UN1465	5.1	III	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Diesel fuel	NA1993	3	III	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
Diesel fuel	UN1202	3	III	144, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Diethanol nitrosamine dinitrate (dry)											
Diethoxymethane	UN2373	3	II	IB2, T4, TP1	150	202	242	5 L	60 L	E	
3,3-Diethoxypropene	UN2374	3	II	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Diethyl carbonate	UN2366	3	III	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Diethyl cellosolve, see Ethylene glycol diethyl ether											
Diethyl ether or Ethyl ether	UN1155	3	I	T11, TP2	150	201	243	1 L	30 L	E	40
Diethyl ketone	UN1156	3	II	IB2, T4, TP1	150	202	242	5 L	60 L	B	



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
+	Diethyl peroxycarbonate, with more than 27 percent in solution.	Forbidden												
	Diethyl sulfate	6.1	UN1594	II	6.1	IB2, T7, TP2	153	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	A3, IB2, N34, T7, TP1	150	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-1-propanol	3	UN2684	III	3, 8	B1, IB3, T4, TP1	150	202	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, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40	
	Diethylene glycol dinitrate	Forbidden												
	Diethyleneglycol dinitrate, desensitized with not less than .25 percent non-volatile water-insoluble pigments, by mass.	1.1D	UN0075	II	1.1D		None	62	None	Forbidden	Forbidden	13	21E	
	Diethylenetriamine	8	UN2079	II	8	B2, IB2, T7, TP2	154	202	242	242	1 L	30 L	A	40, 52
	N,N-Diethylethylenediamine	8	UN2685	II	8, 3	IB2, T7, TP2	None	202	243	243	1 L	30 L	A	
	Diethylgold bromide	Forbidden												
	Diethylthiophosphoryl chloride	8	UN2751	II	8	B2, IB2, T7, TP2	None	212	240	240	15 kg	50 kg	D	12, 40
Difluorochloroethanes, see 1-Chloro-1,1-difluoroethanes.														
1,1-Difluoroethane or Refrigerant gas R 152a.	2.1	UN1030		2.1	T50	306	304	314, 315.	Forbidden	150 kg	B	40		
1,1-Difluoroethylene or Refrigerant gas R 1132a.	2.1	UN1959		2.1		306	304	None	Forbidden	150 kg	E	40		
Difluoromethane or Refrigerant gas R 32.	2.1	UN3252		2.1	T50	306	302	314, 315.	Forbidden	150 kg	D	40		
Difluorophosphoric acid, anhydrous	8	UN1768	II	8	A6, A7, B2, IB2, N5, N34, T8, TP2	None	202	242	242	1 L	30 L	A	40	
2,3-Dihydropyran	3	UN2376	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B		
1,8-Dihydroxy-2,4,5,7-tetraoxanthraquinone (chrysantronic acid).	Forbidden													
Dioabacetylene	Forbidden													
Diisobutyl ketone	3	UN1157	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A		
Diisobutylamine	3	UN2361	III	3, 8	B1, IB3, T4, TP1	150	203	242	242	5 L	60 L	A		
Diisobutylene, isomeric compounds	3	UN2050	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B		

Disocetyl acid phosphate .....	8	UN1902	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
Diisopropyl ether .....	3	UN1159	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
Diisopropylamine .....	3	UN1158	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	
<i>Diisopropylbenzene hydroperoxide, with more than 72 percent in solution.</i>	Forbidden											
Diketene, stabilized .....	6.1	UN2521	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	26, 27, 40
1,2-Dimethoxyethane .....	3	UN2252	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
1,1-Dimethoxyethane .....	3	UN2377	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	B	
Dimethyl carbonate .....	3	UN1161	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Dimethyl chlorophosphate, see Dimethyl thiophosphoryl chloride.</i>												
Dimethyl thiophosphoryl chloride .....	Forbidden											
<i>2,5-Dimethyl-2,5-dihydroperoxy hexane, with more than 82 percent with water.</i>												
Dimethyl disulfide .....	3	UN2381	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
Dimethyl ether .....	2.1	UN1033		2.1	T50	306	304	314	Forbidden	150 kg	B	40
Dimethyl-N-propylamine .....	3	UN2266	II	3, 8	IB2, T7, TP2, TP13	150	202	243	1 L	5 L	B	40
Dimethyl sulfate .....	6.1	UN1595	I	6.1, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Dimethyl sulfide .....	3	UN1164	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	40
Dimethyl thiophosphoryl chloride .....	6.1	UN2267	II	6.1, 8	IB2, T7, TP2	153	202	243	1 L	30 L	B	25
Dimethylamine, anhydrous .....	2.1	UN1032		2.1	N87, T50	None	304	314	Forbidden	150 kg	D	40
Dimethylamine solution .....	3	UN1160	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
2-Dimethylaminoacetone .....	3	UN2378	II	3, 6.1	IB2, T7, TP1	150	202	243	1 L	60 L	A	40, 52
2-Dimethylaminoethanol .....	8	UN2051	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	
2-Dimethylaminoethyl acrylate .....	6.1	UN3302	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	25
2-Dimethylaminoethyl methacrylate .....	6.1	UN2522	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	40
N,N-Dimethylaniline .....	6.1	UN2253	II	6.1	IB1, T7, TP2	153	202	243	5 L	60 L	A	
2,3-Dimethylbutane .....	3	UN2457	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	
1, 3-Dimethylbutylamine .....	3	UN2379	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
Dimethylcarbamoyl chloride .....	8	UN2262	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40
Dimethylcyclohexanes .....	3	UN2263	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
N,N-Dimethylcyclohexylamine .....	8	UN2264	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	40
Dimethylchlorosilane .....	3	UN1162	II	3, 8	B77, T10, TP2, TP7, TP13	None	206	243	Forbidden	Forbidden	B	40
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 .....	3	UN2265	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
<i>Dimethylhexane dihydroperoxide (dry).</i>	Forbidden											
Dimethylhydrazine, symmetrical .....	6.1	UN2382	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52, 74

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Dimethylhydrazine, unsymmetrical ...	6.1	UN1163	I	6.1, 3, 8.	2, B7, B9, B14, B32, T20, TP2, TP13, TP36, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	21, 38, 40, 82, 100, 40
	2,2-Dimethylpropane	2.1	UN2044		2.1		306	304	314, 315, 242	Forbidden	150 kg	E	
	Dinitro-o-cresol	6.1	UN1598	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	1,3-Dinitro-5-5-dimethyl hydantoin	Forbidden											
	Dinitro-7,8-dimethylglycoluril (dry)	Forbidden											
	1,3-Dinitro-4,5-dinitrobenzene	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, T3, TP33	153	212	242	25 kg	100 kg	A	91
	Dinitroanilines	6.1	UN1597	II	6.1	11, IB2, T7, TP2	153	202	243	5 L	60 L	A	91
	Dinitrobenzenes, liquid	6.1	UN1597	III	6.1	11, IB3, T7, TP2	153	203	241	60 L	220 L	A	91
	Dinitrobenzenes, solid	6.1	UN3443	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	91
	Dinitrochlorobenzene, see Chlorodinitrobenzene.	Forbidden											
	1,2-Dinitroethane	Forbidden											
	1,1-Dinitroethane (dry)	Forbidden											
	Dinitrogen tetroxide	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
	Dinitroglucuril or Dingu	1.1D	UN0489	II	1.1D		None	62	None	Forbidden	Forbidden	10	
	Dinitromethane	1.1D	UN0076	II	1.1D		None	62	None	Forbidden	Forbidden	10	5E
	Dinitrophenol, dry or wetted with less than 15 percent water, by mass.	6.1	UN1599	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	36
	Dinitrophenol solutions	6.1	UN1599	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	36
	Dinitrophenol, wetted with not less than 15 percent water, by mass.	4.1	UN1320	I	4.1	23, A8, A19, A20, N41	None ...	211 ...	None	1 kg	15 kg	E	28, 36
	Dinitrophenolates, alkali metals, dry or wetted with less than 15 percent water, by mass.	1.3C	UN0077	II	1.3C, 6.1		None	62	None	Forbidden	Forbidden	10	5E
	Dinitrophenolates, wetted with not less than 15 percent water, by mass.	4.1	UN1321	I	4.1, 6.1	23, A8, A19, A20, N41	None ...	211 ...	None	1 kg	15 kg	E	28, 36

	UN0078	II 1.1D ..	None ...	62 .....	None	Forbidden	Forbidden 10	5E
Dinitropropylene glycol .....	Forbidden 1.1D	II 1.1D ..	None ...	62 .....	None	Forbidden	Forbidden 10	5E
Dinitroresorcinol, dry or wetted with less than 15 percent water, by mass.								
2,4-Dinitroresorcinol (heavy metal salts of) (dry).	Forbidden							
4,6-Dinitroresorcinol (heavy metal salts of) (dry).	Forbidden							
Dinitroresorcinol, wetted with not less than 15 percent water, by mass.	4.1	I 4.1 .....	None ...	211 ...	None	1 kg	15 kg E	28, 36
3,5-Dinitrosalicylic acid (lead salt) (dry).	Forbidden							
Dinitrosobenzene .....	1.3C	II 1.3C ..	None ...	62 .....	None	Forbidden	Forbidden 10	
Dinitrosobenzylamine and salts of (dry).	Forbidden							
2,2-Dinitrostilbene .....	Forbidden							
Dinitrotoluenes, liquid .....	6.1	II 6.1 .....	153 .....	202 ...	243 ...	5 L	60 L A	
Dinitrotoluenes, molten .....	6.1	II 6.1 .....	None	202 ...	243 ...	Forbidden	Forbidden C	
Dinitrotoluenes, solid .....	6.1	II 6.1 .....	153 .....	212 ...	242 ...	25 kg	100 kg A	
1,9-Dinitroxy pentamethylene-2,4,6,8-tetramine (dry).	Forbidden							
Dioxane .....	3	II 3 .....	150 .....	202 ...	242 ...	5 L	60 L B	
Dioxolane .....	3	II 3 .....	150 .....	202 ...	242 ...	5 L	60 L B	40
Dipentene .....	3	III 3 .....	150 .....	203 ...	242 ...	60 L	220 L A	
Diphenylamine chlorarsine .....	6.1	I 6.1 .....	None	201 ...	None	Forbidden	Forbidden D	40
Diphenylchlorarsine, liquid .....	6.1	I 6.1 .....	None	201 ...	243 ...	Forbidden	Forbidden D	40
Diphenylchlorarsine, solid .....	6.1	I 6.1 .....	None	211 ...	242 ...	5 kg	50 kg D	40
Diphenylchlorosilane .....	8	II 8 .....	None	206 ...	242 ...	Forbidden	30 L C	40
Diphenylmethyl bromide .....	8	II 8 .....	154 .....	212 ...	240 ...	15 kg	50 kg D	40
Dipicyl sulfide, dry or wetted with less than 10 percent water, by mass.	1.1D	II 1.1D ..	None ...	62 .....	None	Forbidden	Forbidden 10	
Dipicyl sulfide, wetted with not less than 10 percent water, by mass.	4.1	I 4.1 .....	None ...	211 ...	None	Forbidden	0.5 kg D	28
Dipicrylamine, see Hexanitrodiphenylamine.								
Diopropyl peroxide, with more than 28 percent in solution.	Forbidden							
Din-propyl ether .....	3	II 3 .....	150 .....	202 ...	242 ...	5 L	60 L B	
Dipropyl ketone .....	3	III 3 .....	150 .....	203 ...	242 ...	60 L	220 L A	
Dipropylamine .....	3, 8	I 3, 8 .....	150 .....	202 ...	243 ...	1 L	5 L B	
Disinfectant, liquid, corrosive, n.o.s. ...	8	I 8 .....	None	201 ...	243 ...	0.5 L	2.5 L B	
Disinfectants, liquid, corrosive n.o.s. ...	8	II 8 .....	154 .....	202 ...	242 ...	1 L	30 L B	
Disinfectants, liquid, toxic, n.o.s. ...	6.1	III 6.1 .....	None	203 ...	241 ...	5 L	60 L A	40
Disinfectants, liquid, toxic, n.o.s. ...	6.1	I 6.1 .....	None	201 ...	243 ...	1 L	30 L A	40
Disinfectants, liquid, toxic, n.o.s. ...	6.1	III 6.1 .....	153 .....	202 ...	243 ...	5 L	60 L A	40
Disinfectants, liquid, toxic, n.o.s. ...	6.1	III 6.1 .....	153 .....	203 ...	241 ...	60 L	220 L A	40



UN Number	Description	Class	Subclass	IB, T, TP, etc.	None ...	None	247 ...	Forbidden	Forbidden	85
9 UN3257	Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.)	III	9	IB1, T3, TP3, TP29	None	None	247	Forbidden	A	85
9 UN3258	Elevated temperature solid, n.o.s., at or above 240 C, see §173.247(h)(4).	III	9		247 (h)(4)	None	247	Forbidden	A	85
9 UN3166	Engines, internal combustion, or Engines, fuel cell, flammable gas powered.	9	9	135	220	220	220	Forbidden	A	
9 UN3166	Engines internal combustion, or Engines, fuel cell, flammable liquid powered.	9	9	135	220	220	220	No limit	A	
9 UN3082	Environmentally hazardous substances, liquid, n.o.s.	III	9	8, 146, 173, 335, IB3, T4, TP1, TP29	155	203	241	No limit	A	
9 UN3077	Environmentally hazardous substances, solid, n.o.s.	III	9	8, 146, 335, A112, B54, IB8, IP3, N20, T1, TP33	155	213	240	No limit	A	
6.1 UN2558	Epibromohydrin	I	6.1, 3	T14, TP2, TP13	None	201	243	Forbidden	D	40
6.1 UN2023	Epichlorohydrin	I	6.1, 3	IB2, T7, TP2, TP13	153	202	243	60 L	A	40
3 UN2752	1,2-Epoxy-3-ethoxypropane	III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	
3 UN3272	Esters, n.o.s.	III	3	IB2, T7, TP1, TP8, TP28	150	202	242	60 L	B	
		III	3	B1, IB3, T4, TP1, TP29	150	203	242	220 L	A	
	Etching acid, liquid, n.o.s., see Hydrofluoric acid, etc.									
2.1 UN1035	Ethane	2.1	2.1	T75, TP5	306	304	302	Forbidden	E	40
2.1 NA1961	Ethane-Propane mixture, refrigerated liquid.	2.1	2.1		None	316	314, 315	Forbidden	D	40
2.1 UN1961	Ethane, refrigerated liquid	2.1	2.1	T75, TP5	None	None	315	Forbidden	D	40
3 UN3475	Ethanol and gasoline mixture or Ethanol and motor spirit mixture or Ethanol and petrol mixture, with more than 10% ethanol.	II	3	144, 177, IB2, T4, TP1	150	202	242	5 L	E	
3 UN1170	Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions.	II	3	24, IB2, T4, TP1	4b, 150	202	242	5 L	A	
8 UN2491	Ethanolamine or Ethanolamine solutions.	III	8	24, B1, IB3, T2, TP1, IB3, T4, TP1	4b, 150	203	242	60 L	A	
		III	8	154	154	203	241	60 L	A	52.
3 UN3271	Ethers, n.o.s.	II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	B	
3 UN1173	Ethyl acetate	III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	A	
3 UN1917	Ethyl acrylate, stabilized	II	3	IB2, T4, TP1	150	202	242	5 L	B	
	Ethyl alcohol, see Ethanol.									
	Ethyl aldehyde, see Acetaldehyde.									
3 UN2271	Ethyl amyl ketone	III	3	B1, IB3, T2, TP1	150	203	242	60 L	A	
6.1 UN3460	N-Ethylbenzyloluidines, solid	III	6.1	IB8, IP3, T1, TP33	153	213	240	200 kg	A	
6.1 UN2274	Ethyl borate	III	6.1	IB3, T4, TP1	153	203	241	220 L	A	
3 UN1176	Ethyl bromide	II	3	IB2, T4, TP1	150	202	242	60 L	B	
6.1 UN1891	Ethyl bromide	II	6.1	IB2, IP8, T7, TP2, TP13	153	202	243	5 L	B	40, 85

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
+	Ethyl bromoacetate .....	6.1	UN1603	II	6.1, 3	IB2, T7, TP2 B1, IB2, T4, TP1 B1, IB3, T2, TP1 B77, N86, T50 IB2, T7, TP2 2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45 B1, IB3, T2, TP1 2, B9, B14, B32, T20, TP2, TP38, TP45 IB2, T4, TP2 IB2, T4, TP1 IB2, T4, TP1 1, B9, B14, B30, T20, TP2, TP13, TP38, TP44 B1, IB3, T2, TP1 A6, T11, TP2, TP13 IB2, T4, TP1 2, B9, B14, B32, B74, T20, TP4, TP13, TP38, TP45 2, B9, B14, B32, B74, T20, TP4, TP13, TP38, TP45 1, 6.1, 4.2	None	202	243	Forbidden	Forbidden	D	40
	Ethyl butyl ether .....	3	UN1179	III	3		150	202	242	5 L	60 L	B	
	Ethyl butyrate .....	3	UN1180	III	3		150	203	242	60 L	220 L	A	40
	Ethyl chloride .....	2.1	UN1037	I	2.1		None	322	314	Forbidden	150 kg	B	
	Ethyl chloroacetate .....	6.1	UN1181	II	6.1, 3		153	202	243	5 L	60 L	A	21, 40, 100
	Ethyl chloroformate .....	6.1	UN1182	I	6.1, 3, 8		None	227	244	Forbidden	Forbidden	D	
	Ethyl 2-chloropropionate .....	3	UN2935	III	3		150	203	242	60 L	220 L	A	40
	Ethyl chloroformate .....	8	UN2826	II	8, 6.1, 3		None	227	244	Forbidden	Forbidden	A	
	Ethyl crotonate .....	3	UN1862	II	3		150	202	242	5 L	60 L	B	
	Ethyl ether, see Diethyl ether.												
Ethyl fluoride or Refrigerant gas R161.	2.1	UN2453	I	2.1	306	304	314	Forbidden	150 kg	E	40		
Ethyl formate .....	3	UN1190	II	3	150	202	242	5 L	60 L	E			
Ethyl hydroperoxide .....	Forbidden												
Ethyl isobutyrate .....	3	UN2385	II	3	150	202	242	5 L	60 L	B			
Ethyl isocyanate .....	6.1	UN2481	I	6.1, 3	None	226	244	Forbidden	Forbidden	D	40, 52		
Ethyl lactate .....	3	UN1192	III	3	150	203	242	60 L	220 L	A			
Ethyl mercaptan .....	3	UN2363	I	3	150	201	243	Forbidden	30 L	E	95, 102		
Ethyl methacrylate, stabilized .....	3	UN2277	II	3	150	202	242	5 L	60 L	B			
Ethyl methyl ether .....	2.1	UN1039	I	2.1	None	201	314	Forbidden	150 kg	B	40		
Ethyl methyl ketone or Methyl ethyl ketone.	3	UN1193	II	3	150	202	242	5 L	60 L	B			
Ethyl nitrite solutions .....	3	UN1194	I	3, 6.1	None	201	None	Forbidden	Forbidden	E	40, 105		
Ethyl orthoformate .....	3	UN2524	III	3	150	203	242	60 L	220 L	A			
Ethyl oxalate .....	6.1	UN2525	III	6.1	153	203	241	60 L	220 L	A			
Ethyl perchlorate .....	Forbidden												
Ethyl phosphonothioic dichloride, anhydrous.	6.1	NA2927	I	6.1, 8	None	227	244	Forbidden	Forbidden	D	40		
Ethyl phosphonous dichloride, anhydrous pyrophoric liquid.	6.1	NA2845	I	6.1, 4.2	None	227	244	Forbidden	Forbidden	D	18		

D	UN number	Proper shipping name	HAZARDOUS MATERIALS HAZARD CLASSIFICATION	PLACARD	DOT specification	Quantity	Forbidden	Forbidden	Forbidden	D	40
	6.1	NA2927	Ethyl phosphorodichloridate	I 6.1, 8	2, B9, B14, B32, B74, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	40
	3	UN1195	Ethyl propionate	II 3	IB2, T4, TP1	150	202	242	5 L	60 L	B
	3	UN2615	Ethyl propyl ether	II 3	IB2, T4, TP1	150	202	242	5 L	60 L	E
	2.1	UN2452	Ethyl silicate, see Tetraethyl silicate.	2.1	N88	None	304	314, 315	Forbidden	150 kg	B
	2.1	UN1036	Ethyl acetylene, stabilized	2.1	B77, N87, T50	None	321	314, 315	Forbidden	150 kg	D
	3	UN2270	Ethylamine	II 3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B
	6.1	UN2272	Ethylamine, aqueous solution with not less than 50 percent but not more than 70 percent ethylamine.	III 6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A
	6.1	UN2273	N-Ethylaniline	III 6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A
	3	UN1175	2-Ethylaniline	III 3	IB2, T4, TP1	150	202	242	5 L	60 L	B
	6.1	UN2753	Ethylbenzene	III 6.1	IB3, T7, TP1	153	203	241	60 L	220 L	A
	3	UN2275	N-Ethylbenzyloluidines liquid	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A
	3	UN1177	2-Ethylbutanol	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A
	3	UN1178	2-Ethylbutyl acetate	III 3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B
	6.1	UN1892	2-Ethylbutylaldehyde	I 6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D
	4.3	UN1183	Ethylchloroarsine	I 4.3, 8, 3	A2, A3, A7, N34, T14, TP2, TP7, TP13	None	201	244	Forbidden	1 L	D
	2.1	UN3138	Ethylchlorosilane	2.1	T75, TP5	None	304	314, 315	Forbidden	Forbidden	D
	6.1	UN1135	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.	I 6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D
	2.1	UN1962	Ethylene chlorohydrin	2.1		306	304	302	Forbidden	150 kg	E
	6.1	UN1605	Ethylene dichloride	I 6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D
	3	UN1184	Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibromide, liquid mixtures.	II 3, 6.1	IB2, N36, T7, TP1	150	202	243	1 L	60 L	B
	3	UN1153	Ethylene dichloride	II 3	IB2, T4, TP1	150	202	242	5 L	60 L	A
	Forbidden		Ethylene glycol diethyl ether	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A
	3	UN1171	Ethylene glycol dimethyl ether	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A
	3	UN1172	Ethylene glycol monoethyl ether	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A
	3	UN1188	Ethylene glycol monoethyl ether acetate.	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A
	3	UN1188	Ethylene glycol monomethyl ether	III 3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identifi-cation Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	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	2.3, 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	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	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	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	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	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	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 1 MPa (10 bar) at 50 degrees C.	2.3	UN1040	2.3	2.3, 2.1	4, 342, T50, TP20	None	323	323	Forbidden	Forbidden	D	40
	Ethylene, refrigerated liquid (cryogenic liquid).	2.1	UN1038	2.1	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, 52.

	UN1185	I	6.1, 3	1, B9, B14, B30, B77, N25, N32, T2, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
Ethyleneimine, stabilized											
Ethylhexaldehyde, see Octyl aldehydes etc.											
2-Ethylhexyl chloroformate	6.1 UN2748	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100, 40
2-Ethylhexylamine	3 UN2276	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
Ethylphenyldichlorosilane	8 UN2435	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	
1-Ethylpiperidine	3 UN2386	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
N-Ethyloluidines	6.1 UN2754	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Ethyltrichlorosilane	3 UN1196	II	3, 8	A7, N34, T10, TP2, TP7, TP13	None	206	243	1 L	5 L	B	40
Etiologic agent, see Infectious substances, etc.											
Explosive articles, see Articles, explosive, n.o.s. etc.											
Explosive, blasting, type A	1.1D UN0081	II	1.1D		None	62	None	Forbidden	Forbidden	10	19E, 21E
Explosive, blasting, type B	1.1D UN0082	II	1.1D		None	62	None	Forbidden	Forbidden	10	19E
Explosive, blasting, type B or Agent blasting, Type B	1.5D UN0331	II	1.5D	105, 106	None	62	None	Forbidden	Forbidden	10	19E
Explosive, blasting, type C	1.1D UN0083	II	1.1D	123	None	62	None	Forbidden	Forbidden	10	22E
Explosive, blasting, type D	1.1D UN0084	II	1.1D		None	62	None	Forbidden	Forbidden	10	
Explosive, blasting, type E	1.1D UN0241	II	1.1D		None	62	None	Forbidden	Forbidden	10	19E
Explosive, blasting, type E or Agent blasting, Type E	1.5D UN0332	II	1.5D	105, 106	None	62	None	Forbidden	Forbidden	10	19E
Explosive, forbidden. See § 173.54 ... Explosive substances, see Substances, explosive, n.o.s. etc.	Forbidden										
Explosives slurry, see Explosive, blasting, type E.											
Explosives, water gels, see Explosive, blasting, type E.											
Extracts, aromatic, liquid	3 UN1169	III	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	
Extracts, flavoring, liquid	3 UN1197	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Fabric with animal or vegetable oil, see Fibers or fabrics, etc.											
Ferric arsenate	6.1 UN1606	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Ferric arsenite	6.1 UN1607	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Ferric chloride, anhydrous	8 UN1773	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
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, T1, TP33	152	213	240	25 kg	100 kg	A	
Ferrocenium	4.1 UN1323	II	4.1	59, A19, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	Ferrosilicon with 30 percent or more but less than 90 percent silicon.	4.3	UN1408	III	4.3, 6.1	A1, A19, B6, IB8, IP4, IP7, T1, TP33	151	213	240	25 kg	100 kg	A	13, 40, 52, 53, 85, 103
D	Ferrous arsenate	6.1	UN1608	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
D	Ferrous chloride, solid	8	NA1759	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
	Ferrous chloride, solution	8	NA1760	II	8	B3, IB2, T11, TP2, TP27	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, IP7	None	213	241	25 kg	100 kg	A	
	Fertilizer ammoniating solution with free ammonia.	2.2	UN1043	2.2	2.2	N87	306	304	314, 315	Forbidden	150 kg	E	40
A I	Fibers, animal or Fibers, vegetable burnt, wet or damp.	4.2	UN1372	III	4.2		151	213	240	Forbidden	Forbidden	A	
IW	Fibers, vegetable, dry	4.1	UN3360	III	4.1	137	151	213	240	No Limit	No Limit	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, T1, TP33	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	
	Films, nitrocellulose base, from which gelatine has been removed; film scrap, see Celluloid scrap.	4.1	UN1324	III	4.1		None	183	None	25 kg	100 kg	D	28
	Films, nitrocellulose base, gelatine coated (except scrap).	4.1	UN1324	III	4.1		None	183	None	25 kg	100 kg	D	28
	Fire extinguisher charges, corrosive liquid.	8	UN1774	II	8	N41	154	202	None	1 L	30 L	A	
	Fire extinguisher charges, expelling, explosive, see Cartridges, power device.	2.2	UN1044	2.2	2.2	18, 110	309	309	None	75 kg	150 kg	A	
	Fire extinguishers containing compressed or liquefied gas.	4.1	UN2623	III	4.1	A1, A19	None	213	None	25 kg	100 kg	A	52
	Firelighters, solid with flammable liquid.	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	

UN Number	Proper Shipping Name	Class	Division	Subdivision	Special Provisions	Quantity	Label	Other
1.4G UN0336	Fireworks	II	1.4G	108	None	62	None	06
1.4S UN0337	Fireworks	II	1.4S	108	None	62	None	05
9 UN3316	First-aid kits	III	9	15	161	161	None	10 kg A
9 UN2216	Fish meal, stabilized or Fish scrap, stabilized.	III	None	155, IB8, IP3, T1, TP33	155	218	218	No limit B
4.2 UN1374	Fish meal, unstabilized or Fish scrap, unstabilized.	II	4.2	155, A1, A19, IB8, IP2, IP4, T3, TP33	None	212	241	50 kg B
3 UN3286	Flammable liquid, toxic, corrosive, n.o.s.	I	3, 6.1, 8	T14, TP2, TP13, TP27	None	201	243	2.5 L E
3 UN2924	Flammable liquids, corrosive, n.o.s.	II	3, 6.1, 8	IB2, T11, TP2, TP13, TP27	150	202	243	5 L B
3 UN1993	Flammable liquids, n.o.s.	I	3, 8	T14, TP2	None	201	243	2.5 L E
		II	3, 8	IB2, T11, TP2, TP27	150	202	243	5 L B
		III	3, 8	B1, IB3, T7, TP1, TP28	150	203	242	60 L A
		I	3	T11, TP1, TP27	150	201	243	30 L E
		II	3	IB2, T7, TP1, TP8, TP28	150	202	242	60 L B
		III	3	B1, B52, IB3, T4, TP1, TP29	150	203	242	220 L A
3 UN1992	Flammable liquids, toxic, n.o.s.	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	30 L E
		II	3, 6.1	IB2, T7, TP2, TP13	150	202	243	60 L B
		III	3, 6.1	B1, IB3, T7, TP1, TP28	150	203	242	220 L A
4.1 UN3180	Flammable solid, corrosive, inorganic, n.o.s.	II	4.1, 8	A1, IB6, IP2, T3, TP33	151	212	242	50 kg D
4.1 UN3178	Flammable solid, inorganic, n.o.s.	III	4.1, 8	A1, IB6, T1, TP33	151	213	242	100 kg D
		II	4.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	50 kg B
4.1 UN3176	Flammable solid, organic, molten, n.o.s.	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	100 kg B
		II	4.1	IB1, T3, TP3, TP26	151	212	240	Forbiddén C
4.1 UN3097	Flammable solid, oxidizing, n.o.s.	III	4.1	IB1, T1, TP3, TP26	151	213	240	Forbiddén C
		II	4.1	131	None	214	214	Forbiddén E
		III	4.1	131, T1, TP33	None	214	214	Forbiddén D
4.1 UN3179	Flammable solid, toxic, inorganic, n.o.s.	II	4.1	A1, IB6, IP2, T3, TP33	151	212	242	50 kg B
		III	4.1	A1, IB6, T1, TP33	151	213	242	100 kg B

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Flammable solids, corrosive, organic, n.o.s.	4.1	UN2925	II	4.1, 8	A1, IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	D	40
G	Flammable solids, organic, n.o.s.	4.1	UN1325	III	4.1, 8	A1, IB6, T1, TP33	151	213	242	25 kg	100 kg	D	40
G	Flammable solids, toxic, organic, n.o.s.	4.1	UN2926	III	4.1, 6.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	50 kg	B	40
	Flares, aerial	1.3G	UN0093	III	4.1, 6.1	A1, IB6, T1, TP33	151	213	242	25 kg	100 kg	B	40
	Flares, aerial	1.4G	UN0403	II	1.3G		None	62	None	Forbidden	75 kg	07	
	Flares, aerial	1.4S	UN0404	II	1.4G		None	62	None	Forbidden	75 kg	06	
	Flares, aerial	1.1G	UN0420	II	1.1G		None	62	None	25 kg	100 kg	05	
	Flares, aerial	1.2G	UN0421	II	1.2G		None	62	None	Forbidden	Forbidden	07	
	Flares, airplane, see Flares, aerial.												
	Flares, signal, see Cartridges, signal.												
	Flares, surface	1.3G	UN0092	II	1.3G		None	62	None	Forbidden	75 kg	07	
	Flares, surface	1.1G	UN0418	II	1.1G		None	62	None	Forbidden	Forbidden	07	
	Flares, surface	1.2G	UN0419	II	1.2G		None	62	None	Forbidden	Forbidden	07	
	Flares, water-activated, see Contri-vances, water-activated, etc.												
	Flash powder	1.1G	UN0094	II	1.1G		None	62	None	Forbidden	Forbidden	15	
	Flash powder	1.3G	UN0305	II	1.3G		None	62	None	Forbidden	Forbidden	15	
	Flue dusts, poisonous, see Arsenical dust.												
	Fluoric acid, see Hydrofluoric acid, etc.												
	Fluorine, compressed	2.3	UN1045		2.3, 5.1, 8	1, N86	None	302	None	Forbidden	Forbidden	D	40, 89, 90
	Fluoroacetic acid	6.1	UN2642	I	6.1	IB7, IP1, T6, TP33	None	211	242	1 kg	15 kg	E	
	Fluoroanilines	6.1	UN2941	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Fluorobenzene	3	UN2387	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Fluoroboric acid	8	UN1775	II	8	A6, A7, B2, B15, IB2, N3, N34, T7, TP2	154	202	242	1 L	30 L	A	
	Fluorophosphoric acid anhydrous	8	UN1776	II	8	A6, A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Placard	Other
6.1 UN2856	Fluorosilicates, n.o.s.	III	6.1	.....	IB8, IP3, T1, TP33	153	213	240	200 kg
8 UN1778	Fluorosilicic acid	II	8	.....	A6, A7, B2, B15, IB2, N3, N34, T8, TP2	None	202	242	30 L
8 UN1777	Fluorosulfonic acid	I	8	.....	A3, A6, A7, A10, B6, B10, N3, N36, T10, TP2	None	201	243	2.5 L
3 UN2388	Fluorotoluenes	II	3	.....	176, B1, IB3, T4, TP1	150	202	242	60 L
3 UN1198	Formaldehyde solutions, flammable	III	3, 8	.....	150	203	242	242	60 L
8 UN2209	Formaldehyde solutions (with not less than 10% and less than 25% formaldehyde), see Aviation regulated liquid, n.o.s. or Other regulated substances, liquid, n.o.s.	III	8	.....	IB3, T4, TP1	154	203	241	60
8 UN3412	Formaldehyde solutions, with not less than 25 percent formaldehyde. <i>Formalin</i> , see Formaldehyde, solutions.	II	8	.....	IB2, T7, TP2	154	202	242	30 L
8 UN3412	Formic acid with not less than 10% but not more than 85% acid by mass.	III	8	.....	IB3, T4, TP1	154	203	241	60 L
8 UN1779	Formic acid with not less than 5% but less than 10% acid by mass.	II	8, 3	.....	B2, B28, IB2, T7, TP2	154	202	242	30 L
1.1D UN0099	Formic acid with more than 85% acid by mass.	II	1.1D	.....		None	62	62	Forbidden
3 UN1863	Fracturing devices, explosive, without detonators for oil wells.	I	3	.....	144, T11, TP1, TP8, TP28	150	201	243	30 L
8 UN3477	Fuel, aviation, turbine engine	III	3	.....	144, IB2, T4, TP1, TP8	150	202	242	60 L
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing flammable liquids.	III	3	.....	144, B1, IB3, T2, TP1	230	230	230	220 L
3 UN3473	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing flammable liquids.	III	3	.....		230	230	230	50 kg
2.1 UN3479	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing hydrogen in metal hydride	II	2.1	.....		230	230	230	15 kg
2.1 UN3478	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing liquefied flammable gas.	II	2.1	.....		230	230	230	15 kg

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing water-reactive substances.	4.3	UN3476		4.3		230	230	230	5 kg	50 kg	A	
D	Fuel oil (No. 1, 2, 4, 5, or 6) ..... Fuel system components (including fuel control units (FCU), carburetors, fuel lines, fuel pumps) see Dangerous Goods in Apparatus or Dangerous Goods in Machinery. Fulminate of mercury (dry) ..... Fulminate of mercury, wet, see Mercury fulminate, etc. Fulminating gold ..... Fulminating mercury ..... Fulminating platinum ..... Fulminating silver ..... Fulminic acid ..... Fumaryl chloride ..... Fumigated lading, see §§ 172.302(g), 173.9 and 176.76(h). Fumigated transport vehicle or freight container see § 173.9.	3	NA1993	III	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
	Furaldehydes	6.1	UN1199	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	8, 40
	Furan	3	UN2389	I	3								
	Furfuryl alcohol	6.1	UN2874	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Furfurylamine	3	UN2526	III	3, 8	T12, TP2, TP13	None	201	243	1 L	30 L	E	
	Fuse, detonating, metal clad, see Cord, detonating, metal clad.					IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
	Fuse, detonating, mild effect, metal clad, see Cord, detonating, mild effect, metal clad.					B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
	Fuse, igniter tubular metal clad	1.4G	UN0103	II	1.4G		None	62	None	Forbidden	75 kg	06	
	Fuse, non-detonating instantaneous or quickmatch.	1.3G	UN0101	II	1.3G		None	62	None	Forbidden	Forbidden	07	
	Fuse, safety	1.4S	UN0105	II	1.4S		None	62	None	25 kg	100 kg	05	

UN Number	Proper Shipping Name	Class	Division	Subdivision	Special Provisions	Quantity	Label	Placard	Other
D	Fusee (railway or highway)	4.1	NA1325	II	4.1	None	184	None	50 kg B
	Fusel oil	3	UN1201	III	3	150	202	242	60 L B
	Fuses, tracer, see Tracers for ammunition.					150	203	242	220 L A
	Fuzes, combination, percussion and time, see Fuzes, detonating (UN0257, UN0367); Fuzes, igniting (UN0317, UN0368).								
	Fuzes, detonating	1.1B	UN0106	II	1.1B	None	62	None	Forbidden 11
	Fuzes, detonating	1.2B	UN0107	II	1.2B	None	62	None	Forbidden 11
	Fuzes, detonating	1.4B	UN0257	II	1.4B	116	62	None	75 kg 06
	Fuzes, detonating	1.4S	UN0367	II	1.4S	116	62	None	100 kg 05
	Fuzes, detonating, with protective features.	1.1D	UN0408	II	1.1D	None	62	None	Forbidden 07
	Fuzes, detonating, with protective features.	1.2D	UN0409	II	1.2D	None	62	None	Forbidden 07
	Fuzes, detonating, with protective features.	1.4D	UN0410	II	1.4D	116	62	None	75 kg 06
	Fuzes, igniting	1.3G	UN0316	II	1.3G	None	62	None	Forbidden 07
	Fuzes, igniting	1.4G	UN0317	II	1.4G	None	62	None	75 kg 06
	Fuzes, igniting	1.4S	UN0368	II	1.4S	None	62	None	100 kg 05
	Galactan trinitrate	Forbidden							
	Gallium	8	UN2803	III	8	None	162	240	20 kg B
	Gas cartridges, (flammable) without a release device, non-refillable.	2.1	UN2037		2.1	306	304	None	15 kg B
D	Gas identification set	2.3	NA9035		2.3	None	194	None	Forbidden D
G	Gas oil	3	UN1202	III	3	150	203	242	220 L A
	Gas, refrigerated liquid, flammable, n.o.s. (cryogenic liquid).	2.1	UN3312		2.1	None	316	318	Forbidden D
G	Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid).	2.2	UN3158		2.2	320	316	318	500 kg D
G	Gas, refrigerated liquid, flammable, n.o.s., not refrigerated liquid.	2.2	UN3311		2.2	320	316	318	Forbidden D
	Gas sample, non-pressurized, flammable, n.o.s., not refrigerated liquid.	2.1	UN3167		2.1	306	302	304	1 L D
	Gas sample, non-pressurized, toxic, flammable, n.o.s., not refrigerated liquid.	2.3	UN3168		2.3	306	302	304	1 L D
	Gas sample, non-pressurized, toxic, n.o.s., not refrigerated liquid.	2.3	UN3169		2.3	306	302	304	1 L D
	Gasohol gasoline mixed with ethyl alcohol, with not more than 10% alcohol.	3	NA1203	II	3	150	202	242	60 L E
	Gasoline includes gasoline mixed with ethyl alcohol, with not more than 10% alcohol.	3	UN1203	II	3	150	202	242	60 L E



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Gelatine, blasting, see Explosive, blasting, type A.</i> <i>Gelatine dynamites, see Explosive, blasting, type A.</i> Germane .....	2.3	UN2192		2.3, 2.1.	2	None ...	302 ...	245 ...	Forbidden	Forbidden	D	40
	<i>Glycerol-1,3-dinitrate</i> .....	Forbidden											
	<i>Glycerol gluconate trinitrate</i> .....	Forbidden											
	<i>Glycerol lactate trinitrate</i> .....	Forbidden											
	<i>Glycerol alpha-monochlorohydrin</i> .....	6.1	UN2689	III	6.1 .....	IB3, T4, TP1	153 .....	203 ...	241 ...	60 L	220 L	A	40
	<i>Glyceryl trinitrate, see Nitroglycerin, etc.</i>												
	<i>Glycidaldehyde</i> .....	3	UN2622	II	3, 6.1		150 .....	202 ...	243 ...	1 L	60 L	A	40
	<i>Grenades, hand or rifle, with bursting charge,</i>	1.1D	UN0284	II	1.1D ..	IB2, IP8, T7, TP1	62 .....	62 ...	None	Forbidden	Forbidden	07	
	<i>Grenades, hand or rifle, with bursting charge,</i>	1.2D	UN0285	II	1.2D ..		62 .....	62 ...	None	Forbidden	Forbidden	07	
	<i>Grenades, hand or rifle, with bursting charge,</i>	1.1F	UN0292	II	1.1F ...		62 .....	62 ...	None	Forbidden	Forbidden	08	
	<i>Grenades, hand or rifle, with bursting charge,</i>	1.2F	UN0293	II	1.2F ...		62 .....	62 ...	None	Forbidden	Forbidden	08	
	<i>Grenades, illuminating, see Ammunition, illuminating, etc.</i>												
	<i>Grenades, practice, hand or rifle</i> .....	1.4S	UN0110	II	1.4S ...		62 .....	62 ...	None	25 kg	100 kg	05	
	<i>Grenades, practice, hand or rifle</i> .....	1.3G	UN0318	II	1.3G ..		62 .....	62 ...	None	Forbidden	Forbidden	07	
	<i>Grenades, practice, hand or rifle</i> .....	1.2G	UN0372	II	1.2G ..		62 .....	62 ...	None	Forbidden	Forbidden	07	
	<i>Grenades, practice, hand or rifle</i> .....	1.4G	UN0452	II	1.4G ..		62 .....	62 ...	None	Forbidden	75 kg	06	
	<i>Grenades, smoke, see Ammunition, smoke, etc.</i>												
	<i>Guanine nitrate</i> .....	5.1	UN1467	III	5.1 .....	A1, IB8, IP3, T1, TP33	152 .....	213 ...	240 ...	25 kg	100 kg	A	73
	<i>Guanyl nitrosaminoquanylidene hydrazine (dry)</i> .....	Forbidden											
	<i>Guanyl nitrosaminoquanylidene hydrazine, wetted with not less than 30 percent water, by mass.</i>	1.1A	UN0113	II	1.1A ...	111, 117	None ...	62 .....	None	Forbidden	Forbidden	12	
	<i>Guanyl nitrosaminoquanyltetrazeno (dry)</i> .....	Forbidden											

1.1A	UN0114	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	12
	Guanyl nitrosaminoguanyltetrazeno, wetted or Tetrazeno, wetted with not less than 30 percent water or mixture of alcohol and water, by mass.									
4.2	UN2545	I	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	211	242	Forbidden	Forbidden	D
	Gunpowder, compressed or Gunpowder in pellets, see Black powder (UN 0029).	II	4.2		None	212	241	15 kg	50 kg	D
4.1	UN1326	III	4.2	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	D
	Gunpowder, granular or, as a meal, see Black powder (UN 0027).	II	4.1	A6, A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	E
	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.									74
	Hand signal device, see Signal devices, hand.									
	Hazardous substances, liquid or solid, n.o.s., see Environmentally hazardous substances, etc.									
D G	9 NA3082	III	9	IB3, T2, TP1	155	203	241	No limit	No limit	A
D G	9 NA3077	III	9	B54, IB8, IP2, T1, TP33	155	213	240	No limit	No limit	A
	3 UN1202	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A
	2.2 UN1046		2.2		306	302	302, 314,	75 kg	150 kg	A
	2.2 UN1963		2.2	T75, TP5	320	316	318	50 kg	500 kg	D
	2.2 UN3296		2.2	T50	306	304	314,	75 kg	150 kg	A
	3 UN3056	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A
	3 UN1206	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B
	3 UN2278	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B
	6.1 UN2661	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	B
	6.1 UN2729	III	6.1	B3, IB8, IP3, T1, TP33	153	203	241	60 L	220 L	A
	6.1 UN2279	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A
	6.1 UN2646	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D
	6.1 UN2875	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A
	8 UN1781	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C
	3 UN2458	II	3	IB2, T4, TP1	None	202	242	5 L	60 L	B
	2.3 UN1612		2.3		None	334	None	Forbidden	Forbidden	D
	Hexachlorophene									40
	Hexadecylchlorosilane									40
	Hexadienes									40
	Hexaethyl tetraphosphate and compressed gas mixtures.									40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
	Hexaethyl tetraphosphate, liquid	6.1	UN1611	II	6.1	IB2, N76, T7, TP2	153	202	243	5 L	60 L	E	40	
	Hexaethyl tetraphosphate, solid	6.1	UN1611	II	6.1	IB8, IP2, IP4, N76	153	212	242	25 kg	100 kg	E	40	
	Hexafluoroacetone	2.3	UN2420		2.3, 8	2, B9, B14	None	304	314	Forbidden	Forbidden	D	40	
	Hexafluoroacetone hydrate, liquid	6.1	UN2552	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	40	
	Hexafluoroacetone hydrate, solid	6.1	UN3436	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40	
	Hexafluoroethane, or Refrigerant gas R 116.	2.2	UN2193		2.2		306	304	314	75 kg	150 kg	A		
	Hexafluorophosphoric acid	8	UN1782	II	8	A6, A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A		
	Hexafluoropropylene compressed or Refrigerant gas R 1216.	2.2	UN1858		2.2	T50	306	304	314	75 kg	150 kg	A		
	Hexaldehyde	3	UN1207	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Hexamethylene diisocyanate	6.1	UN2281	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	C	13, 40	
	Hexamethylene triperoxide diamine (dry).	Forbidden												
	Hexamethylenediamine, solid	8	UN2280	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12	
	Hexamethylenediamine solution	8	UN1783	III	8	IB2, T7, TP2	None	202	242	1 L	30 L	A		
	Hexamethyleneimine	3	UN2493	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
	Hexamethylenetetramine	3	UN1328	III	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40	
	Hexamethylol benzene hexanitrate	4.1	UN1328	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A		
	Hexanes	3	UN1208	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E		
	2,2', 4,4', 6,6'-Hexanitro-3,3'-dihydroxyazobenzene (dry).	Forbidden												
	Hexanitroazoxy benzene	Forbidden												
	N,N'-(hexanitrodiphenyl) ethylene diamine (dry).	Forbidden												
	Hexanitrodiphenyl urea	Forbidden												
	2,2', 3,3', 4,4', 6-Hexanitrodiphenylamine	Forbidden												
	Hexanitrodiphenylamine or Dipicylamine or Hexyl.	1.1D	UN0079	II	1.1D		None	62	None	Forbidden	Forbidden	10		
	2,3', 4,4', 6,6'-Hexanitrodiphenylether	Forbidden												
	Hexanitroethane	Forbidden												
	Hexanitrooxamide	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	74
1-Hexene .....	3 UN2370	II 3 .....	IB2, T4, TP1	150 .....	202 .....	242 .....	5 L	60 L	E	
Hexogen .....										
cyclotetramethylenetetramine 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 Hexitol dry or wetted with less than 15 percent water, by mass.	1.1D UN0118	II 1.1D ..		None ...	62 .....	None	Forbidden	Forbidden	10	
Hexonal .....	1.1D UN0393	II 1.1D ..		None ...	62 .....	None	Forbidden	Forbidden	10	
Hexyl, see Hexanitrodiphenylamine.										
Hexyltrichlorosilane .....	8 UN1784	II 8 .....	A7, B2, B6, N34, T10, TP2, TP7, TP13	None ...	206 .....	242 .....	Forbidden	30 L	C	40
High explosives, see individual explosives' entries.										
HMX, see Cyclotetramethylenetetramine, etc.										
Hydrazine, anhydrous .....	8 UN2029	I 8, 3, 6.1.	A3, A6, A7, A10, B7, B16, B53	None ...	201 .....	243 .....	Forbidden	2.5 L	D	40, 52, 125.
Hydrazine, aqueous solution, with not more than 37 percent hydrazine, by mass.	6.1 UN3293	III 6.1 .....	IB3, T4, TP1	153 .....	203 .....	241 .....	60 L	220 L	A	52.
Hydrazine aqueous solution, flammable with more than 37% hydrazine, by mass.	8 UN3484	I 8, 3, 6.1.	B16, B53, T10, TP2, TP13	None ...	201 .....	243 .....	Forbidden	2.5 L	D	40, 52, 125
Hydrazine aqueous solution, with more than 37% hydrazine, by mass.	8 UN2030	I 8, 6.1	B16, B53, T10, TP2, TP13	None ...	201 .....	243 .....	Forbidden	2.5 L	D	40, 52
Hydrazine azide .....		II 8, 6.1	B16, B53, IB2, T7, TP2, TP13	None ...	202 .....	243 .....	Forbidden	30 L	D	40, 52
Hydrazine chlorate .....		III 8, 6.1	B16, B53, IB3, T4, TP1	154 .....	203 .....	241 .....	5 L	60 L	D	40, 52
Hydrazine dicarbonic acid diazide .....										
Hydrazine perchlorate .....		II 8, 6.1	B16, B53, IB2, T7, TP2, TP13	None ...	202 .....	243 .....	Forbidden	30 L	D	40
Hydrazine selenate .....		III 8, 6.1	B16, B53, IB3, T4, TP1	154 .....	203 .....	241 .....	5 L	60 L	D	40
Hydrazine selenite .....										

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other	
	<i>Hydriodic acid, anhydrous, see Hydrogen iodide, anhydrous.</i> Hydriodic acid .....	8	UN1787	II	8	A3, A6, B2, IB2, N41, T7, TP2 IB3, T4, TP1	154 .....	202 ...	242 ...	1 L	30 L	C		
	<i>Hydrobromic acid, anhydrous, see Hydrogen bromide, anhydrous.</i> Hydrobromic acid, with more than 49 percent hydrobromic acid .....	8	UN1788	III	8	B2, B15, IB2, N41, T7, TP2 IB3, T4, TP1	154 .....	202 ...	242 ...	Forbidden	Forbidden	C		
	Hydrobromic acid, with not more than 49 percent hydrobromic acid .....	8	UN1788	II	8	A3, A6, B2, B15, IB2, N41, T7, TP2 A3, IB3, T4, TP1	154 .....	202 ...	242 ...	Forbidden	Forbidden	C		8
	Hydrocarbon gas mixture, compressed, n.o.s.	2.1	UN1964	III	8	A3, IB3, T4, TP1	154 .....	203 ...	241 ...	5 L	60 L	C		8
	Hydrocarbon gas mixture, liquefied, n.o.s.	2.1	UN1965	2.1	2.1	T50	306 .....	302 ...	314, 315	Forbidden	150 kg	E		40
	Hydrocarbons, liquid, n.o.s. ....	3	UN3295	I	3	144, T11, TP1, TP8, TP28	150 .....	201 ...	243 ...	1 L	30 L	E		
	.....			II	3	144, IB2, T7, TP1, TP8, TP28	150 .....	202 ...	242 ...	5 L	60 L	B		
	.....			III	3	144, B1, IB3, T4, TP1, TP29	150 .....	203 ...	242 ...	60 L	220 L	A		
	<i>Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous.</i> Hydrochloric acid .....	8	UN1789	II	8	A3, A6, B3, B15, IB2, N41, T8, TP2 A3, IB3, T4, TP1	154 .....	202 ...	242 ...	1 L	30 L	C		
	<i>Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc.</i> Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide .....	6.1	UN1613	III	8	2, B61, B65, B77, B82, T20, TP2, TP13	None ...	195 ...	244 ...	Forbidden	Forbidden	D		40
D	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



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Hydrogen difluoride, solid, n.o.s. ....	8	UN1740	II	8	IB8, IP2, IP4, N3, N34, T3, TP33	None	212	240	15 kg	50 kg	A	25, 40, 52
	Hydrogen difluoride solution, n.o.s. ....	8	UN3471	III	8	IB8, IP3, N3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	25, 40, 52
	Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water, and not more than 5 percent peroxyacetic acid.	5.1	UN3149	III	8, 6.1	IB2, T7, TP2	154	202	242	1 L	30 L	A	25, 40, 52
	Hydrogen peroxide, aqueous solutions with not less than 40 percent hydrogen peroxide (stabilized as necessary).	5.1	UN2014	II	5.1, 8	145, A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24	None	202	243	5 L	60 L	A	25, 40, 52
	Hydrogen peroxide, aqueous solutions with not less than 20 percent hydrogen peroxide (stabilized as necessary).	5.1	UN2014	II	5.1, 8	12, A60, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	Forbidden	Forbidden	D	25, 66, 75
	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	A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37	None	202	243	1 L	5 L	D	25, 66, 75
	Hydrogen peroxide, stabilized or hydrogen peroxide, aqueous solutions, stabilized with more than 60 percent hydrogen peroxide.	5.1	UN2015	I	5.1, 8	A1, IB2, IP5, T4, TP1, TP6, TP24, TP37	152	203	241	2.5 L	30 L	B	25, 66, 75
	Hydrogen, refrigerated liquid (cryogenic liquid).	2.1	UN1966	2.1	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.	2.3	UN1053	2.3	2.1	2, B9, B14, N89	None	304	314, 315	Forbidden	Forbidden	D	40
	Hydrogen sulfide	2.3	UN1053	2.3	2.1	2, B9, B14, N89	None	304	314, 315	Forbidden	Forbidden	D	40

Hydrosilicofluoric acid, <i>see</i> Fluorosilicic acid.																							
1-Hydroxybenzotriazole, anhydrous, dry or wetted with less than 20 percent water, by mass.	1.3C	UN0508	1.3C				None	62	None	Forbidden	Forbidden	10	28, 36										
1-Hydroxybenzotriazole, monohydrate.	4.1	UN3474	I 4.1	N90	None	None	None	211	None	0.5 kg	0.5 kg	D											
Hydroxylamine iodide	Forbidden		III 8	IB8, IP3, T1, TP33	154	213	240	240	240	25 kg	100 kg	A	26										
Hydroxylamine sulfate	8	UN2865	II 8	A7, B2, B15, B2, IP5, N34, T7, TP2, TP24	154	202	242	242	242	1 L	30 L	B											
Hypochlorite solutions	8	UN1791	III 8	IB3, N34, T4, TP2, TP24	154	203	241	241	241	5 L	60 L	B	26										
	5.1	UN3212	II 5.1	349, A9, IB8, IP2, IP4, T3, TP33	152	212	240	240	240	5 kg	25 kg	D	4, 48, 52, 56,										
Hypochlorites, inorganic, n.o.s.																							
<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	62	None	Forbidden	Forbidden	07											
	1.2G	UN0314	II 1.2G		None	62	None	62	None	Forbidden	Forbidden	07											
	1.3G	UN0315	II 1.3G		None	62	None	62	None	Forbidden	Forbidden	06											
	1.4G	UN0325	II 1.4G		None	62	None	62	None	Forbidden	75 kg	06											
	1.4S	UN0454	II 1.4S		None	62	None	62	None	25 kg	100 kg	05											
3,3'-iminodipropylamine	8	UN2269	III 8	IB3, T4, TP2	154	203	241	241	241	5 L	60 L	A	40										
Infectious substances, affecting animals only.	6.2	UN2900	6.2	A82	134	196	None	196	None	50 mL or 50 g	4 L or 4 kg	B	40										
Infectious substances, affecting humans.	6.2	UN2814	6.2	A82	134	196	None	196	None	50 mL or 50 g	4 L or 4 kg	B	40										
Inflammable, <i>see</i> Flammable.																							
Initiating explosives (dry)	Forbidden																						
Inositol hexanitrate (dry)	Forbidden																						
Insecticide gases, n.o.s.	2.2	UN1968	2.2		306	304	314,	304	314,	75 kg	150 kg	A	40										
	2.1	UN3354	2.1	T50	306	304	314,	304	314,	Forbidden	150 kg	D	40										
	2.3	UN3355	2.3	1	None	192	315,	192	315,	Forbidden	Forbidden	D	40										
Insecticide gases, toxic, flammable, n.o.s. Inhalation hazard Zone A.	2.3	UN3355	2.3, 2.1		None	302,	314,	302,	314,	Forbidden	Forbidden	D	40										
Insecticide gases, toxic, flammable, n.o.s. Inhalation hazard Zone B.	2.3	UN3355	2.3, 2.1	2, B9, B14	None	305,	315,	302,	314,	Forbidden	Forbidden	D	40										
Insecticide gases, toxic, flammable, n.o.s. Inhalation hazard Zone C.	2.3	UN3355	2.3, 2.1	3, B14	None	305,	315,	302,	314,	Forbidden	Forbidden	D	40										
Insecticide gases, toxic, flammable, n.o.s. Inhalation hazard Zone D.	2.3	UN3355	2.3, 2.1	4	None	305,	315,	302,	314,	Forbidden	Forbidden	D	40										
Insecticide gases, toxic, n.o.s.	2.3	UN1967	2.3	3	None	193,	245	193,	245	Forbidden	Forbidden	D	40										
<i>Inulin trinitrate (dry)</i>	Forbidden																						
Iodine	8	UN3495	III 8, 6.1	IB8, IP3, T1, TP33	154	213	240	240	240	25 kg	100 kg	B	40, 55										
Iodine azide (dry)	Forbidden																						
Iodine monochloride	8	UN1792	II 8	B6, IB8, IP2, IP4, N41, T7, TP2	None	212	240	240	240	Forbidden	50 kg	D	40, 66, 74, 89, 90										



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Iodine pentafluoride .....	5.1	UN2495	I	5.1, 6.1, 8.		None ...	205 ...	243 ...	Forbidden	Forbidden	D	25, 40, 52, 66, 90
	2-Iodobutane .....	3	UN2390	II	3	IB2, T4, TP1	150 ...	202 ...	242 ...	5 L	60 L	B	
	Iodomethypropanes .....	3	UN2391	II	3	IB2, T4, TP1	150 ...	202 ...	242 ...	5 L	60 L	B	
	Iodopropanes .....	3	UN2392	III	3	B1, IB3, T2, TP1	150 ...	203 ...	242 ...	60 L	220 L	A	
	<i>Iodoxy compounds (dry)</i> .....	Forbidden											
	<i>Iridium nitratopentamine iridium ni-trate.</i> .....	Forbidden											
	<i>Iron chloride, see Ferric chloride.</i> .....												
	<i>Iron oxide, spent, or iron sponge, spent obtained from coal gas puri-ficator.</i> .....	4.2	UN1376	III	4.2	B18, IB8, IP3, T1, TP33	None ...	213 ...	240 ...	Forbidden	Forbidden	E	
	<i>Iron pentacarbonyl</i> .....	6.1	UN1994	I	6.1, 3	1, B9, B14, B30, B77, T22, TP2, TP13, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	D	40
	<i>Iron sesquichloride, see Ferric chlo-ride.</i> .....												
	<i>Irritating material, see Tear gas sub-stances, etc.</i> .....												
	<i>Isobutane see also Petroleum gases, liquefied.</i> .....	2.1	UN1969		2.1	19, T50	306 ...	304 ...	314, 315.	Forbidden	150 kg	E	40
	<i>Isobutanol or isobutyl alcohol</i> .....	3	UN1212	III	3	B1, IB3, T2, TP1	150 ...	203 ...	242 ...	60 L	220 L	A	
	<i>Isobutyl acetate</i> .....	3	UN1213	II	3	IB2, T4, TP1	150 ...	202 ...	242 ...	5 L	60 L	B	
	<i>Isobutyl acrylate, stabilized</i> .....	3	UN2527	III	3	B1, IB3, T2, TP1	150 ...	203 ...	242 ...	60 L	220 L	A	
	<i>Isobutyl alcohol, see Isobutanol.</i> .....												
	<i>Isobutyl aldehyde, see Isobutyraldehyde.</i> .....												
	<i>Isobutyraldehyde.</i> .....	3	UN2393	II	3	IB2, T4, TP1	150 ...	202 ...	242 ...	5 L	60 L	B	
	<i>Isobutyl formate</i> .....	3	UN2528	III	3	B1, IB3, T2, TP1	150 ...	203 ...	242 ...	60 L	220 L	A	
	<i>Isobutyl isobutyrate</i> .....	6.1	UN2486	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP27	None ...	226 ...	244 ...	Forbidden	Forbidden	D	40
	<i>Isobutyl isocyanate</i> .....												
	<i>Isobutyl methacrylate, stabilized</i> .....	3	UN2283	III	3	B1, IB3, T2, TP1	150 ...	203 ...	242 ...	60 L	220 L	A	
	<i>Isobutyl propionate</i> .....	3	UN2394	III	3	B1, IB3, T2, TP1	150 ...	202 ...	242 ...	60 L	220 L	B	
	<i>Isobutylamine</i> .....	3	UN1214	III	3, 8	IB2, T7, TP1	150 ...	203 ...	243 ...	1 L	5 L	B	40
	<i>Isobutylene see also Petroleum gases, liquefied.</i> .....	2.1	UN1055		2.1	19, T50	306 ...	304 ...	314, 315.	Forbidden	150 kg	E	40

Isobutyraldehyde or isobutyl aldehyde	3 UN2045	II	3	.....	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
Isobutyric acid	3 UN2529	III	3, 8	.....	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
Isobutyronitrile	3 UN2284	II	3, 6.1	.....	IB2, T7, TP2, TP13	150	202	243	1 L	60 L	E	40
Isobutyl chloride	3 UN2395	II	3, 8	.....	IB1, T7, TP2	150	202	243	1 L	5 L	C	40
Isocyanates, flammable, toxic, n.o.s., or isocyanate solutions, flammable, toxic, n.o.s., flash point less than 23 degrees C.	3 UN2478	II	3, 6.1	.....	5, A3, A7, IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	D	40
Isocyanates, toxic, flammable, n.o.s., or isocyanate solutions, toxic, flammable, n.o.s., flash point not less than 23 degrees C, but not more than 61 degrees C and boiling point less than 300 degrees C.	6.1 UN3080	III	3, 6.1	.....	5, A3, A7, IB3, T7, TP1, TP13, TP28	150	203	242	60 L	220 L	A	25, 40, 48
Isocyanates, toxic, n.o.s., or isocyanate solutions, toxic, n.o.s., flash point more than 61 degrees C and boiling point less than 300 degrees C.	6.1 UN2206	II	6.1	.....	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	E	25, 40, 48
Isocyanatobenzotrifluorides	6.1 UN2285	III	6.1	.....	IB3, T7, TP1, TP13, TP28	153	203	241	60 L	220 L	E	25, 40, 48
Isheptenes	3 UN2287	II	3	.....	5, IB2, T7, TP2	153	202	243	5 L	60 L	D	25, 40, 48
Isobutane, see Octanes.	3 UN2288	II	3	.....	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Isocetenes	3 UN1216	II	3	.....	IB2, IP8, T11, TP1	150	202	242	5 L	60 L	E	
Isopentane, see Pentane.												
Isopentanoic acid, see Corrosive liquids, n.o.s.												
Isopentenes	3 UN2371	I	3	.....	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Isophorone diisocyanate	6.1 UN2290	III	6.1	.....	T11, TP2	150	201	243	1 L	30 L	E	
Isophoronediamine	8 UN2289	III	8	.....	IB3, T4, TP2	153	203	241	60 L	220 L	B	40
Isoprene, stabilized	3 UN1218	I	3	.....	IB3, T4, TP1	154	203	241	5 L	60 L	A	
Isopropanol or isopropyl alcohol	3 UN1219	II	3	.....	T11, TP2	150	201	243	1 L	30 L	E	
Isopropenyl acetate	3 UN2403	II	3	.....	IB2, T4, TP1	4b, 150	202	242	5 L	60 L	B	
Isopropenylbenzene	3 UN2303	III	3	.....	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Isopropyl acetate	3 UN1220	II	3	.....	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Isopropyl acid phosphate	8 UN1793	III	8	.....	IB2, T4, TP1	154	213	240	5 L	60 L	B	
Isopropyl alcohol, see Isopropanol.	3 UN2405	III	3	.....	B1, IB3, T2, TP1	150	203	242	25 kg	100 kg	A	
Isopropyl butyrate	3 UN2947	III	3	.....	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Isopropyl chloroacetate	6.1 UN2407	I	6.1, 3, 8	.....	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	B	40
Isopropyl chloroformate												
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	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
+	Isopropyl isocyanate .....	6.1	UN2483	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP36, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	D	40
	<i>Isopropyl mercaptan, see Propanethiols.</i>												
	Isopropyl nitrate .....	3	UN1222	II	3	IB9	150	202	None	5 L	60 L	D	
	<i>Isopropyl phosphoric acid, see Isopropyl acid phosphate.</i>												
	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	2.9 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>	Forbidden											
	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	28, 36
	Isosorbide-5-mononitrate .....	4.1	UN3251	III	4.1	66, 159 IB8	151	223	240	Forbidden	Forbidden	D	12
	<i>Isothiocyanic acid</i> .....	Forbidden											
	<i>Jet fuel, see Fuel aviation, turbine engine.</i>												
	D Jet perforating guns, charged oil well, with detonator.	1.1D	NA0124	II	1.1D	55, 56	None ...	62	None	Forbidden	Forbidden	07	
D 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 Charges, shaped, etc.</i>													
<i>Jet tappers, without detonator, see Charges, shaped, etc.</i>													
<i>Jet thrust igniters, for rocket motors or Jato, see Igniters.</i>													
<i>Jet thrust unit (Jato), see Rocket motors.</i>													
G Kerosene .....	3	UN1223	III	3	144, B1, IB3, T2, TP2	150	203	242	60 L	220 L	A		
Ketones, liquid, n.o.s. ....	3	UN1224	I	3	T11, TP1, TP8, TP27	None ...	201	243	1 L	30 L	E		

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Other		
UN1056	Krypton, compressed	2.2			IB2, T7, TP1, TP8, TP28 B1, IB3, T4, TP1, TP29	150 150 None	202 203 75 kg	242 242 150 kg	5 L 60 L A	B 220 L A
UN1970	Krypton, refrigerated liquid (cryogenic liquid)	2.2			T75, TP5	320	None	None	500 kg	D
UN1616	Lacquer base or lacquer chips, nitrocellulose, dry, see Nitrocellulose, etc. (UN 2557)	6.1			IB8, IP3, T1, TP33	153	213	240	200 kg	A
UN1617	Lacquer base or lacquer chips, plastic, wet with alcohol or solvent, see Nitrocellulose (UN2059, UN2555, UN2556, UN2557) or Paint, etc. (UN1263)	6.1			IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	A
UN1618	Lacquer base or lacquer chips, plastic, wet with alcohol or solvent, see Nitrocellulose (UN2059, UN2555, UN2556, UN2557) or Paint, etc. (UN1263)	6.1			IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	A
UN0129	Lead acetate	Forbidden			111, 117	None	62	None	Forbidden	12
UN2291	Lead azide (dry)	1.1A				None				
UN1620	Lead azide, wetted with not less than 20 percent water or mixture of alcohol and water, by mass.	6.1			138, IB8, IP3, T1, TP33	153	213	240	100 kg	A
UN1872	Lead compounds, soluble, n.o.s.	6.1			IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	A
UN1469	Lead cyanide	5.1			A1, IB8, IP3, T1, TP33	152	213	240	100 kg	A
UN1470	Lead dioxide	5.1			IB8, IP2, IP4, T3, TP33	152	212	242	25 kg	A
UN3408	Lead dross, see Lead sulfate, with more than 3 percent free acid.	5.1			IB6, IP2, T3, TP33	152	212	242	25 kg	A
UN2989	Lead nitrate	4.1			IB2, T4, TP1	152	202	243	1 L	A
UN1470	Lead nitroresorcinate (dry)	Forbidden			IB2, T4, TP1	152	203	242	30 L	A
UN1470	Lead perchlorate, solid	5.1			IB8, IP2, IP4, T3, TP33	151	213	240	50 kg	B
UN3408	Lead perchlorate, solution	5.1			IB8, IP3, T1, TP33	151	213	240	100 kg	B
UN2989	Lead peroxide, see Lead dioxide.	4.1			111, 117	None	62	None	Forbidden	12
UN1970	Lead phosphite, dibasic	Forbidden				None				
UN1970	Lead picrate (dry)	Forbidden				None				
UN1970	Lead styphnate (dry)	Forbidden				None				
UN1794	Lead styphnate, wetted or Lead trinitroresorcinate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass.	1.1A			IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	A
UN1794	Lead sulfate with more than 3 percent free acid.	8								
UN1794	Lead trinitroresorcinate, see Lead styphnate, etc.									

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Life-saving appliances, not self inflating containing dangerous goods as equipment.	9	UN3072		None		None ...	219 ...	None	No limit	No limit	A	
	Life-saving appliances, self inflating ...	9	UN2990		None		None ...	219 ...	None	No limit	No limit	A	
	Lighters containing flammable gas ...	2.1	UN1057		2.1 .....		168	21,308	None	1 kg	15 kg	B	40
	Lighters, new or empty, purged of all residual fuel and vapors.				.....		168						
	Lighters, non-pressurized, containing flammable liquid.	3	NA1057	II	3 .....		168	21 .....	None	Forbidden	Forbidden	B	40
	Lighter refills containing flammable gas not exceeding 4 fluid ounces (7.22 cubic inches) and 65 grams of flammable gas.	2.1	UN1057		2.1 .....		169	306 .....	None	1 kg	15 kg	B	40
	Lighter replacement cartridges containing liquefied petroleum gases see Lighter refills containing flammable gas. Etc.												
	Lighters, fuse .....	1.4S	UN0131	II	1.4S ...		None ...	62 .....	None	25 kg	100 kg	05	
G	Lime, unslaked, see Calcium oxide.	2.1	UN3161		2.1 .....		306 .....	304 ...	314, 315.	Forbidden	150 kg	D	40
G	Liquefied gas, flammable, n.o.s. ....	2.2	UN3163		2.2 .....		T50						
G	Liquefied gas, n.o.s. ....	2.2	UN3163		2.2 .....		T50	306 .....	314, 315.	75 kg	150 kg	A	
G	Liquefied gas, oxidizing, n.o.s. ....	2.2	UN3157		2.2, 5.1, 2.3, 8		A14	306 .....	314, 315.	75 kg	150 kg	D	
G I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A.	2.3	UN3308		2.3, 8		1	None ...	245 ...	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B.	2.3	UN3308		2.3, 8		2, B9, B14	None ...	314, 315.	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C.	2.3	UN3308		2.3, 8		3, B14	None ...	314, 315.	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone D.	2.3	UN3308		2.3, 8		4	None ...	314, 315.	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone A.	2.3	UN3309		2.3, 2.1, 8.		1	None ...	245 ...	Forbidden	Forbidden	D	17, 40

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G I	Liquefied gas toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i>	2.3	UN3309	2.3, 2.1, 8.	2, B9, B14	None ...	304 ...	314, 315.	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C.</i>	2.3	UN3309	2.3, 2.1, 8.	3, B14	None ...	304 ...	314, 315.	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN3309	2.3, 2.1, 8.	4	None ...	304 ...	314, 315.	Forbidden	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	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	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	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	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	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	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	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	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	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B.</i>	2.3	UN3310	2.3, 5.1, 8.	2, B9, B14	None ...	304 ...	314, 315.	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone C.</i>	2.3	UN3310	2.3, 5.1, 8.	3, B14	None ...	304 ...	314, 315.	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN3310	2.3, 5.1, 8.	4	None ...	304 ...	314, 315.	Forbidden	D	40, 89, 90
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone A.</i>	2.3	UN3307	2.3, 5.1.	1	None ...	192 ...	245 ...	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone B.</i>	2.3	UN3307	2.3, 5.1.	2, B9, B14	None ...	304 ...	314, 315.	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone C.</i>	2.3	UN3307	2.3, 5.1.	3, B14	None ...	304 ...	314, 315.	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D.</i>	2.3	UN3307	2.3, 5.1.	4	None ...	304 ...	314, 315.	Forbidden	D	40
	Liquefied gases, non-flammable charged with nitrogen, carbon dioxide or air.	2.2	UN1058	2.2 .....	306 .....	304 ...	304 ...	None	75 kg	A	150 kg

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identifi-cation Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s.</i>												
	<i>Liquefied natural gas, see Methane, etc. (UN 1972).</i>												
	<i>Liquefied petroleum gas see Petroleum gases, liquefied.</i>												
	Lithium .....	4.3	UN1415	I	4.3 .....	A7, A19, IB4, IP1, N45	None ...	211 ...	244 ...	Forbidden	15 kg	E	52
	<i>Lithium acetylide ethylenediamine complex, see Water reactive solid etc.</i>												
	Lithium aluminum hydride .....	4.3	UN1410	I	4.3 .....	A19	None ...	211 ...	242 ...	Forbidden	15 kg	E	52
	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 equip-ment.	9	UN3091	II	9 .....	29, 188, 189, 190, A54, A55, A101, A104	185 .....	185 ...	None	See A101, A104.	35 kg	A	
	Lithium batteries packed with equip-ment.	9	UN3091	II	9 .....	29, 188, 189, 190, A54, A55, A101, A103	185 .....	185 ...	None	See A101, A103.	35 kg gross	A	
	Lithium battery .....	9	UN3090	II	9 .....	29, 188, 189, 190, A54, A55, A100.	185 .....	185 ...	None	See A100	35 kg gross	A	
	Lithium borohydride .....	4.3	UN1413	I	4.3 .....	A19, N40	None ...	211 ...	242 ...	Forbidden	15 kg	E	52
	Lithium ferrosilicon .....	4.3	UN2830	II	4.3 .....	A19, IB7, IP2, T3, TP33	151 .....	212 ...	241 ...	15 kg	50 kg	E	40, 85, 103
	Lithium hydride .....	4.3	UN1414	I	4.3 .....	A19, N40	None ...	211 ...	242 ...	Forbidden	15 kg	E	52
	Lithium hydride, fused solid .....	4.3	UN2805	II	4.3 .....	A8, A19, A20, IB4, T3, TP33	151 .....	212 ...	241 ...	15 kg	50 kg	E	52
	Lithium hydroxide .....	8	UN2680	II	8 .....	IB8, IP2, IP4, T3, TP33	154 .....	212 ...	240 ...	15 kg	50 kg	A	52.
	Lithium hydroxide, solution .....	8	UN2679	III	8 .....	B2, IB2, T7, TP2	154 .....	202 ...	242 ...	1 L	30 L	A	29, 52.
					III 8 .....	IB3, T4, TP2	154 .....	203 ...	241 ...	5 L	60 L	A	29, 52, 96.
	Lithium hypochlorite, dry or Lithium hypochlorite mixture.	5.1	UN1471	II	5.1 .....	A9, IB8, IP2, IP4, N34, T3, TP33	152 .....	212 ...	240 ...	5 kg	25 kg	A	4, 48, 52, 56, 58, 69, 106, 116

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	Lithium in cartridges, see Lithium.														4, 48, 52, 56, 58, 68, 106, 116	
	Lithium nitrate															
	Lithium nitride															
	Lithium peroxide															13, 52, 66, 75
	Lithium silicon															85, 103
	LNG, see Methane etc. (UN 1972).															
	London purple															
	LPG, see Petroleum gases, liquefied.															
	Lye, see Sodium hydroxide, solutions.															
	Magnesium aluminum phosphide															
	Magnesium arsenate															
	Magnesium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.															
	Magnesium bromate															
	Magnesium chlorate															40, 52, 85
	Magnesium diamide															
	Magnesium dross, wet or hot															
	Magnesium fluorosilicate															
	Magnesium granules, coated, particle size not less than 149 microns.															
	Magnesium hydride															
	Magnesium or Magnesium alloys with more than 50 percent magnesium in pellets, turnings or ribbons.															
	Magnesium nitrate															
	Magnesium perchlorate															
	Magnesium peroxide															
	Magnesium phosphide															
	Magnesium, powder or Magnesium alloys, powder.															
	Magnesium scrap, see Magnesium, etc. (UN 1869).															

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Magnesium silicide .....	4.3	UN2624	II	4.3 .....	A19, A20, IB7, IP2, T3, TP33	151 .....	212 .....	241 .....	15 kg	50 kg	B	85, 103
	<i>Magnetized material, see § 173.21.</i>												
	Maleic anhydride .....	8	UN2215	III	8 .....	IB8, IP3, T1, TP33	154 .....	213 .....	240 .....	25 kg	100 kg	A	
	Maleic anhydride, molten .....	8	UN2215	III	8 .....	T4, TP3	None .....	213 .....	240 .....	Forbidden	Forbidden	A	
	Malononitrile .....	6.1	UN2647	II	6.1 .....	IB8, IP2, IP4, T3, TP33	153 .....	212 .....	242 .....	25 kg	100 kg	A	12
	<i>Mancozeb (manganese ethylenebisdithiocarbamate complex with zinc) see Maneb.</i>												
	Maneb or Maneb preparations with not less than 60 percent maneb, Maneb stabilized or Maneb preparations, stabilized against self-heating.	4.2	UN2210	III	4.2, 4.3 .....	57, A1, A19, IB6, T1, TP33	None .....	213 .....	242 .....	25 kg	100 kg	A	34
	Manganese nitrate .....	5.1	UN2724	III	5.1 .....	A1, IB8, IP3, T1, TP33	152 .....	213 .....	240 .....	25 kg	100 kg	A	
	Manganese resinates .....	4.1	UN1330	III	4.1 .....	A1, IB6, T1, TP33	151 .....	213 .....	240 .....	25 kg	100 kg	A	34, 52
	Mannitol hexanitrate .....	Forbidden											
	Mannitol hexanitrate (dry) .....	Forbidden											
	Nitromannite, wetted with not less than 40 percent water, or mixture of alcohol and water, by mass.	1.1D	UN0133	II	1.1D ..	121	None ..	62 .....	None	Forbidden	Forbidden	10	
	<i>Marine pollutants, liquid or solid, n.o.s., see Environmentally hazardous substances, liquid or solid, n.o.s.</i>												
	Matches, block, see Matches, strike anywhere.												
	Matches, fusee .....	4.1	UN2254	III	4.1 .....		186 .....	186 .....	None	Forbidden	Forbidden	A	
	Matches, safety (book, card or strike or box) .....	4.1	UN1944	III	4.1 .....		186 .....	186 .....	None	25 kg	100 kg	A	
	Matches, strike anywhere .....	4.1	UN1331	III	4.1 .....		186 .....	186 .....	None	Forbidden	Forbidden	B	
	Matches, wax, Vesta .....	4.1	UN1945	III	4.1 .....		186 .....	186 .....	None	25 kg	100 kg	B	
	Matting acid, see Sulfuric acid.												
	Medicine, liquid, flammable, toxic, n.o.s.	3	UN3248	II	3, 6.1	IB2	150 .....	202 .....	243 .....	1 L	60 L	B	40
	Medicine, liquid, toxic, n.o.s. ....	6.1	UN1851	III	3, 6.1	IB3	150 .....	203 .....	242 .....	60 L	220 L	A	40
				II	6.1 .....		153 .....	202 .....	243 .....	5 L	60 L	C	

Medicine, solid, toxic, n.o.s.	6.1	UN3249	III	6.1	T3, TP33	153	203	241	60 L	220 L	C	40
<i>Mermetrihydrophthalic arhydride, see Corrosive liquids, n.o.s.</i>			III	6.1	T3, TP33	153	212	242	25 kg	100 kg	C	40
Mercaptans, liquid, flammable, n.o.s. or Mercaptan mixture, liquid, flammable, n.o.s.	3	UN3336	I	3	T11, TP2	150	201	243	1 L	30 L	E	95
Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mixtures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3	IB2, T7, TP1, TP8, TP28 B1, B52, IB3, T4, TP1, TP29	150	202	242	5 L	60 L	B	95
Mercaptans, liquid, toxic, flammable, n.o.s. or Mercaptan mixtures, liquid, flammable, toxic, n.o.s.	3	UN1228	III	3	IB2, T11, TP2, TP27	None	202	243	Forbidden	60 L	B	40, 95
Mercaptans, liquid, toxic, flammable, n.o.s. or Mercaptan mixtures, liquid, toxic, flammable, n.o.s., flash point not less than 23 degrees C.	6.1	UN3071	III	3, 6.1	A6, B1, IB3, T7, TP1, TP28	150	203	242	5 L	220 L	A	40, 95
5-Mercaptoisotrazol-1-acetic acid	1.4C	UN0448	II	1.4C	A6, IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	C	40, 121
Mercuric arsenate	6.1	UN1623	II	6.1	IB8, IP2, IP4, T3, TP33	None	62	None	Forbidden	75 kg	09	
Mercuric chloride	6.1	UN1624	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercuric compounds, see Mercury compounds, etc.			II	6.1	IB8, IP2, IP4, N73, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercuric nitrate	6.1	UN1625	I	6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	52
Mercuric potassium cyanide	6.1	UN1626	I	6.1								
Mercuric sulfocyanate, see Mercury thiocyanate.												
Mercuroyl, see Mercury nucleate.												
Mercurous azide	Forbidden											
Mercurous compounds, see Mercury compounds, etc.												
Mercurous nitrate	6.1	UN1627	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercury	8	UN2809	III	8	IB8, IP2, IP4, T3, TP33	164	164	240	35 kg	35 kg	B	40, 97
Mercury acetate	6.1	UN1629	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercury acetylde	Forbidden											
Mercury ammonium chloride	6.1	UN1630	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2778	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Mercury based pesticides, liquid, toxic.	6.1	UN3012	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
			I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
			II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
			III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Mercury based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3011	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1, 3	IB3, T7, TP2, TP28	153	203	242	None	60 L	A	40
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
	Mercury based pesticides, solid, toxic	6.1	UN2777	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
				III	6.1	IB8, IP3, T1, TP33	153	212	240	100 kg	200 kg	A	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
G	Mercury bromides	6.1	UN1631	II	6.1	IB2, T11, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				I	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	B	40
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
G	Mercury compound, liquid, n.o.s.	6.1	UN1634	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	240	100 kg	200 kg	A	40
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	No limit	No limit	B	40, 97
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52
A	Mercury compound, solid, n.o.s.	6.1	UN2025	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 97
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	240	100 kg	200 kg	A	40, 97
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	No limit	No limit	B	40, 97
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52
	Mercury cyanide	6.1	UN1636	II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52
				III	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52
				I	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52
				III	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52
	Mercury fulminate, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass.	1.1A	UN0135	II	1.1A	T3, TP33	None	62	None	Forbidden	Forbidden	12	
				III	1.1A	T3, TP33	None	62	None	Forbidden	Forbidden	12	
				I	1.1A	T3, TP33	None	62	None	Forbidden	Forbidden	12	
				III	1.1A	T3, TP33	None	62	None	Forbidden	Forbidden	12	
	Mercury gluconate	6.1	UN1637	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury iodide	6.1	UN1638	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury iodide aquabasic ammonobasic (iodide of Million's base)	Forbidden	UN1638	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury nitride	Forbidden	UN1639	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury nucleate	6.1	UN1640	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury oleate	6.1	UN1641	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury cyanide	Forbidden	UN1642	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
+	Mercury potassium iodide	6.1	UN1643	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury salicylate	6.1	UN1644	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury sulfates	6.1	UN1645	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	

G	6.1 3 6.1	UN1646 UN1229 UN3281	Mercury thiocyanate Mesityl oxide Metal carbonyls, liquid, n.o.s.	II III I	6.1 3 6.1	IB8, IP2, IP4, T3, TP33 B1, IB3, T2, TP1 5, T14, TP2, TP13, TP27	153 150 None	212 203 201	242 242 243	25 kg 60 L 1 L	100 kg 220 L 30 L	A A B	40
G	6.1	UN3466	Metal carbonyls, solid, n.o.s.	I	6.1	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	153 153 None 153 153	202 203 211 212 213	243 241 242 240 240	5 L 60 L 5 kg 25 kg 100 kg 200 kg	60 L 220 L 50 kg 100 kg 200 kg	B D A D B	40 40 40 40 40
G	4.2	UN2881	Metal catalyst, dry	I	4.2	N34, T21, TP7, TP33 IB6, IP2, N34, T3, TP33 IB8, IP3, N34, T1, TP33 A2, A8, IB1, N34, T3, TP33	None None None None	187 187 187 212	None 242 241 None	Forbidden Forbidden 25 kg Forbidden	Forbidden 50 kg 100 kg 50 kg	C C C C	
G	4.2 4.1 4.3 4.3	UN1378 UN3182 UN1409	Metal catalyst, wetted with a visible excess of liquid. Metal hydrides, flammable, n.o.s. Metal hydrides, water reactive, n.o.s.	III III I II	4.2 4.1 4.3 4.3	A1, IB4, T3, TP33 A1, IB4, T1, TP33 A19, N34, N40 A19, IB4, N34, N40, T3, TP33	151 151 None 151	212 213 211 212	240 240 242 242	15 kg 25 kg Forbidden 15 kg	50 kg 100 kg 15 kg 50 kg	E E D D	52 52
G	4.2 4.1 Forbidden	UN3189 UN3089	Metal powder, self-heating, n.o.s. Metal powders, flammable, n.o.s.	III II	4.2 4.1	IB6, IP2, T3, TP33 IB8, IP3, T1, TP33 IB8, IP2, IP4, T3, TP33 IB6, T1, TP33	None None 151 151	212 213 212 213	241 241 240 240	15 kg 25 kg 15 kg 25 kg	50 kg 100 kg 50 kg 100 kg	C C B B	40
G	4.1 4.3	UN3181 UN1332 UN3208	Metal salts of methyl nitramine (dry) Metal salts of organic compounds, flammable, n.o.s. Metaldehyde Metallic substance, water-reactive, n.o.s.	II III I	4.1 4.1 4.3	A1, IB8, IP2, IP4, T3, TP33 A1, IB8, IP3, T1, TP33 A1, IB8, IP3, T1, TP33 A7, IB4	151 151 151 None	212 213 213 211	240 240 240 242	15 kg 25 kg 25 kg Forbidden	50 kg 100 kg 100 kg 15 kg	B B A E	40 40 40
G	4.3	UN3209	Metallic substance, water-reactive, self-heating, n.o.s.	II	4.3	A7, IB7, IP2, T3, TP33 A7, IB8, IP4, T1, TP33 A7	151 151 None	212 213 211	242 241 242	15 kg 25 kg Forbidden	50 kg 100 kg 15 kg	E E E	40 40 40
G	3 8	UN2396 UN2531	Methacryaldehyde, stabilized Methacrylic acid, stabilized	III II	3 6.1 8	A7, IB5, IP2, T3, TP33 A7, IB8, IP4, T1, TP33 45, IB2, T7, TP1, TP13 41, IB2, T7, TP1, TP18, TP30	None None 150 154	212 213 202 202	242 242 243 242	15 kg 25 kg 1 L 1 L	50 kg 100 kg 60 L 30 L	E E E C	40 40
+	6.1 3	UN3079 UN2614	Methacrylonitrile, stabilized Methallyl alcohol Methane and hydrogen mixtures, see Hydrogen and methane, mixtures, etc.	I III	6.1, 3 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45 B1, IB3, T2, TP1	None 150	227 203	244 242	Forbidden 60 L	Forbidden 220 L	D A	12, 40, 48
	2.1	UN1971	Methane, compressed or Natural gas, compressed (with high methane content).	III	2.1		306	302	302	Forbidden	150 kg	E	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Methane, refrigerated liquid ( <i>cryogenic liquid</i> ) or Natural gas, refrigerated liquid ( <i>cryogenic liquid</i> ), with high methane content.	2.1	UN1972		2.1	T75, TP5	None	None	318	Forbidden	Forbidden	D	40
	Methanesulfonyl chloride	6.1	UN3246	I	6.1, 8	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
+I	Methanol	3	UN1230	II	3, 6.1	IB2, T7, TP2	150	202	242	1 L	60 L	B	40
D	Methanol	Forbidden	UN1230	II	3	IB2, T7, TP2	150	202	242	1 L	60 L	B	40
	Methanoic acid	3	UN2293	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	4-Methoxy-4-methylpentan-2-one	3	UN3092	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	1-Methoxy-2-propanol	3	UN3092	III	3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
+	Methoxymethyl isocyanate	6.1	UN2605	I	6.1, 3		None	226	244	Forbidden	Forbidden	D	40
	Methyl acetate	3	UN1231	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Methyl acetylene and propadiene mixtures, stabilized.	2.1	UN1060		2.1	N88, T50	306	304	314, 315	Forbidden	150 kg	B	40
	Methyl acrylate, stabilized	3	UN1919	II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	B	40
	Methyl alcohol, see Methanol.												
	Methyl allyl chloride	3	UN2554	II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E	40
	Methyl amyl ketone, see Amyl methyl ketone.												
	Methyl bromide	2.3	UN1062		2.3	3, B14, N86, T50	None	193	314, 315	Forbidden	Forbidden	D	40
	Methyl bromide and chloropicrin mixtures with more than 2 percent chloropicrin, see Chloropicrin and methyl bromide mixtures.												
	Methyl bromide and chloropicrin mixtures with not more than 2 percent chloropicrin, see Methyl bromide, chloropicrin, and ethylene dibromide mixtures, liquid.												
	Methyl bromide and ethylene dibromide mixtures, liquid.	6.1	UN1647	I	6.1	2, B9, B14, B32, N65, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	D	40
	Methyl bromoacetate	6.1	UN2643	II	6.1	IB2, T7, TP2	150	202	243	5 L	60 L	D	40
	2-Methylbutanal	3	UN3371	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	2-Methyl-1-butene	3	UN2459	I	3	T11, TP2	None	201	243	1 L	30 L	E	40
	2-Methyl-2-butene	3	UN2460	II	3	IB2, IP8, T7, TP1	None	202	242	5 L	60 L	E	40
	3-Methyl-1-butene	3	UN2561	I	3	T11, TP2	None	201	243	1 L	30 L	E	40

Methyl tert-butyl ether	3 UN2398	II 3	IB2, T7, TP1	150	202	242	5 L	E	40
Methyl butyrate	3 UN1237	II 3	IB2, T4, TP1	150	202	242	5 L	B	
Methyl chloride or Refrigerant gas R 40.	2.1 UN1063	2.1	N86, T50	306	304	314, 315	5 kg	D	
<i>Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures.</i>									
Methyl chloride and methylene chloride mixtures.	2.1 UN1912	2.1	N86, T50	306	304	314, 315	Forbidden	D	40
Methyl chloroacetate	6.1 UN2295	I 6.1, 3	T14, TP2, TP13	None	201	243	1 L	D	
<i>Methyl chloroacetate, see Methyl chloroformate.</i>									
<i>Methyl chloroform, see 1,1,1-Trichloroethane.</i>									
Methyl chloroformate	6.1 UN1238	I 6.1, 3, 8	1, B9, B14, B30, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	D	21, 40, 100
Methyl chloromethyl ether	6.1 UN1239	I 6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	D	40
Methyl 2-chloropropionate	3 UN2933	III 3	B1, IB3, T2, TP1	150	203	242	60 L	A	
Methyl dichloroacetate	6.1 UN2299	III 6.1	IB3, T4, TP1	153	203	241	60 L	A	
<i>Methyl ethyl ether, see Ethyl methyl ether.</i>									
Methyl ethyl ketone, <i>see</i> Ethyl methyl ketone.									
<i>Methyl ethyl ketone peroxide, in solution with more than 9 percent by mass active oxygen.</i>	Forbidden								
2-Methyl-5-ethylpyridine	6.1 UN2300	III 6.1	IB3, T4, TP1	153	203	241	60 L	A	40
Methyl fluoride, or Refrigerant gas R 41.	2.1 UN2454	2.1		306	304	314, 315	Forbidden	E	
Methyl formate	3 UN1243	I 3	T11, TP2	150	201	243	1 L	E	
2-Methyl-2-heptanethiol	6.1 UN3023	I 6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40, 102
Methyl iodide	6.1 UN2644	I 6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	12, 40
Methyl isobutyl carbinol	3 UN2053	III 3	B1, IB3, T2, TP1	150	203	242	60 L	A	
Methyl isobutyl ketone	3 UN1245	II 3	IB2, T4, TP1	150	202	242	5 L	B	
<i>Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxygen.</i>	Forbidden								
Methyl isocyanate	6.1 UN2480	I 6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	D	40, 52
Methyl isopropenyl ketone, stabilized	3 UN1246	II 3	IB2, T4, TP1	150	202	242	5 L	B	
Methyl isothiocyanate	6.1 UN2477	I 6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40
Methyl isovalerate	3 UN2400	II 3	IB2, T4, TP1	150	202	242	5 L	B	
Methyl magnesium bromide, in ethyl ether.	4.3 UN1928	I 4.3, 3		None	201	243	Forbidden	D	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Methyl mercaptan .....	2.3	UN1064		2.3, 2.1	3, B7, B9, B14, N89, T50	None ...	304 ...	314, 315	Forbidden	Forbidden	D	40
	<i>Methyl mercaptopropionaldehyde, see 4-Thiapentanal.</i>												
	Methyl methacrylate monomer, stabilized.	3	UN1247	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	<i>Methyl nitramine (dry)</i> .....	Forbidden											
	<i>Methyl nitrate</i> .....	Forbidden											
	<i>Methyl nitrite</i> .....	Forbidden											
	<i>Methyl norbornene dicarboxylic anhydride, see Corrosive liquids, n.o.s.</i>	6.1	UN2606	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None ...	227	244	Forbidden	Forbidden	D	40
D	Methyl orthosilicate .....	6.1	NA9206	I	6.1, 8	2, B9, B14, B32, N34, N43, T20, TP4, TP13, TP38, TP45	None ...	227	244	Forbidden	Forbidden	C	
	Methyl phosphonic dichloride .....												
D	<i>Methyl phosphonic dichloride, anhydrous, see Corrosive liquid, n.o.s.</i>	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B16, B32, B74, T20, TP4, TP13, TP38, TP45	None ...	227	244	Forbidden	Forbidden	D	18
	<i>Methyl picric acid (heavy metal salts of).</i>	Forbidden											
	Methyl propionate .....	3	UN1248	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Methyl propyl ether .....	3	UN2612	II	3	IB2, PB, T7, TP2	150	202	242	5 L	60 L	E	
	Methyl propyl ketone .....	3	UN1249	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Methyl sulfate, see Dimethyl sulfate.</i>												
	Methyl trichloroacetate .....	6.1	UN2533	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	<i>Methyl sulfide, see Dimethyl sulfide.</i>												
	Methyl trimethylol methane trinitrate	6.1	UN1251	I	6.1, 3, 8	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None ...	226	244	Forbidden	Forbidden	B	40
	Methyl vinyl ketone, stabilized .....												
	Methylal .....	3	UN1234	II	3	IB2, PB, T7, TP2	None	202	242	5 L	60 L	E	40
	Methylamine, anhydrous .....	2.1	UN1061		2.1	N87, T50	306	304	314, 315	Forbidden	150 kg	B	40
	Methylamine, aqueous solution .....	3	UN1235	II	3, 8	B1, IB2, T7, TP1	150	202	243	1 L	5 L	E	52, 135

Material Name	UN Number	Label	Class	Subclass	Provisions	Special Provisions	Quantity	Form	Remarks
Methylamine dinitramine and dry salts thereof									
Methylamine nitroform									
Methylamine perchlorate (dry)									
Methylamyl acetate	3	UN1233	ForbIDDEN						
N-Methylaniline	6.1	UN2294	ForbIDDEN						
alpha-Methylbenzyl alcohol, liquid	6.1	UN2937	III	3					
alpha-Methylbenzyl alcohol, solid	6.1	UN3438	III	3					
3-Methylbutan-2-one	3	UN2397	III	3					
N-Methylbutylamine	3	UN2945	III	3, 8					
Methylchlorosilane	2.3	UN2534	III	2, 3, 2.1, 8.					
Methylcyclohexane	3	UN2296	III	3					
Methylcyclohexanols, flammable	3	UN2617	III	3					
Methylcyclohexanone	3	UN2297	III	3					
Methylcyclopentane	3	UN2298	III	3					
Methylchloroarsine	6.1	NA1556	I	6.1					
Methylchlorosilane	4.3	UN1242	I	4.3, 8, 3.					
Methylene chloride, see Dichloromethane.									
Methylene glycol dinitrate									
2-Methylfuran	3	UN2301	ForbIDDEN						
a-Methylglucoside tetranitrate									
a-Methylglycerol trinitrate									
5-Methylhexan-2-one	3	UN2302	III	3					
Methylhydrazine	6.1	UN1244	I	6.1, 3, 8.					
4-Methylmorpholine or n-methylmorpholine.	3	UN2535	III	3, 8					
Methylpentadienes	3	UN2461	III	3					
2-Methylpentan-2-ol	3	UN2560	III	3					
Methylpentanes, see Hexanes.									
Methylphenylchlorosilane	8	UN2437	III	8					
1-Methylpiperidine	3	UN2399	III	3, 8					
Methyltetrahydrofuran	3	UN2536	III	3					
Methyltrichlorosilane	3	UN1250	III	3, 8					
alpha-Methylvaleraldehyde	3	UN2367	III	3					
Mine rescue equipment containing carbon dioxide, see Carbon dioxide.									
Mines with bursting charge	1.1F	UN0136	II	1.1F					
Mines with bursting charge	1.1D	UN0137	II	1.1D					
Mines with bursting charge	1.2D	UN0138	II	1.2D					



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Mines with bursting charge .....	1.2F	UN0294	II	1.2F ...		.....	62	None	Forbidden	Forbidden	08	
	Mixed acid, see Nitrating acid, mix-tures etc. Mobility aids, see Battery powered equipment or Battery powered ve-hicle. Model rocket motor .....	1.4C	NA0276	II	1.4C ...	51	None	62	None	Forbidden	75 kg	06	
D	Model rocket motor .....	1.4S	NA0323	II	1.4S ...	51	None	62	None	25 kg	100 kg	05	
D	Molybdenum pentachloride .....	8	UN2508	III	8 .....	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	C	40
	Monochloroacetone (unstabilized) .... Monochloroethylene, see Vinyl chlo-ride, stabilized. Monoethanolamine, see Ethanol-amine, solutions. Monocetylamine, see Ethylamine. Morpholine .....	8	UN2054	I	8, 3 ...	A6, T10, TP2	None	201	243	0.5 L	2.5 L	A	
	Morpholine, aqueous, mixture, see Corrosive liquids, n.o.s. Motor fuel anti-knock compounds see Motor fuel anti-knock mixtures. Motor fuel anti-knock mixtures, flam-mable. Motor fuel anti-knock mixtures .....	6.1	UN3483	I	6.1, 3	14, T14, TP2, TP13	None	201	244	Forbidden	Forbidden	D	25, 40
+	Motor fuel anti-knock mixtures .....	6.1	UN1649	I	6.1 .....	14, B9, B90, T14, TP2, TP13	None	201	244	Forbidden	30 L	D	25, 40
	Motor spirit, see Gasoline. Muritic acid, see Hydrochloric acid. Musk xylene, see 5-tert-Butyl-2,4,6-trinitro-m-xylene. Naphtha see Petroleum distillates n.o.s. Naphthalene, crude or Naphthalene, refined. Naphthalene diazonide .....	4.1	UN1334	III	4.1 .....	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
	beta-Naphthylamine .....	Forbidden											
	beta-Naphthylamine, solid .....	6.1	UN1650	II	6.1 ...	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	beta-Naphthylamine solution .....	6.1	UN3411	III	6.1 ...	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	alpha-Naphthylamine .....	6.1	UN2077	III	6.1 ...	IB8, IP3, T1, TP33	153	203	241	60 L	220 L	A	
	Naphthalene, molten .....	4.1	UN2304	III	4.1 .....	IB1, T1, TP3	151	213	240	100 kg	Forbidden	C	



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Nitrating acid mixtures, spent with more than 50 percent nitric acid.	8	UN1826	I	8, 5.1	A7, T10, TP2, TP13	None ...	158 ...	243 ...	Forbidden	2.5 L	D	40, 66
	Nitrating acid mixtures spent with not more than 50 percent nitric acid.	8	UN1826	II	8	A7, B2, IB2, T8, TP2	None ...	158 ...	242 ...	Forbidden	30 L	D	40
	Nitrating acid mixtures with more than 50 percent nitric acid.	8	UN1796	I	8, 5.1	A7, T10, TP2, TP13	None ...	158 ...	243 ...	Forbidden	2.5 L	D	40, 66
	Nitrating acid mixtures with not more than 50 percent nitric acid.	8	UN1796	II	8	A7, B2, IB2, T8, TP2, TP13	None ...	158 ...	242 ...	Forbidden	30 L	D	40
	Nitric acid other than red fuming, with at least 65 percent, but not more than 70 percent nitric acid.	8	UN2031	II	8, 5.1	A6, B2, B47, B53, IB2, IP15, T8, TP2	None ...	158 ...	242 ...	Forbidden	30 L	D	66, 74, 89, 90
	Nitric acid other than red fuming, with more than 20 percent and less than 65 percent nitric acid.	8	UN2031	II	8	A6, B2, B47, B53, IB2, IP15, T8, TP2	None ...	158 ...	242 ...	Forbidden	30 L	D	44, 66, 74, 89, 90
	Nitric acid, red fuming	8	UN2032	I	8, 5.1, 6.1	2, B9, B32, T20, TP2, TP13, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40, 66, 74, 89, 90
	Nitric acid other than red fuming, with more than 70 percent nitric acid.	8	UN2031	I	8, 5.1	A3, B47, B53, T10, TP2, TP12, TP13	None ...	158 ...	243 ...	Forbidden	2.5 L	D	44, 66, 88, 90, 110, 111
	Nitric oxide, compressed	2.3	UN1660	2.3, 5.1, 8	2.3, 5.1, 8	1, B77	None ...	337 ...	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	2.3, 5.1, 8	1, B77	None ...	337 ...	None	Forbidden	Forbidden	D	40, 89, 90
G	Nitrides, flammable, toxic, n.o.s.	3	UN3273	I 3, 6.1 II 3, 6.1	3, 6.1	T14, TP2, TP13, TP27 IB2, T11, TP2, TP13, TP27	None ... 150	201 ... 202	243 ... 243	Forbidden 1 L	30 L 60 L	E B	40, 52 40, 52
G	Nitrides, toxic, flammable, n.o.s.	6.1	UN3275	I 6.1, 3 II 6.1, 3	6.1, 3	5, T14, TP2, TP13, TP27 IB2, T11, TP2, TP13, TP27	None ... 153	201 ... 202	243 ... 243	1 L 5 L	30 L 60 L	B B	40, 52 40, 52

	UN3276	UN3439	UN3219	UN2627	UN2307	UN0147	UN1661	UN2730	UN3458	UN1662	UN2305	UN0385	UN2306	UN3431	UN2782	UN3459	UN0340	UN2557	UN3270	UN0343	
G	6.1	6.1	5.1	5.1	6.1	1.1D	6.1	6.1	6.1	6.1	8	1.1D	6.1	6.1	6.1	6.1	1.1D	4.1	4.1	1.3C	
	Nitriles, toxic, liquid, n.o.s.	Nitriles, toxic, solid, n.o.s.	Nitrites, inorganic, aqueous solution, n.o.s.	Nitrites, inorganic, n.o.s.	3-Nitro-4-chlorobenzotrifluoride	6-Nitro-4-diazotoluene-3-sulfonic acid (dry)	Nitro isobutane triol trinitrate	N-Nitro-N-methylglycolamide nitrate	2-Nitro-2-methylpropanol nitrate	Nitro urea	N-Nitroamine	Nitroanilines (o-, m-, p-)	Nitroanisole, liquid	Nitroanisoles, solid	Nitrobenzene	m-Nitrobenzene diazonium perchlorate	Nitrobenzenesulfonic acid	Nitrobenzol, see Nitrobenzene.	5-Nitrobenzotriazol	Nitrobenzotrifluorides, liquid	Nitrobenzotrifluorides, solid
	5, T14, TP2, TP13, TP27	IB2, T11, TP2, TP27	IB3, T7, TP1, TP28	IB7, IP1, T6, TP33	IB8, IP2, IP4, T3, TP33	IB8, IP3, T1, TP33	IB8, IP2, IP4, T3, TP33	IB3, T4, TP1	IB8, IP3, T1, TP33	IB2, T7, TP2	B2, B4, IB8, IP2, IP4, T3, TP33	IB8, IP2, IP4, T3, TP33	IB2, T7, TP2	IB8, IP2, IP4, T3, TP33	IB3, T4, TP1	IB8, IP3, T1, TP33	44	43, A1			
	201	202	203	211	212	202	212	203	213	202	202	62	202	212	203	213	62	212	212	62	
	None	153	None	153	153	None	153	153	153	153	154	None	153	153	153	None	151	151	151	None	
	243	243	242	242	242	243	242	241	240	243	242	None	243	242	241	240	None	None	240	None	
	1 L	5 L	5 kg	25 kg	100 kg	5 L	25 kg	60 L	100 kg	5 L	1 L	Forbidden	5 L	25 kg	60 L	100 kg	1 kg	1 kg	1 kg	Forbidden	
	30 L	60 L	220 L	50 kg	100 kg	30 L	100 kg	220 L	200 kg	60 L	30 L	Forbidden	60 L	100 kg	220 L	200 kg	15 kg	15 kg	15 kg	Forbidden	
	B	B	D	B	A	A	A	A	A	A	A	10	A	A	A	A	D	D	D	10	
	52	52	52	52	52	46, 56, 58, 133	52	40	40	40	27E	40	40	40	40	27E	27E	28, 36	28, 36	28, 36	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
	Nitrocellulose, solution, flammable with not more than 12.6 percent nitrogen, by mass, and not more than 55 percent nitrocellulose.	3	UN2059	I	3	198, T11, TP1, TP8, TP27	None	201	243	1 L	30 L	E		
	Nitrocellulose, unmodified or plasticized with less than 18 percent plasticizing substance, by mass.	1.1D	UN0341	II	3	198, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B		
	Nitrocellulose, wetted with not less than 25 percent alcohol, by mass.	1.3C	UN0342	III	3	198, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	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	1.1D		None	62	None	Forbidden	Forbidden	13	27E	
	Nitrocellulose with water with not less than 25 percent water by mass.	4.1	UN2555	II	1.3C		None	62	None	Forbidden	Forbidden	10		
	Nitrochlorobenzene, see Chloronitrobenzenes etc.						212	None	1 kg	15 kg	D	28, 36		
	Nitrocresols, liquid	6.1	UN3434	III	4.1	151	212	None	15 kg	50 kg	E	28, 36		
	Nitrocresols, solid	6.1	UN2446	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Nitroethane	3	UN2842	III	6.1	IB8, JP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	Nitroethyl nitrate	Forbidden			3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Nitroethylene polymer	Forbidden												
	Nitrogen, compressed	2.2	UN1066		2.2		306, 307	302	314, 315	75 kg	150 kg	A		
	Nitrogen dioxide, see Dinitrogen tetroxide.													
	Nitrogen fertilizer solution, see Fertilizer ammoniating solution etc.													
	Nitrogen peroxide, see Dinitrogen tetroxide.													
	Nitrogen, refrigerated liquid cryogenic liquid.	2.2	UN1977		2.2	345, 346, T75, TP5	320	316	318	50 kg	500 kg	D		
	Nitrogen tetroxide and nitric oxide mixtures, see Nitric oxide and nitrogen tetroxide mixtures.													

Nitrogen tetroxide, see Dinitrogen tetroxide																										40	
Nitrogen trichloride	Forbiddn 2.2	UN2451			2.2, 5.1.			None ...	302 ...	None	75 kg	150 kg	D														
Nitrogen trifluoride	Forbiddn 2.3	UN2421			2.3, 5.1, 6.1.		1	None ...	336 ...	245 ...	Forbiddn	Forbiddn	D													40, 89, 90	
Nitrogen trioxide	Forbiddn 1.1D	UN0143		II	1.1D, 6.1.	125		None ...	62 ...	None	Forbiddn	Forbiddn	13													21E	
Nitroglycerin, desensitized with not less than 40 percent non-volatile water insoluble phlegmatizer, by mass.	Forbiddn 3	UN3343		III	3	129		None ...	214 ...	None	Forbiddn	Forbiddn	D														
Nitroglycerin mixture, desensitized, liquid, inflammable, n.o.s. with not more than 30 percent nitroglycerin, by mass.	3	UN3357		II	3	142		None ...	202 ...	243 ...	5 L	60 L	E														
Nitroglycerin mixture, desensitized, liquid, n.o.s. with not more than 30% nitroglycerin, by mass.	4.1	UN3319		II	4.1	118		None ...	None	None	Forbiddn	0.5 kg	E														
Nitroglycerin mixture, desensitized, solid, n.o.s. with more than 2 percent but not more than 10 percent nitroglycerin, by mass.	3	UN3064		II	3	N8		None ...	202 ...	None	Forbiddn	5 L	E														
Nitroglycerin solution in alcohol, with more than 1 percent but not more than 5 percent nitroglycerin.	1.1D	UN0144		II	1.1D			None ...	62	None	Forbiddn	Forbiddn	10													21E	
Nitroglycerin solution in alcohol, with more than 1 percent but not more than 10 percent nitroglycerin.	3	UN1204		II	3	IB2, N34		150	202	None	5 L	60 L	B														
Nitroglycerin solution in alcohol with not more than 1 percent nitroglycerin.	Forbiddn 1.1D	UN0282		II	1.1D			None ...	62	None	Forbiddn	Forbiddn	10														
Nitroguanidine nitrate	Forbiddn 4.1	UN1336		I	4.1	23, A8, A19, A20, N41		None ...	211	None	1 kg	15 kg	E													28, 36	
Nitroguanidine or Picrite, dry or wetted with less than 20 percent water, by mass.	Forbiddn 8	UN1798		I	8	A3, B10, N41, T10, TP2, TP13		None ...	201	243	Forbiddn	2.5 L	D													40, 66, 74, 89, 90	
Nitroguanidine, wetted or Picrite, wetted with not less than 20 percent water, by mass.	Forbiddn 8	UN1798		I	8			None ...	201	243	Forbiddn	2.5 L	D														
1-Nitrohydantoin																											
Nitrohydrochloric acid																											
Nitromannite (dry)	Forbiddn			II	3			150	202	None	Forbiddn	60 L	A														
Nitromannite, wetted, see Mannitol hexanitrate, etc.																											
Nitromethane																											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Nitromuriatic acid, see Nitrohydrochloric acid.</i>												
	Nitronaphthalene	4.1	UN2538	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
+	Nitrophenols (o-, m-, p-)	6.1	UN1663	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	<i>m-Nitrophenylidinitro methane</i>	Forbidden											
	<i>4-Nitrophenylhydrazine, with not less than 30 percent water, by mass.</i>	4.1	UN3376	I	4.1	162, A8, A19, A20, N41	None	211	None	Forbidden	15 kg	E	28, 36
	Nitropropanes	3	UN2608	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>p-Nitrosodimethylaniline</i>	4.2	UN1369	II	4.2	A19, A20, IB6, IP2, N34, T3, TP33	None	212	241	15 kg	50 kg	D	34
	Nitrostarch, dry or wetted with less than 20 percent water, by mass.	1.1D	UN0146	II	1.1D		None	62	None	Forbidden	Forbidden	10	
	Nitrostarch, wetted with not less than 20 percent water, by mass.	4.1	UN1337	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	D	28, 36
	<i>Nitrosugars (dry)</i>	Forbidden											
	Nitrosyl chloride	2.3	UN1069	II	2.3, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	Nitrosylsulfuric acid, liquid	8	UN2308	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90
	Nitrosylsulfuric acid, solid	8	UN3456	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	D	40, 66, 74, 89, 90
	Nitrotoluenes, liquid	6.1	UN1664	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Nitrotoluenes, solid	6.1	UN3446	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Nitrotoluidines (mono)	6.1	UN2660	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Nitrotriazolone or NTO	1.1D	UN0490	II	1.1D		None	62	None	Forbidden	Forbidden	10	
	Nitrous oxide	2.2	UN1070	II	2.2, 5.1	A14	306	304	314, 315	75 kg	150 kg	A	40
	Nitrous oxide, refrigerated liquid	2.2	UN2201	II	2.2, 5.1	B6, T75, TP5, TP22	None	304	314, 315	Forbidden	Forbidden	D	40
	Nitroxylene, liquid	6.1	UN1665	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Nitroxylene, solid	6.1	UN3447	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	<i>Nitroxylol, see Nitroxylene.</i>												
	Nonanes	3	UN1920	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Non-flammable gas, n.o.s., see Com-pressed gas, etc. or Liquefied gas, etc.</i>												

Nonliquefied gases, see Compressed gases, etc. Nonliquefied hydrocarbon gas, see Hydrocarbon gas mixture, compressed, n.o.s. Nonyltrichlorosilane	8	UN1799	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Nordhausen acid, see Sulfuric acid, fuming etc. 2,5-Norbornadiene, stabilized, see Bicycle [2.2.1] hepta-2,5-diene, stabilized. Octadecyltrichlorosilane	8	UN1800	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Octadiene 1,7-Octadine-3,5-diyne-1,8-dimethoxy-9-octadecynoic acid. Octafluorobut-2-ene or Refrigerant gas R 1318. Octafluorocyclobutane, or Refrigerant gas RC 318. Octafluoropropaneor Refrigerant gas R 218. Octanes Octogen, etc. see Cyclooctamethylene tetranitramine, etc.. Octolite or Octol, dry or wetted with less than 15 percent water, by mass.	3	UN2309 Forbidden	II	3	B1, B2, T4, TP1	150	202	242	5 L	60 L	B	
	2.2	UN2422	2.2	2.2		None	304	314, 315.	75 kg	150 kg	A	
	2.2	UN1976	2.2	2.2	T50	None	304	314, 315.	75 kg	150 kg	A	
	2.2	UN2424	2.2	2.2	T50	None	304	314, 315.	75 kg	150 kg	A	
	3	UN1262	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Octogen, etc. see Cyclooctamethylene tetranitramine, etc.. Octolite or Octol, dry or wetted with less than 15 percent water, by mass.	1.1D	UN0266	II	1.1D		None	62	None	Forbidden	Forbidden	10	
Octonal	1.1D	UN0496	1.1D	1.1D		None	62	None	Forbidden	Forbidden	10	
Octyl aldehydes	3	UN1191	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
Octyltrichlorosilane	8	UN1801	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Oil gas, compressed	2.3	UN1071	2.3	2.3, 2.1.	6	None	304	314, 315.	Forbidden	25 kg	D	40
Oleum, see Sulfuric acid, fuming. Organic peroxide type A, liquid or solid	Forbidden											
Organic peroxide type B, liquid	5.2	UN3101	II	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 40, 52, 53
Organic peroxide type B, liquid, temperature controlled.	5.2	UN3111	II	5.2, 1	53	None	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type B, solid	5.2	UN3102	II	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 40, 52, 53
Organic peroxide type B, solid, temperature controlled.	5.2	UN3112	II	5.2, 1	53	None	225	None	Forbidden	Forbidden	D	2, 40, 52, 53
Organic peroxide type C, liquid	5.2	UN3103	II	5.2		152	225	None	5 L	10 L	D	12, 40, 52, 53



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Organic peroxide type C, liquid, tem-perature controlled.	5.2	UN3113	II	5.2 .....		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type C, solid .....	5.2	UN3104	II	5.2 .....		152 .....	225 ...	None	5 kg	10 kg	D	12, 40, 52, 53
G	Organic peroxide type C, solid, tem-perature controlled.	5.2	UN3114	II	5.2 .....		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type D, liquid .....	5.2	UN3105	II	5.2 .....		152 .....	225 ...	None	5 L	10 L	D	12, 40, 52, 53
G	Organic peroxide type D, liquid, tem-perature controlled.	5.2	UN3115	II	5.2 .....		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type D, solid .....	5.2	UN3106	II	5.2 .....		152 .....	225 ...	None	5 kg	10 kg	D	12, 40, 52, 53
G	Organic peroxide type D, solid, tem-perature controlled.	5.2	UN3116	II	5.2 .....		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type E, liquid .....	5.2	UN3107	II	5.2 .....		152 .....	225 ...	None	10 L	25 L	D	12, 40, 52, 53
G	Organic peroxide type E, liquid, tem-perature controlled.	5.2	UN3117	II	5.2 .....		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type E, solid .....	5.2	UN3108	II	5.2 .....		152 .....	225 ...	None	10 kg	25 kg	D	12, 40, 52, 53
G	Organic peroxide type E, solid, tem-perature controlled.	5.2	UN3118	II	5.2 .....		None ...	225 ...	None	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type F, liquid .....	5.2	UN3109	II	5.2 .....	IP5	152 .....	225 ...	225 ...	10 L	25 L	D	12, 40, 52, 53
G	Organic peroxide type F, liquid, tem-perature controlled.	5.2	UN3119	II	5.2 .....	IP5	None ...	225 ...	225 ...	Forbidden	Forbidden	D	2, 40, 52, 53
G	Organic peroxide type F, solid .....	5.2	UN3110	II	5.2 .....	TP33	152 .....	225 ...	225 ...	10 kg	25 kg	D	12, 40, 52, 53
G	Organic peroxide type F, solid, tem-perature controlled.	5.2	UN3120	II	5.2 .....	TP33	None ...	225 ...	225 ...	Forbidden	Forbidden	D	2, 52, 53
D	Organic phosphate, mixed with com-pressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus com-pound, mixed with compressed gas.	2.3	NA1955		2.3 .....	3	None ...	334 ...	None	Forbidden	Forbidden	D	40
	Organic pigments, self-heating .....	4.2	UN3313	III	4.2 .....	IB8, IP2, IP4, T3, TP33	None ...	212 ...	241 ...	15 kg	50 kg	C	
	.....				4.2 .....	IB8, IP3, T1, TP33	None ...	213 ...	241 ...	25 kg	100 kg	C	

G	Organoarsenic compound, liquid, n.o.s.	6.1	UN3280	I	6.1	5, T14, TP2, TP13, TP27	None	201	242	1 L	30 L	B	
				II	6.1	IB2, T11, TP2, TP27	153	202	242	5 L	60 L	B	
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
G	Organoarsenic compound, solid, n.o.s.	6.1	UN3465	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	40
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
				I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	
				II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
				I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
				I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
				I	6.1	T14, TP2, TP13, TP27	None	201	242	1 L	30 L	B	
G	Organometallic compound, toxic, liquid, n.o.s.	6.1	UN3282	II	6.1	IB2, T11, TP2, TP27	153	202	242	5 L	60 L	B	
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
G	Organometallic compound, toxic, solid, n.o.s.	6.1	UN3467	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
				I	4.2	B11, T21, TP2, TP7, TP36	None	181	244	Forbidden	Forbidden	D	78
G	Organometallic substance, liquid, pyrophoric.	4.2	UN3392	I	4.2	B11, T21, TP2, TP7, TP36	None	181	244	Forbidden	Forbidden	D	78
G	Organometallic substance, liquid, water-reactive.	4.2	UN3394	I	4.2	B11, T21, TP2, TP7, TP36	None	181	244	Forbidden	Forbidden	D	78
G	Organometallic substance, liquid, water-reactive.	4.3	UN3398	I	4.3	T13, TP2, TP7, TP36	None	201	244	Forbidden	1 L	E	40, 52
				II	4.3	IB1, T7, TP2, TP7, TP36	None	202	243	1 L	5 L	E	40, 52
				III	4.3	IB2, T7, TP2, TP7, TP36	None	203	242	5 L	60 L	E	40, 52
				I	4.3, 3	T13, TP2, TP7, TP36	None	201	244	Forbidden	1 L	D	40, 52
				II	4.3, 3	IB1, IP2, T7, TP2, TP7, TP36	None	202	243	1 L	5 L	D	40, 52
				III	4.3, 3	IB2, IP4, T7, TP2, TP7, TP36	None	203	242	5 L	60 L	E	40, 52

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Organometallic substance, solid, pyrophoric.	4.2	UN3391	I	4.2	T21, TP7, TP33, TP36	None	187	244	Forbidden	Forbidden	D	
G	Organometallic substance, solid, pyrophoric, water-reactive.	4.2	UN3393	I	4.2, 4.3	B11, T21, TP7, TP33, TP36	None	187	244	Forbidden	Forbidden	D	52
G	Organometallic substance, solid, self-heating.	4.2	UN3400	II	4.2	IB6, T3, TP33, TP36	None	212	242	15 kg	50 kg	C	
G	Organometallic substance, solid, water-reactive.	4.3	UN3395	III	4.2, 4.3	IB8, T1, TP33, TP36 N40, T9, TP7, TP33, TP36	None	213	242	25 kg	100 kg	C	40, 52
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	III	4.3	IB4, T3, TP33, TP36	151	212	242	15 kg	50 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, self-heating.	4.3	UN3397	III	4.3, 4.1	IB6, T1, TP33, TP36	151	213	241	25 kg	100 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, self-heating.	4.3	UN3399	I	4.3, 4.2	N40, T9, TP7, TP33, TP36	None	211	242	Forbidden	15 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, self-heating.	4.3	UN3396	III	4.3, 4.2	IB4, T3, TP33, TP36	151	212	242	15 kg	50 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, self-heating.	4.2	UN3391	I	4.2	T21, TP7, TP33	None	187	244	Forbidden	Forbidden	D	52
G	Organometallic substance, solid, water-reactive.	4.3	UN3395	III	4.3	IB6, T3, TP33	None	212	242	15 kg	50 kg	C	
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	I	4.3, 4.1	IB4, T3, TP33 IB6, T1, TP33	151	212	242	15 kg	50 kg	E	40, 52
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	III	4.3, 4.1	N40, T9, TP7, TP33	None	211	242	Forbidden	Forbidden	E	40, 52
G	Organometallic substance, solid, water-reactive, flammable.	4.3	UN3396	III	4.3, 4.1	IB4, T3, TP33	151	212	242	15 kg	50 kg	E	40, 52

G	Organometallic substance, solid, water-reactive, self-heating.	4.3	UN3397	III	4.3, 4.1, 4.3, 4.2, 4.3, 4.2, 4.3, 4.2, 6.1, 3	IB6, T1, TP33	151	213	241	25 kg	100 kg	E	40, 52
				I	4.3, 4.2, 6.1, 3	N40, T9, TP7, TP33	None	211	242	Forbiddén	Forbiddén	E	40, 52
				II	4.3, 4.2, 6.1, 3	IB4, T3, TP33	None	212	242	15 kg	50 kg	E	40, 52
				III	4.3, 4.2, 6.1, 3	IB6, T1, TP33	None	213	241	25 kg	100 kg	E	40, 52
	Organophosphorus compound, toxic, flammable, n.o.s..	6.1	UN3279	I	6.1, 3	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
G	Organophosphorus compound, toxic, liquid, n.o.s..	6.1	UN3278	I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	
				II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
G	Organophosphorus compound, toxic, solid, n.o.s..	6.1	UN3464	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Organophosphorus pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN2784	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbiddén	30 L	B	40
				II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
				I	6.1	N76, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1	IB2, N76, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1	IB3, N76, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	Organophosphorus pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3017	I	6.1, 3	N76, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
				II	6.1, 3	IB2, N76, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				III	6.1, 3	B1, IB3, N76, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
				I	6.1	IB7, IP1, N77, T6, TP33	None	211	242	5 kg	50 kg	A	40
				II	6.1	IB8, IP2, IP4, N77, T3, TP33	153	212	242	25 kg	100 kg	A	40
				III	6.1	IB8, IP3, N77, T1, TP33	153	213	240	100 kg	200 kg	A	40
	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
				II	6.1	A3, IB2, N33, N34, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	A	40
				III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
				I	6.1	A5, IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
D G	Organotin pesticides, liquid, flam-mable, toxic, flash point less than 23 degrees C. Organotin pesticides, liquid, toxic Organotin pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C. Organotin pesticides, solid, toxic Ortho-nitroaniline, see Nitroanilines etc. Cesium tetroxide Other regulated substances, liquid, n.o.s. Other regulated substances, solid, n.o.s. Oxidizing liquid, corrosive, n.o.s.	3	UN2787	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
		6.1	UN3020	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
		6.1	UN3019	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
		6.1	UN3019	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
		6.1	UN2786	I	6.1	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
		6.1	UN2786	II	6.1	IB7, IP1, T6, TP33	153	211	242	5 kg	50 kg	A	40
		6.1	UN2786	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
		6.1	UN2786	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
		6.1	UN2471	I	6.1	A8, IB7, IP1, N33, N34, T6, TP33	None	211	242	5 kg	50 kg	B	40
		9	NA3082	III	9	IB3, T2, TP1	155	203	241	No limit	No limit	A	
9	NA3077	III	9	B54, IB8, IP2, T1, TP33	155	213	240	No limit	No limit	A			
5.1	UN3098	I	5.1, 8	62, A6	None	201	244	Forbidden	2.5 L	D	13, 56, 56, 106, 138		
5.1, 8		II	5.1, 8	62, IB1	None	202	243	1 L	5 L	B	13, 34, 56, 58, 106, 138		
5.1, 8		III	5.1, 8	62, IB2	152	203	242	2.5 L	30 L	B	13, 34, 56, 58, 106, 138		

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

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
				II	5.1, 6.1	62, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	B	56, 58, 95, 106, 138
				III	5.1, 6.1	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	56, 58, 95, 106, 138
G	Oxidizing solid, water reactive, n.o.s.	5.1	UN3121		5.1, 4.3	62	None	214	214	Forbidden	Forbidden		
	Oxygen, compressed	2.2	UN1072		2.2, 5.1	110, A14	306	302	314, 315	75 kg	150 kg		
	Oxygen difluoride, compressed	2.3	UN2190		2.3, 5.1, 8	1, N86	None	304	None	Forbidden	Forbidden	D	13, 40, 89, 90
	Oxygen generator, chemical (including when contained in associated equipment, e.g., passenger service units (PSUs), portable breathing equipment (PBE), etc.).	5.1	UN3356	II	5.1		None	168	None	Forbidden	25 kg	D	56, 58, 69, 106
+	Oxygen generator, chemical, spent ..	9	NA3356	III	9	61	None	213	None	Forbidden	Forbidden	A	
	Oxygen, refrigerated liquid (cryogenic liquid).	2.2	UN1073		2.2, 5.1	T75, TP5, TP22	320	316	318	Forbidden	Forbidden	D	
	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base.	3	UN1263	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
				II	3	149, B52, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B	
				III	3	B1, B52, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A	
	Paint or Paint related material	8	UN3066	II	8	B2, IB2, T7, TP2, TP28	154	173	242	1 L	30 L	A	40
	Paint related material including paint thinning, drying, removing, or reducing compound.	3	UN1263	I	3	B52, IB3, T4, TP1, TP29	154	173	241	5 L	60 L	A	40
						T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
				II	3	149, B52, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B	

Paint, corrosive, flammable (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base).	8	UN3470	III	3	.....	B1, B52, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A	40.
Paint related material corrosive, flammable (including paint thinning or reducing compound).	8	UN3470	II	8, 3	....	IB2, T7, TP2, TP8, TP28	154	202	243	1 L	30 L	B	40.
Paint related material, flammable, corrosive (including paint thinning or reducing compound).	3	UN3469	I	3, 8	....	T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E	40
Paint, flammable, corrosive (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base).	3	UN3469	I	3, 8	....	T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E	40.
Paper, unsaturated oil treated completely dried (including carbon paper).	4.2	UN1379	II	3, 8	....	IB2, T7, TP2, TP8, TP28	150	202	243	1 L	5 L	B	40.
Paraformaldehyde	4.1	UN2213	III	3, 8	....	IB3, T4, TP1, TP29	150	203	242	5 L	60 L	A	40.
Paraldehyde	3	UN1264	III	4.2	....	IB8, IP3	None	213	241	Forbidden	Forbidden	A	
Paranitroaniline solid, 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	UN1689	II	6.1	....	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Pentachlorophenol	6.1	UN3155	II	6.1	....	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Pentaerythrite tetranitrate (dry)	Forbidden												
Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s. or Pentaerythritol tetranitrate mixture, desensitized, solid, n.o.s. or PETN mixture, desensitized, solid, n.o.s., with more than 10 percent but not more than 20 percent PETN, by mass.	4.1	UN3344	II	4.1	....	118, N85	None	214	None	Forbidden	Forbidden	E	
Pentaerythrite tetranitrate or Pentaerythritol tetranitrateor PETN, with not less than 7 percent wax by mass.	1.1D	UN0411	II	1.1D	..	120	None	62	None	Forbidden	Forbidden	10	



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
(1)	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		
	Pentafluoroethane or Refrigerant gas R 125.	2.2	UN3220		2.2 .....	T50	306 .....	304 .....	314 .....	75 kg	150 kg A		A	
	Pentamethylheptane .....	3	UN2286	III	3 .....	B1, IB3, T2, TP1	150 .....	203 .....	242 .....	60 L	220 L A		A	
	Pentane-2,4-dione .....	3	UN2310	III	3, 6.1 .....	B1, IB3, T4, TP1	150 .....	203 .....	242 .....	60 L	220 L A		A	
	Pentanes .....	3	UN1265	I	3 .....	T11, TP2	150 .....	201 .....	243 .....	1 L	30 L E		E	
	Pentanoic acid .....	3	UN1265	II	3 .....	IB2, IP8, T4, TP1	150 .....	202 .....	242 .....	5 L	60 L E		E	
	Pentamethylheptane (dry) .....	Forbidden												
	Pentanols .....	3	UN1105	II	3 .....	IB2, T4, TP1, TP29	150 .....	202 .....	242 .....	5 L	60 L B		B	
	1-Pentene (n-amylenes) .....	3	UN1108	III	3 .....	B1, IB3, IB3, T2, TP1	150 .....	203 .....	242 .....	60 L	220 L A		A	
	1-Pentol .....	8	UN2705	II	8 .....	T11, TP2	150 .....	201 .....	243 .....	1 L	30 L E		E	
	Pentolite, dry or wetted with less than 15 percent water, by mass. Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized.	1.1D	UN0151	II	1.1D ..	B2, IB2, T7, TP2	154 .....	202 .....	242 .....	1 L	30 L B		B	26, 27
	Perchlorates, inorganic, aqueous solution, n.o.s. ....	5.1	UN3211	II	5.1 .....	IB2, T4, TP1	152 .....	202 .....	242 .....	1 L	5 L B		B	56, 58, 133
	Perchlorates, inorganic, n.o.s. ....	5.1	UN1481	III	5.1 .....	IB2, T4, TP1	152 .....	202 .....	241 .....	2.5 L	30 L B		B	56, 58, 69, 133
	Perchloric acid, with more than 72 percent acid by mass.	Forbidden												
	Perchloric acid with more than 50 percent but not more than 72 percent acid, by mass.	5.1	UN1873	I	5.1, 8 .....	A2, A3, N41, T10, TP1	None ..	201 .....	243 .....	Forbidden	2.5 L D		D	66

	8	UN1802	II	8, 5.1	IB2, N41, T7, TP2	None ...	202 ...	243 ...	Forbidden	30 L	C	66
Perchloric acid with not more than 50 percent acid by mass. <i>see</i> Perchloroethylene, Tetrachloroethylene.	6.1	UN1670	I	6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40
Perchloromethyl mercaptan	2.3	UN3083	2.3, 5.1	2.3, 5.1	2, B9, B14	None ...	302 ...	314, 315	Forbidden	Forbidden	D	40
Perchloryl fluoride	2.1	UN3154	2.1	2.1		306 ...	302, 304, 305	314, 315	Forbidden	150 kg	E	40
Percussion caps, <i>see</i> Primers, cap type.												
Perfluoro-2-butene, <i>see</i> Octafluorobut-2-ene.												
Perfluoro(ethyl vinyl ether)	2.1	UN3153	2.1	2.1	T50	306 ...	302, 304, 305	314, 315	Forbidden	150 kg	E	40
Perfluoro(methyl vinyl ether)	2.1	UN3153	2.1	2.1		306 ...	302, 304, 305	314, 315	Forbidden	150 kg	E	40
Perfumery products with flammable solvents.	3	UN1266	II	3	149, IB2, T4, TP1, TP8	150 ...	202 ...	242 ...	15 L	60 L	B	
Permanganates, inorganic, aqueous solution, n.o.s.	5.1	UN3214	III	3	B1, IB3, T2, TP1	150 ...	203 ...	242 ...	60 L	220 L	A	56, 58, 133, 138
	5.1	UN3214	II	5.1	26, 353, IB2, T4, TP1	152 ...	202 ...	242 ...	1 L	5 L	D	56, 58, 133, 138
	5.1	UN1482	III	5.1	26, 353, A30, IB6, IP2, T3, TP33	152 ...	212 ...	242 ...	5 kg	25 kg	D	56, 58, 133, 138
	5.1	UN1482	III	5.1	26, 353, A30, IB8, IP3, T1, TP33	152 ...	213 ...	240 ...	25 kg	100 kg	D	56, 58, 133, 138
Permeation devices for calibrating air quality monitoring equipment <i>See</i> §173.175.	5.1	UN1483	II	5.1	A7, A20, IB6, IP2, N34, T3, TP33	None ...	212 ...	242 ...	5 kg	25 kg	A	13, 52, 66, 75
Peroxides, inorganic, n.o.s.	5.1	UN1483	III	5.1	A7, A20, IB8, IP3, N34, T1, TP33	152 ...	213 ...	240 ...	25 kg	100 kg	A	13, 52, 66, 75
Peroxyacetic acid, with more than 43 percent and with more than 6 percent hydrogen peroxide.	Forbidden											
Persulfates, inorganic, aqueous solution, n.o.s.	5.1	UN3216	III	5.1	IB2, T4, TP1, TP29	152 ...	203 ...	241 ...	2.5 L	30 L	A	56, 133
Pests, inorganic, n.o.s.	5.1	UN3215	III	5.1	IB8, IP3, T1, TP33	152 ...	213 ...	240 ...	25 kg	100 kg	A	56, 58
Pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	UN3021	I	3, 6.1	B5, T14, TP2, TP13, TP27	None ...	201 ...	243 ...	Forbidden	30 L	B	
	II		II	3, 6.1	IB2, T11, TP2, TP13, TP27	150 ...	202 ...	243 ...	1 L	60 L	B	
	6.1	UN2903	I	6.1, 3	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	1 L	30 L	B	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym- bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi- fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep- tions (8A)	Non- bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air- craft only (9B)	Other Loca- tion (10A)	(10B)	
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40	
G	Pesticides, liquid, toxic, n.o.s.	6.1	UN2902	III	6.1, 3	B1, IB3, T7, TP2	153	203	242	60 L	220 L	A	40	
				II	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40	
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40	
G	Pesticides, solid, toxic, n.o.s.	6.1	UN2588	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40	
				I	6.1	IB7, T6, TP33	None	211	242	5 kg	50 kg	A	40	
				III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40	
				I	3	144, 357, T11, TP1, TP8	150	201	243	1 L	30 L	E		
				II	3	144, 357, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B		
				III	3	144, 357, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
				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	2.1	T50	306	304	314,	Forbidden	150 kg	E	40	
				I	3	144, T11, TP1	None	201	243	1 L	30 L	E		
				II	3	144, IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B		
I	Petroleum sour crude oil, flammable, toxic.	3	UN3494	I	3, 6.1	343, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	40	
				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, T3, TP33	153	212	242	25 kg	100 kg	B	40	
				III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
				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, T3, TP33	153	212	242	25 kg	100 kg	A		

6.1	UN2821	Phenol solutions	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
			III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	8	Phenolsulfonic acid, liquid	II	8	B2, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	14
	3	Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic flash point less than 23 degrees C.	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
6.1	UN3348	Phenoxyacetic acid derivative pesticide, liquid, toxic.	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
			I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
6.1	UN3347	Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C.	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
			III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
			I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
6.1	UN3345	Phenoxyacetic acid derivative pesticide, solid, toxic.	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
			III	6.1, 3	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
			I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
6.1	UN2746	Phenyl chloroformate	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	12, 13, 21, 25, 40, 100
			I	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	40
6.1	UN2487	Phenyl isocyanate	I	6.1, 3	2, B9, B14, B32, B77, N33, N34, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D	40
6.1	UN2337	Phenyl mercaptan	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D	40, 52
8	UN2798	Phenyl phosphorus dichloride	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40
8	UN2799	Phenyl phosphorus trichloride	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40
6.1	UN3002	Phenyl urea pesticides, liquid, toxic	I	6.1	T14, TP2, TP27	None	201	243	1 L	30 L	B	40
			II	6.1	T7, TP2	None	202	243	5 L	60 L	B	40
			III	6.1	T4, TP1	153	203	241	60 L	220 L	A	40
			II	8	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
			I	6.1	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	40
			I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D	40
6.1	UN1673	<i>m</i> -Phenylene diaminedipchlorate (dry).	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
			II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
			I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
			III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
			II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Phenylmercuric nitrate .....	6.1	UN1895	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Phenyltrichlorosilane .....	8	UN1804	II	8	A7, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	Phosgene .....	2.3	UN1076	II	2.3, 8	1, B7, B46	None	192	314	Forbidden	Forbidden	D	40
	9-Phosphabicyclonanes or Cyclooctadiene phosphines.	4.2	UN2940	II	4.2	A19, IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	A	
	Phosphine .....	2.3	UN2199	II	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
	Phosphoric acid solution .....	8	UN1805	III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	
	Phosphoric acid solid .....	8	UN3453	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
	Phosphoric acid triethylamine, see Tris-(1-aziridinyl)phosphine oxide, solution.												
	Phosphoric anhydride, see Phosphorus pentoxide.												
	Phosphorous acid .....	8	UN2834	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	48
	Phosphorus, amorphous .....	4.1	UN1338	III	4.1	A1, A19, B1, B9, B26, IB8, IP3, T1, TP33	None	213	243	25 kg	100 kg	A	74
	Phosphorus bromide, see Phosphorus tribromide.												
	Phosphorus chloride, see Phosphorus trichloride.												
	Phosphorus heptasulfide, free from yellow or white phosphorus.	4.1	UN1339	II	4.1	A20, IB4, N34, T3, TP33	None	212	240	15 kg	50 kg	B	74
	Phosphorus oxybromide .....	8	UN1939	II	8	B8, IB8, IP2, IP4, N41, N43, T3, TP33	None	212	240	Forbidden	50 kg	C	12, 40
	Phosphorus oxybromide, molten .....	8	UN2576	II	8	B2, B8, IB1, N41, N43, T7, TP3, TP13	None	202	242	Forbidden	Forbidden	C	40
	Phosphorous oxychloride .....	6.1	UN1810	I	6.1, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
+	Phosphorus pentabromide .....	8	UN2691	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	Forbidden	50 kg	B	12, 40, 53, 55
	Phosphorus pentachloride .....	8	UN1806	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	None	212	240	Forbidden	50 kg	C	40, 44, 89, 100, 141

Phosphorus Pentafluoride .....	2.3	UN2198	2, 3, 8	2, B9, B14	None ...	302, 304	314, 315	Forbidden	D	40
Phosphorus pentasulfide, free from yellow or white phosphorus.	4.3	UN1340	4.3, 4.1	A20, B59, IB4, T3, TP33	151 .....	212 ...	242 ...	15 kg	B	74
Phosphorus pentoxide .....	8	UN1807	8	A7, IB8, IP2, IP4, N34, T3, TP33	154 .....	212 ...	240 ...	15 kg	A	74
Phosphorus sesquisulfide, free from yellow or white phosphorus.	4.1	UN1341	4.1	A20, IB4, N34, T3, TP33	None ...	212 ...	240 ...	15 kg	B	74
Phosphorus tribromide .....	8	UN1808	8	A3, A6, A7, B2, B25, IB2, N34, N43, T7, TP2	None ...	202 ...	242 ...	Forbidden	C	40
Phosphorus trichloride .....	6.1	UN1809	6.1, 8	2, B9, B14, B15, B32, B77, N34, T20, TP2, TP13, TP38, TP45	None ...	227 ...	244 ...	Forbidden	C	40
Phosphorus trioxide .....	8	UN2578	8	IB8, IP3, T1, TP33	154 .....	213 ...	240 ...	25 kg	A	12
Phosphorus trisulfide, free from yellow or white phosphorus.	4.1	UN1343	4.1	A20, IB4, N34, T3, TP33	None ...	212 ...	240 ...	15 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	4.2, 6.1	B9, B26, N34, T9, TP3, TP31	None ...	188 ...	243 ...	Forbidden	E	
Phosphorus white, molten .....	4.2	UN2447	4.2, 6.1	B9, B26, N34, T21, TP3, TP7, TP26	None ...	188 ...	243 ...	Forbidden	D	
Phosphorus (white or red) and a chlorate mixtures of oxychloride.	Forbidden									
Phosphoryl chloride, see Phosphorus oxychloride.										
Phthalic anhydride with more than .05 percent maleic anhydride.	8	UN2214	8	IB8, IP3, T1, TP33	154 .....	213 ...	240 ...	25 kg	A	
Picolines .....	3	UN2313	3	B1, IB3, T4, TP1	150 .....	203 ...	242 ...	60 L	A	40
Picric acid, see Trinitrophenol, etc.										
Picrite, see Nitroguanidine, etc.										
Picryl chloride, see Trinitrochlorobenzene.										
Pine oil .....	3	UN1272	3	B1, IB3, T2, TP1	150 .....	203 ...	242 ...	60 L	A	
alpha-Pinene .....	3	UN2368	3	B1, IB3, T2, TP1	150 .....	203 ...	242 ...	60 L	A	
Piperazine .....	8	UN2579	8	IB8, IP3, T1, TP33	154 .....	213 ...	240 ...	25 kg	A	12, 52
Piperidine .....	8	UN2401	8, 3	A10, T10, TP2	None ...	201 ...	243 ...	0.5 L	B	52
Phthaloyl chloride, see Trimethylacetyl chloride.										
Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor.	9	UN3314	9	32, IB8, IP3, IP7	155 .....	221 ...	221 ...	100 kg	E	19, 21, 25, 87, 144.
Plastic solvent, n.o.s., see Flammable liquids, n.o.s.										
Plastics, nitrocellulose-based, self-heating, n.o.s.	4.2	UN2006	4.2		None ...	213 ...	None	Forbidden	C	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Poisonous gases, n.o.s., see Com-pressed or liquefied gases, flam-mable or toxic, n.o.s. <i>Polyalkylamines, n.o.s., see Amines, etc.</i> Polyamines, flammable, corrosive, n.o.s. see Amines, flammable, cor-rosive, n.o.s. Polyamines, liquid, corrosive, n.o.s. see Amines, liquid, corrosive, n.o.s. Polyamines, liquid, corrosive, flam-mable, n.o.s. see Amines, liquid, corrosive, flammable, n.o.s. Polychlorinated biphenyls, liquid ..... Polychlorinated biphenyls, solid .....	9 9	UN2315 UN3432	II II	9 9	9, 81, 140, IB3, T4, TP1 9, 81, 140, IB8, IP2, IP4, T3, TP33	155 ..... 155 ..... 165 ..... 155 ..... 155 ..... 155 .....	202 ..... 212 ..... 165 ..... 204 ..... 204 ..... 221 .....	241 ..... 240 ..... None ..... 241 ..... 241 ..... 221 .....	100 L 100 kg 5 kg 100 L 100 kg 100 kg	220 L 200 kg 5 kg 220 L 200 kg 200 kg	A A B A A E	95 95 95 95 19, 21, 25, 87, 144, 52
	Polyester resin kit ..... Polyhalogenated biphenyls, liquid or Polyhalogenated terphenyls liquid. Polyhalogenated biphenyls, solid or Polyhalogenated terphenyls, solid. Polymeric beads expandable, evalu- ating flammable vapor. Potassium .....	4.3	UN2257	I	4.3	A7, A19, A20, B27, IB4, IP1, N6, N84, T9, TP7, TP33	None .. 153 ..... 153 .....	211 ..... 212 ..... 212 ..... 212 ..... 211 ..... 212 ..... 212 ..... 212 .....	211 ..... 242 ..... 242 ..... 242 ..... 242 ..... 242 ..... 242 ..... 242 .....	Forbidden 25 kg 25 kg Forbidden 5 kg 5 kg 1 L 15 kg	100 kg 100 kg 100 kg 100 kg 15 kg	D	52
	Potassium arsenate ..... Potassium arsenite ..... <i>Potassium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.</i> Potassium borohydride ..... Potassium bromate ..... Potassium carbonyl ..... Potassium chlorate .....	6.1 6.1 4.3 5.1 Forbidden 5.1	UN1677 UN1678 UN1870 UN1484 UN1485 UN2427	II II I II II II	6.1 6.1 4.3 5.1 5.1 5.1	IB8, IP2, IP4, T3, TP33 IB8, IP2, IP4, T3, TP33 A19, N40 IP4, T3, TP33 A9, IB8, IP2, IP4, N84, T3, TP33 A2, IB2, T4, TP1	153 ..... 153 ..... None .. 152 ..... 152 ..... 152 ..... 152 .....	212 ..... 212 ..... 211 ..... 212 ..... 212 ..... 212 ..... 202 .....	242 ..... 242 ..... 242 ..... 242 ..... 242 ..... 242 ..... 241 .....	25 kg 25 kg Forbidden 5 kg 5 kg 1 L	100 kg 100 kg 15 kg 25 kg 25 kg 5 L	A A E A A B	52 56, 58 56, 58 56, 58 56, 58, 133

UN number	Proper shipping name	Class	Subclass	Label	Quantity	Special provisions	Quantity	Label	Special provisions
6.1	Potassium chlorate mixed with mineral oil, see Explosive, blasting, type C.	III	5.1	A2, IB2, T4, TP1	152	203	241	30 L	56, 58, 69, 133
6.1	Potassium cuprocyanide	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	52
6.1	Potassium cyanide, solid	I	6.1	B69, B77, IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	52
6.1	Potassium cyanide solution	I	6.1	B69, B77, N74, N75, T14, TP2, TP13	None	201	243	30 L	52
		II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27	153	202	243	60 L	52
		III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28	153	203	241	220 L	52
4.2	Potassium dichloro isocyanurate or Potassium dichloro-s-triazinetrione, see Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts etc.	II	4.2	A8, A19, A20, IB6, IP2, T3, TP33	None	212	241	50 kg	13
6.1	Potassium dithionite or Potassium hydrosulfite.	III	6.1	IB8, IP3, T1, TP33	153	213	240	200 kg	52
6.1	Potassium fluoride, solid	III	6.1	IB3, T4, TP1	153	203	241	220 L	52
6.1	Potassium fluoride solution	I	6.1	IB7, IP1, T6, TP33	None	211	242	50 kg	52
6.1	Potassium fluoroacetate	I	6.1	IB8, IP3, T1, TP33	153	213	240	200 kg	52
6.1	Potassium fluorosilicate	III	6.1						
	Potassium hydrate, see Potassium hydroxide, solid.								
	Potassium hydrogen fluoride, see Potassium hydrogen difluoride.								
	Potassium hydrogen difluoride, see Potassium hydrogen fluoride solution, see Corrosive liquid, n.o.s.								
8	Potassium hydrogen sulfate	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	50 kg	25, 40, 52
8	Potassium hydrogendifluoride solid	II	8, 6.1	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	50 kg	25, 40, 52
8	Potassium hydrogendifluoride solution.	II	8, 6.1	IB2, N3, N34, T7, TP2	154	202	243	30 L	25, 40, 52
	Potassium hydrosulfite, see Potassium dithionite.	III	8, 6.1	IB3, N3, N34, T4, TP1	154	203	241	60 L	40, 52
	Potassium hydroxide, liquid, see Potassium hydroxide solution.								
8	Potassium hydroxide, solid	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	50 kg	52
8	Potassium hydroxide, solution	II	8	B2, IB2, T7, TP2	154	202	242	30 L	52
	Potassium hypochlorite, solution, see Hypochlorite solutions, etc.	III	8	IB3, T4, TP1	154	203	241	60 L	52
4.3	Potassium, metal alloys, liquid	I	4.3	A7, A19, A20, B27	None	201	244	1 L	40, 52



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Potassium, metal alloys, solid .....	4.3	UN3403	I	4.3 .....	A19, A20, B27, IB4, IP1, T9, TP7, TP33	None ...	211 ...	244 ...	Forbidden	15 kg	D	
	Potassium metavanadate .....	6.1	UN2864	II	6.1 .....	IB8, IP2, IP4, T3, TP33	153 .....	212 ...	242 ...	25 kg	100 kg	A	
	Potassium monoxide .....	8	UN2033	II	8 .....	IB8, IP2, IP4, T3, TP33	154 .....	212 ...	240 ...	15 kg	50 kg	A	29, 52.
	Potassium nitrate .....	5.1	UN1486	III	5.1 .....	A1, A29, IB8, IP3, T1, TP33, W1	152 .....	213 ...	240 ...	25 kg	100 kg	A	
	Potassium nitrate and sodium nitrite mixtures.	5.1	UN1487	II	5.1 .....	B78, IB8, IP2, IP4, T3, TP33	152 .....	212 ...	240 ...	5 kg	25 kg	A	56, 58
	Potassium nitrite .....	5.1	UN1488	II	5.1 .....	IB8, IP2, IP4, T3, TP33	152 .....	212 ...	242 ...	5 kg	25 kg	A	56, 58
	Potassium perchlorate .....	5.1	UN1489	II	5.1 .....	IB6, IP2, T3, TP33	152 .....	212 ...	242 ...	5 kg	25 kg	A	56, 58
	Potassium permanganate .....	5.1	UN1490	II	5.1 .....	IB8, IP2, IP4, T3, TP33	152 .....	212 ...	240 ...	5 kg	25 kg	D	138
	Potassium peroxide .....	5.1	UN1491	I	5.1 .....	A20, IB6, IP1, N34	None ...	211 ...	None	Forbidden	15 kg	B	13, 52, 66, 75
	Potassium persulfate .....	5.1	UN1492	III	5.1 .....	A1, A29, IB8, IP3, T1, TP33	152 .....	213 ...	240 ...	25 kg	100 kg	A	58, 145
	Potassium phosphide .....	4.3	UN2012	I	4.3, 6.1.	A19, N40	None ...	211 ...	None	Forbidden	15 kg	E	40, 52, 85
	<i>Potassium selenate, see Selenates or Selenites.</i> <i>Potassium selenite, see Selenates or Selenites.</i>												
	Potassium sodium alloys, liquid .....	4.3	UN1422	I	4.3 .....	A7, A19, B27, N34, N40, T9, TP3, TP7, TP31	None ...	201 ...	244 ...	Forbidden	1 L	E	40, 52
	Potassium sodium alloys, solid .....	4.3	UN3404	I	4.3 .....	A19, B27, N34, N40, T9, TP7, TP33	None ...	211 ...	244 ...	Forbidden	15 kg	D	52
	Potassium sulfide, anhydrous or Potassium sulfide with less than 30 percent water of crystallization.	4.2	UN1382	II	4.2 .....	A19, A20, B16, IB6, IP2, N34, T3, TP33	None ...	212 ...	241 ...	15 kg	50 kg	A	52
	Potassium sulfide, hydrated with not less than 30 percent water of crystallization.	8	UN1847	II	8 .....	IB8, IP2, IP4, T3, TP33	154 .....	212 ...	240 ...	15 kg	50 kg	A	52
	Potassium superoxide .....	5.1	UN2466	I	5.1 .....	A20, IB6, IP1	None ...	211 ...	None	Forbidden	15 kg	B	13, 52, 66, 75
	Powder cake, wetted or Powder paste, wetted with not less than 17 percent alcohol by mass.	1.1C	UN0433	II	1.1C ..		None ...	62 .....	None	Forbidden	Forbidden	10	

	1.3C	UN0159	II	1.3C ..		None ..	62 .....	None	Forbidden	Forbidden	10	26E 26E
Powder cake, wetted or Powder paste, wetted with not less than 25 percent water, by mass.						None ..	62 .....	None	Forbidden	Forbidden		
Powder, smokeless	1.1C	UN0160	II	1.1C ..		None ..	62 .....	None	Forbidden	Forbidden		
Powder, smokeless	1.3C	UN0161	II	1.3C ..		None ..	62 .....	None	Forbidden	Forbidden	06	
Powder, smokeless	1.4C	UN0509		1.4C ..		None ..	62 .....	None	Forbidden	75 kg		
Power device, explosive, see Cartridges, power device.												
Primers, cap type	1.4S	UN0044	II	None		None ..	62 .....	None	Forbidden	25 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	Forbidden	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 .....	Forbidden	30 L	E	
Projectiles, illuminating, see Ammunition, illuminating, etc.												
Projectiles, inert with tracer	1.4S	UN0345	II	3 .....	149, IB2, T4, TP1, TP8	150 .....	173 .....	242 .....	Forbidden	60 L	B	
Projectiles, inert, with tracer	1.3G	UN0424	II	3 .....	B1, IB3, T2, TP1	150 .....	173 .....	242 .....	Forbidden	220 L	A	
Projectiles, inert, with tracer	1.4G	UN0425	II	1.4S ..					Forbidden	25 kg	01	
Projectiles, with burster or expelling charge.	1.2D	UN0346	II	1.4G ..					Forbidden	Forbidden	03	
Projectiles, with burster or expelling charge.	1.4D	UN0347	II	1.2D ..					Forbidden	Forbidden	03	
Projectiles, with burster or expelling charge.	1.2F	UN0426	II	1.4D ..					Forbidden	75 kg	02	
Projectiles, with burster or expelling charge.	1.4F	UN0427	II	1.2F ..					Forbidden	Forbidden	08	
Projectiles, with burster or expelling charge.	1.2G	UN0434	II	1.4F ..					Forbidden	Forbidden	08	
Projectiles, with burster or expelling charge.	1.4G	UN0435	II	1.2G ..					Forbidden	Forbidden	03	
Projectiles, with bursting charge	1.1F	UN0167	II	1.4G ..					Forbidden	75 kg	02	
Projectiles, with bursting charge	1.1D	UN0168	II	1.1F ..					Forbidden	Forbidden	08	
Projectiles, with bursting charge	1.2D	UN0169	II	1.1D ..					Forbidden	Forbidden	03	
Projectiles, with bursting charge	1.2F	UN0324	II	1.2D ..					Forbidden	Forbidden	03	
Projectiles, with bursting charge	1.4D	UN0344	II	1.2F ..					Forbidden	Forbidden	08	
Propadiene, stabilized	2.1	UN2200	II	1.4D ..		None ..	304 .....	62 .....	Forbidden	75 kg	02	
Propadiene mixed with methyl acetylene, see Methyl acetylene and propadiene mixtures, stabilized.				2.1 .....				314, 315.	Forbidden	150 kg	B	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
	Propane see also Petroleum gases, liquefied.	2.1	UN1978		2.1	19, T50	306	304	314	Forbidden	150 kg	E	40	
	Propanethiols	3	UN2402	II	3	A6, IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E	95, 102	
	n-Propanol or Propyl alcohol, normal	3	UN1274	III	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Propellant, liquid	1.3C	UN0495	II	1.3C	B1, IB3, T2, TP1	None	62	None	Forbidden	220 L	A		
	Propellant, liquid	1.1C	UN0497	II	1.1C	37	None	62	None	Forbidden	Forbidden	10		
	Propellant, solid	1.1C	UN0498	II	1.1C	37	None	62	None	Forbidden	Forbidden	10	26E	
	Propellant, solid	1.3C	UN0499	II	1.3C		None	62	None	Forbidden	Forbidden		26E	
	Propionic acid	1.4C	UN0501	II	1.4C	IB2, T7, TP1	None	62	None	Forbidden	Forbidden	A	24E	
	Propionic acid with not less than 90% acid by mass.	3	UN1275	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	E		
	Propionic acid with not less than 10% and less than 90% acid by mass.	8	UN3463	II	8, 3		154	202	243	1 L	30 L	A		
	Propionic acid with not less than 10% and less than 90% acid by mass.	8	UN1848	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A		
	Propionitrile	3	UN2496	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40	
	Propionyl chloride	3	UN2404	II	3, 6.1	IB2, T7, TP1, TP13	None	202	243	Forbidden	60 L	E	40	
	n-Propyl acetate	3	UN1815	II	3, 8	IB1, T7, TP1	150	202	243	1 L	5 L	B	40	
	Propyl alcohol, see Propanol.	3	UN1276	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
	n-Propyl benzene	3	UN2364	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	21, 40, 100	
	n-Propyl chloroformate	6.1	UN2740	I	6.1, 3, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	B		
	Propyl chloride see 1-Chloropropane.													
	Propyl formates	3	UN1281	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40	
	n-Propyl isocyanate	6.1	UN2482	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D		
	Propyl mercaptan, see Propanethiols.													
	n-Propyl nitrate	3	UN1865	II	3	IB9	150	202	None	5 L	60 L	D	44, 89, 90, 100	
	Propylamine	3	UN1277	II	3, 8	A7, IB2, N34, T7, TP1	150	202	243	1 L	5 L	E	40	
	Propylene see also Petroleum gases, liquefied.	2.1	UN1077	II	2.1	19, T50	306	304	314	Forbidden	150 kg	E	40	
	Propylene chlorohydrin	6.1	UN2611	II	6.1, 3	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	A	12, 40, 48	
	Propylene oxide	3	UN1280	I	3	A3, N34, T11, TP2, TP7	None	201	243	1 L	30 L	E	40	

UN Number	Proper Shipping Name	Class	Pack Group	Quantity	Label	Special Provision	PLC	PLC	PLC	PLC	PLC	PLC
3 UN2850	Propylene tetramer	III	3	203	242	60 L	220 L	A	40			
8 UN2258	1,2-Propylenediamine	II	8, 3	202	243	1 L	30 L	A	40			
3 UN1921	Propyleneimine, stabilized	I	3, 6.1	201	243	1 L	30 L	B	40			
8 UN1816	Propyltrichlorosilane	II	8, 3	206	243	Forbidden	30 L	C	40			
3 UN3350	<i>Prussic acid</i> , see Hydrogen cyanide. Pyrethroid pesticide, liquid, flammable, toxic, flash point less than 23 degrees C.	I	3, 6.1	201	243	Forbidden	30 L	B	40			
6.1 UN3352	Pyrethroid pesticide, liquid toxic	II	3, 6.1	202	243	1 L	60 L	B	40			
6.1 UN3351	Pyrethroid pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C.	I	6.1, 3	203	241	1 L	30 L	B	40			
6.1 UN3349	Pyrethroid pesticide, solid, toxic	III	6.1, 3	203	241	60 L	220 L	B	40			
3 UN1282	Pyridine	II	3	202	242	5 L	60 L	B	40			
4.2 UN3194	Pyridine perchlorate	Forbidd										
4.2 UN2845	Pyrophoric liquid, inorganic, n.o.s.	I	4.2	181	244	Forbidden	Forbidden	D	78			
4.2 UN1383	Pyrophoric liquids, organic, n.o.s. or Pyrophoric metals, n.o.s., or Pyrophoric alloys, n.o.s.	I	4.2	187	242	Forbidden	Forbidden	D	78			
4.2 UN3200	Pyrophoric solid, inorganic, n.o.s.	I	4.2	187	242	Forbidden	Forbidden	D				
4.2 UN2846	Pyrophoric solids, organic, n.o.s.	I	4.2	187	242	Forbidden	Forbidden	D				
8 UN1817	Pyrosulfuryl chloride	II	8	202	242	1 L	30 L	C	40			
	<i>Pyroxylin solution or solvent</i> , see Nitrocellulose.											
3 UN1922	Pyrolydine	II	3, 8	202	243	1 L	5 L	B	40, 52			
	<i>Quebrachitol pentanitrate</i>	Forbidd										
	<i>Quicklime</i> , see Calcium oxide.											
6.1 UN2656	Quinoline	III	6.1	203	241	60 L	220 L	A	12			
	<i>R 12</i> , see Dichlorodifluoromethane.											
	<i>R 12B1</i> , see Chlorodifluoromethane.											
	<i>R 13</i> , see Chlorotrifluoromethane.											
	<i>R 13B1</i> , see Bromotrifluoromethane.											
	<i>R 14</i> , see Tetrafluoromethane.											
	<i>R 21</i> , see Chlorotrifluoromethane.											
	<i>R 22</i> , see Chlorodifluoromethane.											
	<i>R 114</i> , see Dichlorotetrafluoroethane.											
	<i>R 115</i> , see Chloropentafluoroethane.											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	R 116, see Hexafluoroethane. R 124, see Chlorotrifluoroethane. R 133a, see Chlorotrifluoroethane. R 152a, see Difluoroethane. R 500, see Dichlorodifluoromethane and difluoroethane, etc. R 502, see Chlorodifluoromethane and chloropentafluoroethane mixture, etc. R 503, see Chlorotrifluoromethane and trifluoromethane, etc. Radioactive material, excepted pack-age-artic les manufactured from natural uranium or depleted ura-nium or natural thorium. Radioactive material, excepted pack-age-empty packaging. Radioactive material, excepted pack-age-instru ments or artic les. Radioactive material, excepted pack-age-limited quantity of material. Radioactive material, low specific ac-tivity (LSA-I) non fissile or fissile-excepted. Radioactive material, low specific ac-tivity (LSA-II) non fissile or fissile-excepted. Radioactive material, low specific ac-tivity (LSA-II) non fissile or fissile-excepted. Radioactive material, surface con-laminated objects (SCO-I or SCO-II) non fissile or fissile-excepted. Radioactive material, transported under special arrangement, non fissile or fissile excepted. Radioactive material, transported under special arrangement, fissile.	7	UN2909		None		422, 426.	422, 426.	422, 426.		A		
		7	UN2908		Empty		422, 428.	422, 428.	422, 428.		A		
		7	UN2911		None		422, 424.	422, 424.	422, 424.		A		
		7	UN2910		None		421, 422.	421, 422.	421, 422.		A		
		7	UN2912		7 .....	A56, T5, TP4, W7	421, 422.	421, 422.	421, 422.		A	95, 129	
		7	UN3321		7 .....	A56, T5, TP4, W7	421, 428.	421, 428.	421, 428.		A	95, 129	
		7	UN3322		7 .....	A56, T5, TP4, W7	421, 428.	421, 428.	421, 428.		A	95, 129	
		7	UN2913		7 .....	A56	421, 428.	421, 428.	421, 428.		A	95	
		7	UN2919		7 .....	A56, 139	428.	428.	428.		A	95, 105	
		7	UN3331		7 .....	A56, 139	.....	.....	.....		A	95, 105	

Radioactive material, Type A package, fissile non-special form.	7	UN3327	7	.....	A56, W7, W8	453	417	417	417	A	95, 105, 131
Radioactive material, Type A package non-special form, non fissile or fissile-excepted.	7	UN2915	7	.....	A56, W7, W8	None	415, 418, 419	415, 418, 419	415, 418, 419	A	95, 130
Radioactive material, Type A package, special form non fissile or fissile-excepted.	7	UN3332	7	.....	A56, W7, W8	.....	415, 476	415, 476	415, 476	A	95
Radioactive material, Type A package, special form, fissile.	7	UN3333	7	.....	A56, W7, W8	453	417, 476	417, 476	417, 476	A	95, 105
Radioactive material, Type B(M) package, fissile.	7	UN3329	7	.....	A56	453	417	417	417	A	95, 105
Radioactive material, Type B(M) package non fissile or fissile-excepted.	7	UN2917	7	.....	A56	.....	416	416	416	A	95, 105
Radioactive material, Type B(U) package, fissile.	7	UN3328	7	.....	A56	453	417	417	417	A	95, 105
Radioactive material, Type B(U) package non fissile or fissile-excepted.	7	UN2916	7	.....	A56	.....	416	416	416	A	95, 105
Radioactive material, uranium hexafluoride non fissile or fissile-excepted.	7	UN2978	7, 8	.....		423	420, 427	420, 427	420, 427	A	95, 132
Radioactive material, uranium hexafluoride, fissile.	7	UN2977	7, 8	.....		453	417, 420	417, 420	417, 420	A	95, 132
Rags, oily	4.2	UN1856	III	4.2		151	213	240	240	Forbidden	
Railway torpedo, see Signals, railway track, explosive.											
RC 318, see Octafluorocyclobutane.											
RDX and cyclotetramethylenetetranitramine, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized.											
RDX and HMX mixtures, wetted with not less than 15 percent water by mass or RDX and HMX mixtures, desensitized with not less than 10 percent phlegmatizer by mass.	1.1D	UN0391	II	1.1D		None	62	None	None	Forbidden	10
RDX and Octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc.											
RDX, see Cyclotrimethylene trinitramine, etc.											
Receptacles, small, containing gas or gas cartridges (flammable) without release device, not refillable and not exceeding 1 L capacity.	2.1	UN2037		2.1		306	304	None	None	1 kg	15 kg
											40

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Receptacles, small, containing gas or gas cartridges (non-flammable) without release device, not reliable and not exceeding 1 L capacity.	2.2	UN2037		2.2		306	304	None	1 kg	15 kg	B	40
	Receptacles, small, containing gas or gas cartridges (oxidizing) without release device, not reliable and not exceeding 1 L capacity.	2.2	UN2037		2.2, 5.1	A14	306	304	None	1 kg	15 kg	B	40
	Red phosphorus, see Phosphorus, amorphous.												
	Refrigerant gas R 404A	2.2	UN3337		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Refrigerant gas R 407A	2.2	UN3338		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Refrigerant gas R 407B	2.2	UN3339		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Refrigerant gas R 407C	2.2	UN3340		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
G	Refrigerant gases, n.o.s.	2.2	UN1078		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
D	Refrigerant gases, n.o.s. or Dispersant gases, n.o.s.	2.1	NA1954		2.1	T50	306	304	314, 315	Forbidden	150 kg	D	40
	Refrigerating machines, containing flammable, non-toxic, liquefied gas.	2.1	UN3358		2.1		306, 307	306	306	Forbidden	Forbidden	D	40
	Refrigerating machines, containing non-flammable, non-toxic gases, or ammonia solutions (UN2672).	2.2	UN2857		2.2	A53	306, 307	306	306, 307	450 kg	450 kg	A	
	Regulated medical waste, n.o.s. or Clinical waste, unspecified, n.o.s. or (BIO) Medical waste, n.o.s., or Biomedical waste, n.o.s. or Medical waste, n.o.s.	6.2	UN3291	II	6.2	41, A13	134	197	197	No limit	No limit	B	40
	Release devices, explosive	1.4S	UN0173	II	1.4S		None	62	62	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	

Proper shipping name	UN number	Class	Division	Subdivision	Special provisions	Quantity	Label	Placard	Other	Additional
Resorcinol	6.1 UN2876	III	3	6.1	B1, B52, IB3, T2, TP1 IB8, IP3, T1, TP33	150	173	242	200 kg	A
Rifle grenade, see Grenades, hand or rifle, etc.										
Rifle powder, see Powder, smokeless (UN 0160).										
Rivets, explosive	1.4S UN0174	II	1.4S			None	62	62	100 kg	05
Road asphalt or tar liquid, see Tars, liquid, etc.										
Rocket motors	1.3C UN0186	II	1.3C	109		None	62	62	220 kg	03
Rocket motors	1.1C UN0280	II	1.1C	109		None	62	62	Forbidden	03
Rocket motors	1.2C UN0281	II	1.2C	109		None	62	62	Forbidden	03
Rocket motors, liquid fueled	1.2J UN0395	II	1.2J	109		None	62	None	Forbidden	04
Rocket motors, liquid fueled	1.3J UN0396	II	1.3J	109		None	62	None	Forbidden	04
Rocket motors with hypergolic liquids with or without an expelling charge.	1.3L UN0250	II	1.3L	109		None	62	None	Forbidden	08
Rocket motors with hypergolic liquids with or without an expelling charge.	1.2L UN0322	II	1.2L	109		None	62	None	Forbidden	08
Rockets, line-throwing	1.2G UN0238	II	1.2G			None	62	None	Forbidden	07
Rockets, line-throwing	1.3G UN0240	II	1.3G			None	62	None	75 kg	07
Rockets, line-throwing	1.4G UN0453	II	1.4G			None	62	None	75 kg	06
Rockets, liquid fueled with bursting charge.	1.1J UN0397	II	1.1J			None	62	None	Forbidden	04
Rockets, liquid fueled with bursting charge.	1.2J UN0398	II	1.2J			None	62	None	Forbidden	04
Rockets, with bursting charge	1.1F UN0180	II	1.1F			None	62	None	Forbidden	08
Rockets, with bursting charge	1.1E UN0181	II	1.1E			None	62	62	Forbidden	03
Rockets, with bursting charge	1.2E UN0182	II	1.2E			None	62	62	Forbidden	03
Rockets, with bursting charge	1.2F UN0295	II	1.2F			None	62	62	Forbidden	08
Rockets, with expelling charge	1.2C UN0436	II	1.2C			None	62	62	Forbidden	03
Rockets, with expelling charge	1.3C UN0437	II	1.3C			None	62	62	Forbidden	03
Rockets, with expelling charge	1.4C UN0438	II	1.4C			None	62	62	75 kg	02
Rockets, with inert head	1.3C UN0183	II	1.3C			None	62	62	Forbidden	03
Rockets, with inert head	1.2C UN0502	II	1.2C			None	62	62	Forbidden	03
Rosin oil	3 UN1286	III	3			150	202	242	60 L	B
Rubber solution	3 UN1287	III	3			150	202	242	60 L	A
Rubber scrap or shoddy, powdered or granulated, not exceeding 840 microns and rubber contend exceeding 45%.	4.1 UN1345	III	4.1			150	202	242	60 L	B
Rubidium	4.3 UN1423	I	4.3			151	212	240	220 L	A
Rubidium hydroxide	8 UN2678	II	8			None	211	242	15 kg	D
Rubidium hydroxide solution	8 UN2677	III	8			154	202	242	50 kg	A
Safety fuse, see Fuse, safety.										



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Samples, explosive, other than initiating explosives. 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.	4.2	UN0190 UN1386	II III	..... None	113 IB8, IP3, IP7, N7	None ... None ...	62 ..... 213 ....	None 241 ....	Forbidden Forbidden	Forbidden Forbidden	14 A	
I	Seed cake with more than 1.5 percent oil and not more than 11 percent moisture.	4.2	UN1386	III	None	IB8, IP3, IP7, N7	None ...	213 ....	241 ....	Forbidden	Forbidden	E	13
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, IP7, N7	None ...	213 ....	241 ....	Forbidden	Forbidden	A	13
G	Selenates or Selenites	6.1	UN2630	I	6.1 .....	IB7, IP1, N34, T6, TP33	None ...	211 ....	242 ....	5 kg Forbidden	50 kg 25 kg	E A	
G	Selenic acid	8	UN1905	I	8 .....	T14, TP2, TP27	None ...	211 ....	243 ....	Forbidden	30 L 60 L	B B	
G	Selenium compound, liquid, n.o.s.	6.1	UN3440	II	6.1 .....	IB2, T11, TP2, TP27	None ...	201 ....	243 ....	1 L 5 L	60 L 220 L	B A	
G	Selenium compound, solid, n.o.s.	6.1	UN3283	III	6.1 .....	IB3, T7, TP1, TP28	153 .....	203 ....	241 ....	60 L	220 L	A	
	Selenium disulfide	6.1	UN2657	I	6.1 .....	IB7, IP1, T6, TP33	None ...	211 ....	242 ....	5 kg	50 kg	B	
	Selenium hexafluoride	2.3	UN2194	III	6.1 .....	IB8, IP2, IP4, T3, TP33	153 .....	212 ....	240 ....	25 kg	100 kg	B	
	Selenium nitride	Forbidden		II	6.1 .....	IB8, IP3, T1, TP33	153 .....	212 ....	242 ....	100 kg	25 kg	A	
	Selenium oxychloride	8	UN2879	I	2.3, 8	1	None ...	302 ....	None	Forbidden	Forbidden	D	40
	Self-defense spray, aerosol, see Aerosols, etc.				8, 6.1	A3, A6, A7, N34, T10, TP2, TP13	None ...	201 ....	243 ....	0.5 L	2.5 L	E	40
+ A	Self-defense spray, non-pressurized	9	NA3334	III	9 .....	A37	155 .....	203 ....	None	No limit	No limit	A	
G	Self-heating liquid, corrosive, inorganic, n.o.s.	4.2	UN3188	II	4.2, 8	IB2	None ...	202 ....	243 ....	1 L	5 L	C	
G	Self-heating liquid, corrosive, organic, 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	

G	Self-heating liquid, inorganic, n.o.s.	4.2	UN3186	III	4.2, 8	IB2	None	203	241	5 L	60 L	C	
G	Self-heating liquid, organic, n.o.s.	4.2	UN3183	III	4.2	IB2	None	202	242	1 L	5 L	C	
G	Self-heating liquid, toxic, inorganic, n.o.s.	4.2	UN3187	III	4.2	IB2	None	203	241	5 L	60 L	C	
G	Self-heating liquid, toxic, inorganic, n.o.s.	4.2	UN3187	II	4.2, 6.1	IB2	None	202	243	1 L	5 L	C	
G	Self-heating liquid, toxic, organic, n.o.s.	4.2	UN3184	III	4.2, 6.1	IB2	None	203	241	5 L	60 L	C	
G	Self-heating liquid, toxic, organic, n.o.s.	4.2	UN3184	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, 8	IB5, IP2, T3, TP33	None	203	241	5 L	60 L	C	
G	Self-heating solid, corrosive, organic, n.o.s.	4.2	UN3126	III	4.2, 8	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
G	Self-heating solid, inorganic, n.o.s.	4.2	UN3190	III	4.2, 8	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
G	Self-heating solid, organic, n.o.s.	4.2	UN3088	III	4.2	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
G	Self-heating solid, organic, n.o.s.	4.2	UN3088	II	4.2	IB8, IP3, T1, TP33	None	212	241	15 kg	50 kg	C	
G	Self-heating solid, oxidizing, n.o.s.	4.2	UN3127	III	4.2, 5.1	IB8, IP3, T1, TP33	None	214	241	25 kg	100 kg	C	
G	Self-heating solid, toxic, inorganic, n.o.s.	4.2	UN3191	II	4.2, 6.1	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
G	Self-heating solid, toxic, organic, n.o.s.	4.2	UN3128	III	4.2, 6.1	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
G	Self-heating solid, toxic, organic, n.o.s.	4.2	UN3128	II	4.2, 6.1	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
G	Self-heating solid, toxic, organic, n.o.s.	4.2	UN3128	III	4.2, 6.1	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
G	Self-propelled vehicle, see Engines or Batteries etc.												
G	Self-reactive liquid type B	4.1	UN3221	II	4.1	53	None	224	None	Forbiddén	Forbiddén	D	52, 53
G	Self-reactive liquid type B, temperature controlled.	4.1	UN3231	II	4.1	53	None	224	None	Forbiddén	Forbiddén	D	2, 52, 53
G	Self-reactive liquid type C	4.1	UN3223	II	4.1		None	224	None	5 L	10 L	D	52, 53
G	Self-reactive liquid type C, temperature controlled.	4.1	UN3233	II	4.1		None	224	None	Forbiddén	Forbiddén	D	2, 52, 53
G	Self-reactive liquid type D	4.1	UN3225	II	4.1		None	224	None	5 L	10 L	D	52, 53
G	Self-reactive liquid type D, temperature controlled.	4.1	UN3235	II	4.1		None	224	None	Forbiddén	Forbiddén	D	2, 52, 53
G	Self-reactive liquid type E	4.1	UN3227	II	4.1		None	224	None	10 L	25 L	D	52, 53
G	Self-reactive liquid type E, temperature controlled.	4.1	UN3237	II	4.1		None	224	None	Forbiddén	Forbiddén	D	2, 52, 53
G	Self-reactive liquid type F	4.1	UN3229	II	4.1		None	224	None	10 L	25 L	D	52, 53
G	Self-reactive liquid type F, temperature controlled.	4.1	UN3239	II	4.1		None	224	None	Forbiddén	Forbiddén	D	2, 52, 53

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)	
G	Self-reactive solid type B	4.1	UN3222	II	4.1	53	None	224	None	Forbidden	Forbidden	D	52, 53	
G	Self-reactive solid type B, temperature controlled.	4.1	UN3232	II	4.1	53	None	224	None	Forbidden	Forbidden	D	2, 52, 53	
G	Self-reactive solid type C	4.1	UN3224	II	4.1		None	224	None	5 kg	10 kg	D	52, 53	
G	Self-reactive solid type C, temperature controlled.	4.1	UN3234	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53	
G	Self-reactive solid type D	4.1	UN3226	II	4.1		None	224	None	5 kg	10 kg	D	52, 53	
G	Self-reactive solid type D, temperature controlled.	4.1	UN3236	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53	
G	Self-reactive solid type E	4.1	UN3228	II	4.1		None	224	None	10 kg	25 kg	D	52, 53	
G	Self-reactive solid type E, temperature controlled.	4.1	UN3238	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53	
G	Self-reactive solid type F	4.1	UN3230	II	4.1		None	224	None	10 kg	25 kg	D	52, 53	
G	Self-reactive solid type F, temperature controlled.	4.1	UN3240	II	4.1		None	224	None	Forbidden	Forbidden	D	2, 52, 53	
	Shale oil	3	UN1288	I 3 II 3 III 3	3	T11, TP1, TP8, TP27 IB2, T4, TP1, TP8 B1, IB3, T2, TP1	None	201	243	1 L	30 L	B		
							150	202	242	5 L	60 L	B		
							150	203	242	60 L	220 L	A		
	Shaped charges, see Charges, shaped, etc.						None	62	None	Forbidden	75 kg	06		
	Signal devices, hand	1.4G	UN0191	II	1.4G		None	62	None	25 kg	100 kg	05		
	Signal devices, hand	1.4S	UN0373	II	1.4S		None	62	None	Forbidden	Forbidden	07		
	Signals, distress, ship	1.1G	UN0194	II	1.1G		None	62	None	Forbidden	75 kg	07		
	Signals, distress, ship	1.3G	UN0195	II	1.3G		None	62	None	Forbidden	75 kg	06		
	Signals, distress, ship	1.4G	UN0505	II	1.4G		None	62	None	25 kg	100 kg	05		
	Signals, distress, ship	1.4S	UN0506	II	1.4S		None	62	None	Forbidden	Forbidden	07		
	Signals, highway, see Signal devices, hand.						None	62	None	25 kg	100 kg	05		
	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, railway track, explosive	1.4G	UN0493	II	1.4G		None	62	None	Forbidden	75 kg	06		
	Signals, ship distress, water-activated, see Contrivances, water-activated, etc.						None	62	None	Forbidden	Forbidden	07		
	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	75 kg	75 kg	06		
	Signals, smoke	1.2G	UN0313	II	1.2G		None	62	None	Forbidden	Forbidden	07		

Signal	UN number	Class	Subclass	Proper shipping name	Quantity	Label	Special provisions	Other	Notes
Signals, smoke	UN0487	1.3G	..	Smokeless powder for small arms	15 kg	None	211	242	Forbiddn
Signals, smoke	UN0507	1.4S	..	Soda lime with more than 4 percent sodium hydroxide	15 kg	None	211	242	Forbiddn
Silane	UN2203	2.1	.....	Silane	15 kg	None	211	242	Forbiddn
Silicofluoric acid, see Fluorosilicic acid.									
Silicon chloride, see Silicon tetrachloride.									
Silicon powder, amorphous	UN1346	4.1	.....	Silicon powder, amorphous	100 kg	None	213	240	100 kg A
Silicon tetrachloride	UN1818	8	.....	Silicon tetrachloride	30 L	None	202	242	30 L C
Silicon tetrafluoride	UN1859	2.3	8	Silicon tetrafluoride	100 kg	None	302	None	Forbiddn D
Silver acetylide (dry)	UN1683	6.1	.....	Silver acetylide (dry)	25 kg	153	212	242	25 kg A
Silver arsenite	UN1684	6.1	.....	Silver arsenite	25 kg	153	212	242	25 kg A
Silver azide (dry)	UN1493	5.1	.....	Silver azide (dry)	5 kg	152	212	242	5 kg A
Silver cyanide	UN1347	4.1	.....	Silver cyanide	25 kg	None	211	None	Forbiddn D
Silver fulminate (dry)	UN1906	8	.....	Silver fulminate (dry)	30 L	None	202	242	30 L C
Silver nitrate	UN1493	5.1	.....	Silver nitrate	25 kg	152	212	242	25 kg A
Silver oxalate (dry)	UN1347	4.1	.....	Silver oxalate (dry)	25 kg	None	211	None	Forbiddn D
Silver picrate (dry)	UN1347	4.1	.....	Silver picrate (dry)	25 kg	None	211	None	Forbiddn D
Silver picrate, wetted with not less than 30 percent water, by mass.	UN1907	8	.....	Silver picrate, wetted with not less than 30 percent water, by mass.	25 kg	154	213	240	25 kg A
Smokeless powder for small arms (100 pounds or less)	UN1907	8	.....	Smokeless powder for small arms (100 pounds or less)	25 kg	154	213	240	25 kg A
Soda lime with more than 4 percent sodium hydroxide	UN1428	4.3	.....	Soda lime with more than 4 percent sodium hydroxide	15 kg	None	211	244	15 kg D
Sodium	UN2812	8	.....	Sodium	100 kg	154	213	240	100 kg A
Sodium aluminate, solid	UN1819	8	.....	Sodium aluminate, solid	30 L	154	202	242	30 L A
Sodium aluminate, solution	UN2835	4.3	.....	Sodium aluminate, solution	60 L	154	203	241	60 L A
Sodium aluminum hydride	UN2863	6.1	.....	Sodium aluminum hydride	50 kg	151	212	242	50 kg E
Sodium ammonium vanadate	UN2473	6.1	.....	Sodium ammonium vanadate	25 kg	153	212	242	25 kg A
Sodium arseniate	UN1686	6.1	.....	Sodium arseniate	100 kg	153	213	240	100 kg A
Sodium arsenite, aqueous solutions	UN1686	6.1	.....	Sodium arsenite, aqueous solutions	25 kg	153	212	242	25 kg A
Sodium arsenite, solid	UN2027	6.1	.....	Sodium arsenite, solid	60 L	153	203	241	60 L A
Sodium azide	UN1687	6.1	.....	Sodium azide	25 kg	153	212	242	25 kg A
Sodium bifluoride, see Sodium hydrogendifluoride.									
Sodium bisulfite, solution, see Bisulfites, aqueous solutions, n.o.s.									
Sodium borohydride	UN1426	4.3	.....	Sodium borohydride	15 kg	None	211	242	15 kg E

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	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	52
	Sodium bromate	5.1	UN1494	III	8	B2, IB3, N34, T4, TP2	154	203	241	5 L	60 L	A	52
	Sodium cacodylate	6.1	UN1688	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Sodium carbonate peroxyhydrate	5.1	UN3378	II	5.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52
							152	212	240	5 kg	25 kg	A	13, 48, 75
						IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 48, 75
	Sodium chlorate	5.1	UN1495	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
	Sodium chlorate, aqueous solution	5.1	UN2428	II	5.1	A2, IB2, T4, TP1	152	202	241	1 L	5 L	B	56, 58, 133
						A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 133
	Sodium chlorate mixed with dinitrotoluene, see Explosive blasting, type C.												
	Sodium chlorite	5.1	UN1496	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	None	212	242	5 kg	25 kg	A	56, 58
	Sodium chloroacetate	6.1	UN2659	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Sodium cuprocyanide, solid	6.1	UN2316	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	52
	Sodium cuprocyanide, solution	6.1	UN2317	I	6.1	T14, TP2, TP13	None	201	243	1 L	30 L	B	40, 52
	Sodium cyanide, solid	6.1	UN1689	I	6.1	B69, B77, IB7, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	B	52
	Sodium cyanide solution	6.1	UN3414	I	6.1	B69, B77, N74, N75, T14, TP2, TP13	None	201	243	1 L	30 L	B	52
						B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	52
						B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	52

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Forbidden	Forbidden	Forbidden	Quantity	Class	Division	Subdivision	Special provisions
1.3C UN0234	Sodium dichloroisocyanurate or Sodium dichloro-s-triazinetrione, see Dichloroisocyanuric acid etc.	II	1.3C	..	None	62	None	None	Forbidden	10	5E			
4.1 UN3369	Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass.	I	4.1	.....	162, A8, A19, N41, N84	None	211	None	0.5 kg	E	36			
4.1 UN1348	Sodium dinitro-o-cresolate, wetted with not less than 10% water, by mass.	I	4.1,	6.1,	23, A8, A19, A20, N41	None	211	None	1 kg	E	28, 36			
4.2 UN1384	Sodium dithionite or Sodium hydro-sulfite.	II	4.2	.....	A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	E	13			
6.1 UN1690	Sodium fluoride, solid	III	6.1	.....	IB8, IP3, T1, TP33	153	213	240	200 kg	A	52			
6.1 UN3415	Sodium fluoride solution	III	6.1	.....	IB3, T4, TP1	153	203	241	600 kg	A	52			
6.1 UN2629	Sodium fluoroacetate	I	6.1	.....	IB7, IP1, T6, TP33	None	211	242	5 kg	E				
6.1 UN2674	Sodium fluosilicate	III	6.1	.....	IB8, IP3, T1, TP33	153	213	240	100 kg	A	52			
	Sodium hydrate, see Sodium hydroxide, solid.													
4.3 UN1427	Sodium hydride	I	4.3	.....	A19, N40	None	211	242	Forbidden	E	52			
8 UN2439	Sodium hydrogendiffuoride	II	8	.....	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	A	12, 25, 40, 52			
4.2 UN2318	Sodium hydrosulfide, with less than 25 percent water of crystallization.	II	4.2	.....	A7, A19, A20, IB6, IP2, T3, TP33	None	212	241	15 kg	A				
8 UN2949	Sodium hydrosulfide with not less than 25 percent water of crystallization.	II	8	.....	A7, IB8, IP2, IP4, T7, TP2	154	212	240	15 kg	A	52			
8 UN1823	Sodium hydrosulfite, see Sodium dithionite.	II	8	.....	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	A	52			
8 UN1824	Sodium hydroxide, solid	II	8	.....	B2, IB2, N34, T7, TP2	154	202	242	1 L	A	52			
	Sodium hydroxide solution	III	8	.....	IB3, N34, T4, TP1	154	203	241	5 L	A	52			
	Sodium hypochlorite, solution, see Hypochlorite solutions etc.													
	Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.													
	Sodium methylate													
4.2 UN1431	Sodium methylete solutions in alcohol.	II	4.2, 8		A7, A19, IB5, IP2, T3, TP33	None	212	242	15 kg	B				
3 UN1289	Sodium methylete solutions in alcohol.	II	3, 8	.....	IB2, T7, TP1, TP8	150	202	243	1 L	B				
8 UN1825	Sodium monoxide	III	3, 8	.....	B1, IB3, T4, TP1	150	203	242	5 L	A				
5.1 UN1498	Sodium nitrate	III	5.1	.....	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	A	52			
	Sodium nitrate and potassium nitrate mixtures.	III	5.1	.....	A1, A29, IB8, IP3, T1, TP33, W1	152	213	240	25 kg	A				
5.1 UN1500	Sodium nitrite	III	5.1,	6.1,	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	A	56, 58			
6.1 UN2567	Sodium pentachlorophenate	II	6.1	.....	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A				

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Sodium perborate monohydrate .....	5.1	UN3377	III	5.1 .....	IB8, IP3, T1, TP33	152 .....	213 .....	240 .....	25 kg	100 kg	A	13, 48, 75
	Sodium perchlorate .....	5.1	UN1502	II	5.1 .....	IB6, IP2, T3, TP33	152 .....	212 .....	242 .....	5 kg	25 kg	A	56, 58
	Sodium permanganate .....	5.1	UN1503	II	5.1 .....	IB6, IP2, T3, TP33	152 .....	212 .....	242 .....	5 kg	25 kg	D	56, 58, 138
	Sodium peroxide .....	5.1	UN1504	I	5.1 .....	A20, IB5, IP1, N34	None ..	211 .....	None	Forbidden	15 kg	B	13, 52, 66, 75
	Sodium peroxoborate, anhydrous .....	5.1	UN3247	II	5.1 .....	IB8, IP2, IP4, T3, TP33	152 .....	212 .....	240 .....	5 kg	25 kg	A	13, 25
	Sodium persulfate .....	5.1	UN1505	II	5.1 .....	A1, IB8, IP3, T1, TP33	152 .....	213 .....	240 .....	25 kg	100 kg	A	58, 145
	Sodium phosphide .....	4.3	UN1432	I	4.3, 6.1	A19, N40	None ..	211 .....	None	Forbidden	15 kg	E	40, 52, 85
	Sodium picramate, dry or wetted with less than 20 percent water, by mass.	1.3C	UN0235	II	1.3C ..		None ..	62 .....	None	Forbidden	Forbidden	10	5E
	Sodium picramate, wetted with not less than 20 percent water, by mass.	4.1	UN1349	I	4.1 .....	23, A8, A19, N41	None ..	211 .....	None	Forbidden	15 kg	E	28, 36
	Forbidden	Forbidden											
	Sodium peroxydiperoxide .....	Forbidden											
	Sodium peroxydisulfate .....	Forbidden											
	Sodium persulfate, see Potassium sodium alloys.												
	Sodium selenate, see Selenates or Selenites.												
	Sodium sulfide, anhydrous or Sodium sulfide with less than 30 percent water of crystallization.	4.2	UN1385	II	4.2 .....	A19, A20, IB6, IP2, N34, T3, TP33	None ..	212 .....	241 .....	15 kg	50 kg	A	52
	Sodium sulfide, hydrated with not less than 30 percent water.	8	UN1849	II	8 .....	IB8, IP2, IP4, T3, TP33	154 .....	212 .....	240 .....	15 kg	50 kg	A	52
	Sodium superoxide .....	5.1	UN2547	I	5.1 .....	A20, IB6, IP1, N34	None ..	211 .....	None	Forbidden	15 kg	E	13, 52, 66, 75
G	Sodium tetranitride .....	Forbidden											
G	Solids containing corrosive liquid, n.o.s..	8	UN3244	II	8 .....	49, IB5, T3, TP33	154 .....	212 .....	240 .....	15 kg	50 kg	B	40
G	Solids containing flammable liquid, n.o.s..	4.1	UN3175	II	4.1 .....	47, IB6, IP2, T3, TP33	151 .....	212 .....	240 .....	15 kg	50 kg	B	
G	Solids containing toxic liquid, n.o.s. ..	6.1	UN3243	II	6.1 .....	48, IB2, T2, TP33	153 .....	212 .....	240 .....	25 kg	100 kg	B	40
	Sounding devices, explosive	1.2F	UN0204	II	1.2F ..		None ..	62 .....	62 .....	Forbidden	Forbidden	08	
	Sounding devices, explosive	1.1F	UN0296	II	1.1F ..		None ..	62 .....	62 .....	Forbidden	Forbidden	08	
	Sounding devices, explosive	1.1D	UN0374	II	1.1D ..		None ..	62 .....	62 .....	Forbidden	Forbidden	07	

	1.2D	UN0375	II	1.2D ..		None ...	62 .....	62 .....	Forbiddn	Forbiddn	07
Sounding devices, explosive .....											
Spirits of salt, see Hydrochloric acid.											
Squibs, see Igniters etc.											
Stannic chloride, anhydrous .....	8	UN1827	II	8 .....	B2, IB2, T7, TP2	154 .....	242 .....	242 .....	1 L	30 L	C
Stannic chloride pentahydrate .....	8	UN2440	III	8 .....	IB8, IP3, T1, TP33	154 .....	240 .....	240 .....	25 kg	100 kg	A
Stannic phosphide .....	4.3	UN1433	I	4.3, 6.1	A19, N40	None ..	211 ..	242 .....	Forbiddn	15 kg	E
Steel swarf, see Ferrous metal borings, etc.											40, 52, 85
Stibine .....	2.3	UN2676		2.3, 2.1	1	None ...	304 .....	None	Forbiddn	Forbiddn	D
Storage batteries, wet, see Batteries, wet etc.											
Strontium arsenite .....	6.1	UN1691	II	6.1 .....	IB8, IP2, IP4, T3, TP33	153 .....	212 .....	242 .....	25 kg	100 kg	A
Strontium chlorate .....	5.1	UN1506	II	5.1 .....	A1, A9, IB8, IP2, IP4, N34, T3, TP33	152 .....	212 .....	242 .....	5 kg	25 kg	A
Strontium nitrate .....	5.1	UN1507	III	5.1 .....	A1, A29, IB8, IP3, T1, TP33	152 .....	213 .....	240 .....	25 kg	100 kg	A
Strontium perchlorate .....	5.1	UN1508	II	5.1 .....	IB6, IP2, T3, TP33	152 .....	212 .....	242 .....	5 kg	25 kg	A
Strontium peroxide .....	5.1	UN1509	II	5.1 .....	IB6, IP2, T3, TP33	152 .....	212 .....	242 .....	5 kg	25 kg	A
Strontium phosphide .....	4.3	UN2013	I	4.3, 6.1	A19, N40	None ...	211 .....	None	Forbiddn	15 kg	E
Strychnine or Strychnine salts .....	6.1	UN1692	I	6.1 .....	IB7, IP1, T6, TP33	None ...	211 .....	242 .....	5 kg	50 kg	A
Styphnic acid, see Trinitroresorcinol, etc.											
Styrene monomer, stabilized .....	3	UN2055	III	3 .....	B1, IB3, T2, TP1	150 .....	203 .....	242 .....	60 L	220 L	A
Substances, explosive, n.o.s .....	1.1L	UN0357	II	1.1L ..		None ...	62 .....	None	Forbiddn	Forbiddn	8E, 14E, 15E, 17E,
	1.2L	UN0358	II	1.2L ..		None ...	62 .....	None	Forbiddn	Forbiddn	8E, 14E, 15E, 17E,
	1.3L	UN0359	II	1.3L ..		None ...	62 .....	None	Forbiddn	Forbiddn	8E, 14E, 15E, 17E,
	1.1A	UN0473	II	1.1A ..	111	None ...	62 .....	None	Forbiddn	Forbiddn	12
	1.1C	UN0474	II	1.1C ..		None ...	62 .....	None	Forbiddn	Forbiddn	10
	1.1D	UN0475	II	1.1D ..		None ...	62 .....	None	Forbiddn	Forbiddn	10
	1.1G	UN0476	II	1.1G ..		None ...	62 .....	None	Forbiddn	Forbiddn	08
	1.3C	UN0477	II	1.3C ..		None ...	62 .....	None	Forbiddn	Forbiddn	10
	1.3G	UN0478	II	1.3G ..		None ...	62 .....	None	Forbiddn	Forbiddn	08
	1.4C	UN0479	II	1.4C ..		None ...	62 .....	None	Forbiddn	Forbiddn	75 kg 09
	1.4D	UN0480	II	1.4D ..		None ...	62 .....	None	Forbiddn	Forbiddn	75 kg 09
	1.4S	UN0481	II	1.4S ..		None ...	62 .....	None	Forbiddn	Forbiddn	75 kg 05
	1.4G	UN0485	II	1.4G ..		None ...	62 .....	None	Forbiddn	Forbiddn	75 kg 08



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
G	Substances, explosive, very insensi-tive, n.o.s. or Substances E, V, n.o.s. Substituted nitrophenol pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	1.5D 3	UN0482 UN2780	II I	1.5D .. 3, 6.1		None .. None ..	62 .....	None	Forbidden	Forbidden	10		
	Substituted nitrophenol pesticides, liquid, toxic.	6.1	UN3014	I	6.1 .....	IB2, T11, TP2, TP13, TP27	150 .....	202 .....	243 .....	1 L	60 L	B	40	
	Substituted nitrophenol pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1	UN3013	III I	6.1, 3 6.1, 3	IB2, T11, TP2, TP13, TP27 IB3, T7, TP2, TP28 T14, TP2, TP13, TP27	153 .....	203 .....	241 .....	60 L	220 L	A	40	
	Substituted nitrophenol pesticides, solid, toxic.	6.1	UN2779	I	6.1 .....	IB2, T11, TP2, TP13, TP27	153 .....	202 .....	243 .....	5 L	60 L	B	40	
	Sucrose octanitrate (dry)	Forbidden		III	6.1, 3	B1, IB3, T7, TP2, TP28	153 .....	203 .....	242 .....	60 L	220 L	A	40	
	Sulfamic acid	8	UN2967	I	6.1 .....	IB7, IP1, T6, TP33	None ..	211 .....	242 .....	5 kg	50 kg	A	40	
	Sulfur	9	NA1350	III	6.1 .....	IB8, IP2, IP3, T3, TP33	153 .....	212 .....	242 .....	25 kg	100 kg	A	40	
	Sulfur and chlorate, loose mixtures of	4.1	UN1350	III	6.1 .....	IB8, IP3, T1, TP33	153 .....	213 .....	240 .....	100 kg	200 kg	A	40	
	Sulfur chlorides, see Sulfur chlorides.	Forbidden		I	8 .....	IB8, IP3, T1, TP33 30, IB8, IP2	None ..	None ..	None ..	No Limit	No Limit	A	19, 74	
	Sulfur dichloride, see Sulfur chlorides.	2.3	UN1079	I	8 .....	5, A3, A7, A10, B10, B77, N34, T20, TP2	None ..	201 .....	243 .....	Forbidden	2.5 L	C	40	
	Sulfur dioxide solution, see Sulfurous acid.	2.2	UN1080	I	2, 3, 8	3, B14, T50, TP19	None ..	304 .....	314, 315.	Forbidden	Forbidden	D	40	
	Sulfur hexafluoride	2.2	UN1080	I	2.2 .....		306 .....	304 .....	314, 315.	75 kg	150 kg	A	61	
D	Sulfur, molten	9	NA2448	III	9 .....	30, IB3, T1, TP3	None ..	213 .....	247 .....	Forbidden	Forbidden	C		

I	4.1	UN2448	III	4.1	30, IB1, T1, TP3	None	213	247	Forbiddén	C	74							
	2.3	UN2418	I	2.3, 8	1	None	302	245	Forbiddén	D	40, 52							
+	8	UN1829	I	8, 6.1	2, B9, B14, B32, B49, B77, N34, T20, TP4, TP13, TP25, TP26, TP38, TP45	None	227	244	Forbiddén	A	40							
	8	UN1831	I	8	A3, A7, N34, T20, TP2, TP13	None	201	243	Forbiddén	C	14, 40							
	8	UN1831	I	8, 6.1	2, B9, B14, B32, B74, B77, B84, N34, T20, TP2, TP13	None	227	244	Forbiddén	C	14, 40							
	8	UN1832	II	8	A3, A7, B2, B83, B84, IB2, N34, T8, TP2	None	202	242	Forbiddén	C	14							
	8	UN1830	II	8	A3, A7, B3, B83, B84, IB2, N34, T8, TP2	154	202	242	1 L	C	14							
	8	UN2796	II	8	A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	202	242	1 L	B								
+	8	UN1833	II	8	B3, IB2, T7, TP2	154	202	242	1 L	B	40							
	6.1	UN1834	I	6.1, 8	1, B6, B9, B10, B14, B30, B77, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbiddén	D	40							
	2.3	UN2191		2.3	4	None	304	314, 315	Forbiddén	D	40							
	3	UN1999	II	3	149, B13, IB2, T3, TP3, TP29	150	202	242	5 L	B								
	6.1	UN1700	III	6.1	B1, B13, IB3, T1, TP3	150	203	242	60 L	A								
			II	4.1		None	340	None	Forbiddén	D	40							
D	6.1	NA1693	I	6.1		None	340	None	Forbiddén	D	40							
			II	6.1		None	340	None	Forbiddén	D	40							
G	6.1	UN1693	I	6.1	IB2	None	201	None	Forbiddén	D	40							
			II	6.1	T6, TP33	None	202	None	Forbiddén	D	40							
			I	6.1	IB8, IP2, IP4, T3, TP33	None	211	242	Forbiddén	D	40							
			II	6.1		None	212	242	Forbiddén	D	40							

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
G	Tellurium compound, n.o.s.	6.1	UN3284	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B		
	Tellurium hexafluoride	6.1	UN2195	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B		
	Terpene hydrocarbons, n.o.s.	2.3	UN2319	III	2.3, 8	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
	Terpinolene	3	UN2541	III	3	B1, IB3, T4, TP1, TP29	None	302	None	Forbidden	Forbidden	D	40	
	Tetraazido benzene quinone	Forbidden		III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Tetrabromoethane	6.1	UN2504	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	1,1,2-Tetrachloroethane	6.1	UN1702	II	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A	40	
	Tetrachloroethylene	6.1	UN1897	III	6.1	IB3, N36, T4, TP1	153	203	241	60 L	220 L	A	40	
	Tetraethyl dithiophosphate	6.1	UN1704	II	6.1	IB2, T7, TP2	153	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		III	3		150	203	242	60 L	220 L	A		
	Tetraethylenepentamine	8	UN2320	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52.	
	1,1,1,2-Tetrafluoroethane or Refrigerant gas R 134a.	2.2	UN3159	II	2.2	IB3, T4, TP1	306	304	314, 315.	75 kg	150 kg	A		
	Tetrafluoroethylene, stabilized	2.1	UN1081	2.1	2.1		306	304	None	Forbidden	150 kg	E	40	
	Tetrafluoroethane or Refrigerant gas R 14.	2.2	UN1982	2.2	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		
	Tetrahydrofurylamine	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, T1, TP33	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, solid.	8	UN3423	II	8	B2, IB8, IP2, IP4, T3, TP33	154	213	240	15 kg	50 kg	A	52	
	Tetramethylammonium hydroxide solution.	8	UN1835	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52	
	Tetramethylene diperoxide dicarbamide.	Forbidden		III	8	B2, IB3, T7, TP2	154	203	241	5 L	60 L	A	52	
	Tetramethylsilane	3	UN2749	I	3	A7, T14, TP2	None	201	243	Forbidden	30 L	D		
	Tetranitro diglycerin	Forbidden		II	1.1D		None	62	None	Forbidden	Forbidden		10	
	Tetranitroaniline	1.1D	UN0207	II	1.1D		None	62	None	Forbidden	Forbidden		10	

+	UN1510	I	6.1, 5.1	2, B32, T20, TP2, TP13, TP38, TP44	None ...	227 ...	None	Forbidden	Forbidden	D	40, 6
Tetranitromethane	6.1	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
2,3,4,6-Tetranitrophenol	Forbidden										
2,3,4,6-Tetranitrophenyl methyl nitramine	Forbidden										
2,3,4,6-Tetranitrophenylnitramine	Forbidden										
Tetranitroacetone (dry)	Forbidden										
2,3,5,6-Tetranitroso-1,4-dinitrobenzene	Forbidden										
2,3,5,6-Tetranitroso nitrobenzene (dry)	3	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
Tetrapropylorthoitanate	UN2413										
Tetrazene, see Guananyl nitrosaminoguanyletriazene											
Tetrazine (dry)	Forbidden										
Tetrazol-1-acetic acid	1.4C	II	1.4C		None	62	None	Forbidden	75 kg	09	
1H-Tetrazole	1.1D	II	1.1D		None	62	None	Forbidden	Forbidden	B	1E, 5E
Tetrazolyl azide (dry)	Forbidden										
Teuryl, see Trinitrophenylmethylnitramine											
Textile waste, wet	UN1857	III	4.2		151	213	240	Forbidden	Forbidden	A	
Thallium chlorate	UN2573	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Thallium compounds, n.o.s.	6.1	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Thallium nitrate	UN2727	II	6.1	IB6, IP2, T3, TP33	153	212	242	5 kg	25 kg	A	
4-Thiopenatal	UN2785	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	D	25, 49
Thioacetic acid	UN2496	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Thiocarbamate pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Thiocarbamate pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	UN3005	II	3, 6.1	IB2, T11, TP13, TP27	150	202	243	1 L	60 L	B	40
	6.1	I	6.1, 3	T14, TP2, TP13	None	201	243	1 L	30 L	B	40
Thiocarbamate pesticide, liquid, toxic	UN3006	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	6.1	III	6.1, 3	IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
	6.1	I	6.1	T14, TP2, TP13	None	201	243	1 L	30 L	B	40
	6.1	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Thiocarbamate pesticides, solid, toxic	UN2771	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	6.1	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
	6.1	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Thiocarbonylchloride, see Thiophosgene		III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Thioglycol	UN2966	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Thioglycolic acid .....	8	UN1940	II	8	A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	
	Thioloactic acid .....	6.1	UN2936	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Thionyl chloride .....	8	UN1836	I	8	B6, B10, N34, T10, TP2, TP13	None	201	243	Forbidden	Forbidden	C	40
	Thiophene .....	3	UN2414	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
+	Thiophosgene .....	6.1	UN2474	I	6.1	2, B9, B14, B32, N33, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52
	Thiophosphoryl chloride .....	8	UN1837	II	8	A3, A7, B2, B8, B25, IB2, N34, T7, TP2	None	202	242	Forbidden	30 L	C	40
	Thiourea dioxide .....	4.2	UN3341	III	4.2	IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	D	
	<i>Tin chloride, fuming, see Stannic chloride, anhydrous.</i>				4.2	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	D	
	<i>Tin perchloride or Tin tetrachloride, see Stannic chloride, anhydrous.</i>												
	Tinctures, medicinal .....												
	<i>Tinning flux, see Zinc chloride.</i>												
	Tires and tire assemblies, see Air, compressed or Nitrogen, compressed .....												
	Titanium disulphide .....	4.2	UN3174	III	4.2	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	A	
	Titanium hydride .....	4.1	UN1871	II	4.1	A19, A20, IB4, N34, T3, TP33	None	212	241	15 kg	50 kg	E	
	Titanium powder, dry .....	4.2	UN2546	I	4.2	A19, A20, IB6, IP2, N5, N34, T3, TP33	None	211	242	Forbidden	Forbidden	D	
	Titanium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns.	4.1	UN1352	II	4.1	A19, A20, IB6, IP2, N34, T3, TP33	None	212	240	15 kg	50 kg	D	74

		213 ...	240 ...	25 kg	100 kg	D	74
+	Titanium sponge granules or titanium sponge powders.	None ...	240 ...	25 kg	100 kg	D	40
	Titanium tetrachloride	None ...	244 ...	Forbidden	Forbidden	D	40
	Titanium trichloride mixtures	154 ...	240 ...	15 kg	50 kg	A	40
+	Titanium trichloride, pyrophoric or titanium trichloride mixtures, pyrophoric.	154 ...	240 ...	25 kg	100 kg	A	40
	TNT mixed with aluminum, see Tritonal.	None ...	244 ...	Forbidden	Forbidden	D	40
	Toluene	150 ...	242 ...	5 L	60 L	B	25, 40
	Toluene dithiocyanate	153 ...	243 ...	5 L	60 L	D	
+	Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc.	153 ...	243 ...	5 L	60 L	A	
	Toluidines, liquid	153 ...	243 ...	25 kg	100 kg	A	
	Toluidines, solid	153 ...	240 ...	100 kg	200 kg	A	
	2,4-Toluylenediamine, solid or 2,4-Toluenediamine, solid.	153 ...	241 ...	60 L	220 L	A	
G	2,4-Toluylenediamine solution or 2,4-Toluenediamine solution.	62 ...	None	Forbidden	Forbidden	04	23E
	Torpedoes, liquid fueled, with inert head.	62 ...	None	Forbidden	Forbidden	04	23E
	Torpedoes, liquid fueled, with or without bursting charge.	62 ...	62 ...	Forbidden	Forbidden	03	
	Torpedoes with bursting charge	62 ...	62 ...	Forbidden	Forbidden	08	
	Torpedoes with bursting charge	62 ...	62 ...	Forbidden	Forbidden	03	
	Toxic by inhalation liquid, corrosive, flammable, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m3 and saturated vapor concentration greater than or equal to 500 LC50.	None ...	226 ...	Forbidden	Forbidden	D	40, 125
	Toxic by inhalation liquid, corrosive, flammable, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m3 and saturated vapor concentration greater than or equal to 10 LC50.	None ...	244 ...	Forbidden	Forbidden	D	40, 125
	Toxic by inhalation liquid, flammable, corrosive, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m3 and saturated vapor concentration greater than or equal to 500 LC50.	None ...	226 ...	Forbidden	Forbidden	D	40, 125
	Toxic by inhalation liquid, flammable, corrosive, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m3 and saturated vapor concentration greater than or equal to 10 LC50.	None ...	244 ...	Forbidden	Forbidden	D	40, 125
	Toxic by inhalation liquid, flammable, corrosive, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m3 and saturated vapor concentration greater than or equal to 500 LC50.	None ...	226 ...	Forbidden	Forbidden	D	40, 125

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identifi-cation Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Toxic by inhalation liquid, flammable, corrosive, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50.	6.1	UN3489	I	6.1, 3, 8.	2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40, 125
G	Toxic by inhalation liquid, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50.	6.1	UN3381	I	6.1 .....	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, n.o.s. with an inhalation toxicity lower than or equal to 1000ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50.	6.1	UN3382	I	6.1 .....	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, flammable, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50.	6.1	UN3383	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, flammable, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 10 LC50.	6.1	UN3384	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, water-reactive, n.o.s. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapor concentration greater than or equal to 500 LC50.	6.1	UN3385	I	6.1, 4.3.	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	D	40

G	6.1	UN3386	I	6.1, 4.3.	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None ...	227 ...	244 ...	Forbidden	Forbidden	40
G	6.1	UN3490	I	6.1, 4.3, 3.	1, B9, B14, B30, B72, T22, TP2, TP13, TP27, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	21, 28, 40, 49
G	6.1	UN3491	I	6.1, 4.3, 3.	2, B9, B14, B32, B74, T20, TP2, TP13, TP27, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	21, 28, 40, 49
G	6.1	UN3387	I	6.1, 5.1.	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	40
G	6.1	UN3388	I	6.1, 5.1.	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None ...	227 ...	244 ...	Forbidden	Forbidden	40
G	6.1	UN3389	I	6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None ...	226 ...	244 ...	Forbidden	Forbidden	40
G	6.1	UN3390	I	6.1, 8	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None ...	227 ...	244 ...	Forbidden	Forbidden	40
G	6.1	UN3289	I	6.1, 8	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	0.5 L	2.5 L A	
G	6.1	UN3287	II	6.1, 8	IB2, T11, TP2, TP27	153	202	243	1 L	30 L A	
			I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L A	
			II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L A	
			III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L A	
G	6.1	UN2927	I	6.1, 8	T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L B	40
G	6.1	UN2929	II	6.1, 8	IB2, T11, TP2, TP27	153	202	243	1 L	30 L B	40
			I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L B	40



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
G	..... Toxic liquids, organic, n.o.s. ....	6.1	UN2810	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40	
G	..... Toxic liquids, oxidizing, n.o.s. ....	6.1	UN3122	III	6.1, 5.1	T14, TP2, TP13, TP27 IB2, T11, TP2, TP13, TP27 IB3, T7, TP1, TP28 A4	None	201	243	1 L	30 L	B	40	
G	..... Toxic liquids, water-reactive, n.o.s. ....	6.1	UN3123	II	6.1, 5.1, 4.3	IB2 A4	153	202	243	1 L	5 L	C	40	
G	..... Toxic solid, corrosive, inorganic, n.o.s. ....	6.1	UN3290	II	6.1, 4.3	IB2	None	202	243	1 L	5 L	E	40	
G	..... Toxic solid, inorganic, n.o.s. ....	6.1	UN3288	II	6.1, 8	IB7, T6, TP33	153	211	242	1 kg	25 kg	A	40	
G	..... Toxic solids, corrosive, organic, n.o.s. ....	6.1	UN2928	III	6.1, 8	IB6, IP2, T3, TP33 IB7, T6, TP33 IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 IB7, T6, TP33	153	211	242	15 kg	50 kg	A	40	
G	..... Toxic solids, flammable, organic, n.o.s. ....	6.1	UN2930	II	6.1, 4.1	IB6, IP2, T3, TP33 IB6, T6, TP33	153	211	242	1 kg	50 kg	B	40	
G	..... Toxic solids, organic, n.o.s. ....	6.1	UN2811	II	6.1, 4.1	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	B	40	
G	..... Toxic solids, oxidizing, n.o.s. ....	6.1	UN3086	III	6.1, 5.1	IB8, IP2, T3, TP33 IB8, IP4, T3, TP33 IB8, IP3, T1, TP33 T6, TP33	None	211	242	5 kg	50 kg	B	40	
G	..... Toxic solids, self-heating, n.o.s. ....	6.1	UN3124	I	6.1, 4.2	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	C	40	
	.....			II	6.1, 4.2	A5, T6, TP33	None	211	242	5 kg	15 kg	D	40	
	.....			II	6.1, 4.2	IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	D	40	

G	Toxic solids, water-reactive, n.o.s. ....	6.1 UN3125	I	6.1, 4.3.	A5, T6, TP33	None ...	211 ...	242 ...	5 kg	15 kg	D	40
G	Toxins, extracted from living sources, liquid, n.o.s. ....	6.1 UN3172	II	6.1, 4.3.	IB6, IP2, T3, TP33	153 ...	212 ...	242 ...	15 kg	50 kg	D	40
G	Toxins, extracted from living sources, solid, n.o.s. ....	6.1 UN3462	I	6.1	141	None ...	201 ...	243 ...	1 L	30 L	B	40
D	Toy Caps ...	1.4S NA0337	III	6.1	141, IB2	None ...	202 ...	243 ...	5 L	60 L	B	40
D	Tracers for ammunition ...	1.3G UN0212	III	6.1	141, IB3	153 ...	203 ...	241 ...	60 L	220 L	B	40
D	Tracers for ammunition ...	1.4G UN0306	I	6.1	141, IB7, IP1, T6, TP33	None ...	211 ...	243 ...	5 kg	50 kg	B	40
D	Tri-( <i>o</i> -nitroxyethyl) ammonium nitrate	Forbidden	II	6.1	141, IB8, IP2, IP4, T3 TP33	None ...	212 ...	243 ...	25 kg	100 kg	B	
D	Triallyl borate	6.1 UN2609	III	6.1	141, IB8, IP3, T1 TP33	153 ...	213 ...	241 ...	100 kg	200 kg	A	
D	Triallylamine	3 UN2610	III	1.4S		None ...	62 ...	None	25 kg	100 kg	05	
D	Triazine pesticides, liquid, flammable, toxic, flash point less than 23 degrees C.	3 UN2764	II	1.3G		None ...	62 ...	None	Forbidden	Forbidden	07	
D	Triazine pesticides, liquid, toxic	6.1 UN2988	II	1.4G		None ...	62 ...	None	Forbidden	75 kg	06	
D	Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1 UN2997	III	6.1	B1, IB3, T4, TP1	153 ...	203 ...	241 ...	60 L	220 L	A	13
D	Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1 UN2997	I	3, 6.1	T14, TP2, TP13, TP27	None ...	203 ...	242 ...	5 L	60 L	A	40
D	Triazine pesticides, liquid, toxic	6.1 UN2998	II	6.1	T14, TP2, TP13, TP27	None ...	201 ...	243 ...	1 L	30 L	B	40
D	Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C.	6.1 UN2997	II	6.1	IB2, T11, TP2, TP13, TP27	153 ...	202 ...	243 ...	5 L	60 L	B	40
D	Triazine pesticides, solid, toxic	6.1 UN2763	III	6.1, 3	IB3, T7, TP2, TP28	153 ...	203 ...	242 ...	60 L	220 L	A	40
D	Tributylamine	6.1 UN2542	III	6.1	IB7, IP1, T6, TP33	None ...	211 ...	242 ...	5 kg	50 kg	A	40
D	Tributylphosphane	4.2 UN3254	III	6.1	IB8, IP2, IP4, T3, TP33	153 ...	212 ...	240 ...	25 kg	100 kg	A	40
D	Trichloro- <i>s</i> -triazinetriene dry, with more than 39 percent available chlorine, see Trichloroisocyanuric acid, dry.	8 UN1839	I	4.2	IB2, T7, TP2	153 ...	202 ...	243 ...	100 kg	200 kg	A	40
D	Trichloroacetic acid	8 UN2564	I	8	T21, TP7, TP33	None ...	211 ...	242 ...	5 L	60 L	A	136
D	Trichloroacetic acid, solution	8 UN2564	II	8	A7, IB8, IP2, IP4, N34, TP33	154 ...	212 ...	240 ...	15 kg	50 kg	A	
D	Trichloroacetic acid, solution	8 UN2564	II	8	A3, A6, A7, B2, IB2, N34, T7, TP2	154 ...	202 ...	242 ...	1 L	30 L	B	
D	Trichloroacetic acid, solution	8 UN2564	III	8	A3, A6, A7, IB3, N34, T4, TP1	154 ...	203 ...	241 ...	5 L	60 L	B	8

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
+	Trichloroacetyl chloride .....	8	UN2442	II	8, 6.1	2, B9, B14, B32, N34, T20, TP2, TP36, 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	25, 40
	Trichlorobutene .....	6.1	UN2322	III	6.1	IB2, T7, TP2	153 .....	202	243	5 L	60 L	A	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
	Trichloroacetic acid, dry .....	5.1	UN2468	II	5.1	IB8, IP2, IP4, T3, TP33	152 .....	212	240	5 kg	25 kg	A	13
	Trichloromethyl perchlorate .....	Forbidden											
	Trichlorosilane .....	4.3	UN1295	I	4.3, 3, 8	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	153 .....	202	243	5 L	60 L	A	40
	Triethyl phosphite .....	3	UN2323	III	3	B1, IB3, T2, TP1	150 .....	203	242	60 L	220 L	A	40
	Triethylamine .....	3	UN1296	II	3, 8	IB2, T7, TP1	150 .....	202	243	1 L	5 L	B	40, 52
	Triethylenetetramine .....	8	UN2259	I	8	B2, IB2, T7, TP2	154 .....	202	242	1 L	30 L	B	12, 40
	Trifluoroacetic acid .....	8	UN2699	I	8	A3, A6, A7, B4, N3, N34, N36, T10, TP2	None ...	201	243	0.5 L	2.5 L	B	40
	Trifluoroacetyl chloride .....	2.3	UN3057		2.3, 8	2, B7, B9, B14, T50, TP21	None ...	304	314	Forbidden	Forbidden	D	40
	Trifluorochloroethylene, stabilized .....	2.3	UN1082		2.3	3, B14, T50	None ...	304	314	Forbidden	Forbidden	D	40
Trifluoromethane or Refrigerant gas R 23 .....	2.2	UN1984		2.1, 2.2		306 .....	304	314	75 kg	150 kg	A	40	
Trifluoromethane, refrigerated liquid .....	2.2	UN3136		2.2	T75, TP5	306 .....	None	314	50 kg	500 kg	D	40	
1,1,1-Trifluoroethane or Refrigerant gas, R 143a .....	2.1	UN2035		2.1	T50	306 .....	304	314	Forbidden	150 kg	B	40	
2-Trifluoromethylaniline .....	6.1	UN2942	III	6.1	IB3	153 .....	203	241	60 L	220 L	A	40	
3-Trifluoromethylaniline .....	6.1	UN2948	II	6.1	IB2, T7, TP2	153 .....	202	243	5 L	60 L	A	40	
Trifluoroxime trinitrate .....	Forbidden												
Trisobutylene .....	3	UN2324	III	3	B1, IB3, T4, TP1	150 .....	203	242	60 L	220 L	A	40	
Triisopropyl borate .....	3	UN2616	III	3	B1, IB3, T2, TP1	150 .....	203	242	5 L	60 L	A	40	
Trimethoxyisilane .....	6.1	NA9269	I	6.1, 3	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None ...	227	244	Forbidden	Forbidden	E	40	
Trimethyl borate .....	3	UN2416	III	3	IB2, T7, TP1	150 .....	202	242	5 L	60 L	B	40	
Trimethyl phosphite .....	3	UN2329	III	3	B1, IB3, T2, TP1	150 .....	203	242	60 L	220 L	A	40	

1,3,5-Trimethyl-2,4,6-trinitrobenzene	Forbiddén	UN2438	I	6.1, 8, 3	2, B3, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45, N87, T50	None	227	244	Forbiddén	Forbiddén	D	25, 40
Trimethylacetyl chloride	6.1											
Trimethylamine, anhydrous	2.1	UN1083	I	2.1	TP38, TP45, N87, T50	306	304	314, 315, 243	Forbiddén	150 kg	B	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	D	40, 135
Trimethylamine, aqueous solutions with not more than 50 percent trimethylamine by mass.												
1,3,5-Trimethylbenzene	3	UN2325	II	3, 8	B1, B2, T7, TP1	150	202	243	1 L	5 L	B	40, 41
Trimethylchlorosilane	3	UN1298	III	3, 8	B1, B3, T7, TP1	150	203	242	5 L	60 L	A	40, 41
Trimethylcyclohexylamine	8	UN2326	II	3, 8	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	40
Trimethylglycol diperchlorate	Forbiddén		III	8	A3, A7, B77, N34, T10, TP2, TP7, TP13	None	206	243	1 L	5 L	E	
Trimethylhexamethylene diisocyanate	6.1	UN2328	III	6.1	IB3, T4, TP1	154	203	241	5 L	60 L	A	
Trimethylhexamethylenediamines	8	UN2327	III	8	IB3, T4, TP2, TP13	153	203	241	60 L	220 L	B	
Trimethyl nitromethane trinitrate	Forbiddén											
Tritro-m-cresol	1.1D	UN0216	II	1.1D	IB3, T4, TP1	154	203	241	5 L	60 L	A	
2,4,6-Trinitro-1,3-diazobenzene	Forbiddén											
2,4,6-Trinitro-1,3,5-triazido benzene (dry).	Forbiddén											
Tritroacetic acid	Forbiddén											
Tritroacetone	Forbiddén											
Tritroacetone trinitrate	Forbiddén											
Tritroamine cobalt	1.1D	UN0153	II	1.1D		None	62	None	Forbiddén	Forbiddén	10	
Tritroaniline or Picramide	1.1D	UN0219	II	1.1D		None	62	None	Forbiddén	Forbiddén	10	
Tritroanisole	4.1	UN3367	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	36
Tritrobenzene, wetted, with not less than 10% water, by mass.	4.1											
Tritrobenzene, dry or wetted with less than 30 percent water, by mass.	1.1D	UN0214	II	1.1D		None	62	None	Forbiddén	Forbiddén	10	
Tritrobenzene, 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
Tritrobenzenesulfonic acid	1.1D	UN0386	II	1.1D		None	62	None	Forbiddén	Forbiddén	10	5E
Tritrobenzoic acid, dry or wetted with less than 30 percent water, by mass.	1.1D	UN0215	II	1.1D		None	62	None	Forbiddén	Forbiddén	10	
Tritrobenzoic 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
Tritrobenzoic 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
Tritrochlorobenzene or Picyl chloride.	1.1D	UN0155	II	1.1D		None	62	None	Forbiddén	Forbiddén	10	
Tritrochlorobenzene (picyl chloride), wetted, with not less than 10% water by mass.	4.1	UN3365	I	4.1	162, A8, A19, N41, N84	None	211	None	0.5 kg	0.5 kg	E	36
Tritroethanol	Forbiddén											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
	<i>Trinitroethylnitrate</i> .....	Forbidden	UN0387	II	1.1D ..		None ..	62 .....	None	Forbidden	Forbidden	10		
	<i>Trinitrofluorenone</i> .....	1.1D												
	<i>Trinitromethane</i> .....	Forbidden												
	<i>1,3,5-Trinitronaphthalene</i> .....	Forbidden	UN0217	II	1.1D ..		None ..	62 .....	None	Forbidden	Forbidden	10		
	<i>Trinitronaphthalene</i> .....	1.1D	UN0218	II	1.1D ..		None ..	62 .....	None	Forbidden	Forbidden	10		
	<i>Trinitrophenetole</i> .....	1.1D	UN3364	I	4.1 .....	162, A8, A19, N41, N84	None ..	211 .....	None	0.5 kg	0.5 kg	E	36	
	<i>Trinitrophenol (picric acid), wetted, with not less than 10 percent water by mass.</i> .....	4.1												
	<i>Trinitrophenol or Picric acid, dry or wetted with less than 30 percent water, by mass.</i> .....	1.1D	UN0154	II	1.1D ..		None ..	62 .....	None	Forbidden	Forbidden	10	5E	
	<i>Trinitrophenol, wetted or Picric acid, wetted, with not less than 30 percent water by mass.</i> .....	4.1	UN1344	I	4.1 .....	23, A8, A19, N41	None ..	211 .....	None	1 kg	15 kg	E	28, 36	
	<i>2,4,6-Trinitrophenyl guanidine (dry)</i> ..	Forbidden												
	<i>2,4,6-Trinitrophenyl nitramine</i> .....	Forbidden												
	<i>2,4,6-Trinitrophenyl trimethylol methyl nitramine trinitrate (dry).</i> .....	Forbidden												
	<i>Trinitrophenylmethylnitramine or Tet-yl.</i> .....	1.1D	UN0208	II	1.1D ..		None ..	62 .....	None	Forbidden	Forbidden	10		
	<i>Trinitroresorcinol or Styphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass.</i> .....	1.1D	UN0219	II	1.1D ..		None ..	62 .....	None	Forbidden	Forbidden	10	5E	
	<i>Trinitroresorcinol, wetted or Styphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass.</i> .....	1.1D	UN0394	II	1.1D ..		None ..	62 .....	None	Forbidden	Forbidden	10	5E	
	<i>2,4,6-Trinitroso-3-methyl nitraminoanisole.</i> .....	Forbidden												
	<i>Trinitrotriamine cobalt nitrate</i> .....	Forbidden												
	<i>Trinitrotoluene and Trinitrobenzene mixtures or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures or Trinitrotoluene and hexanitrostilbene mixtures.</i> .....	1.1D	UN0388	II	1.1D ..		None ..	62 .....	None	Forbidden	Forbidden	10		

UN number	Proper shipping name	Class	Division	Subdivision	Label	Quantity	Special provisions	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden
1.1D UN0389	Trinitroloeuene mixtures containing Trinitrobenzene	II	1.1D ..			None ..	62 .....	None	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden
1.1D UN0209	Hexanitrostilbene or TNT mixtures containing trinitrobenzene and hexanitrostilbene.	II	1.1D ..			None ..	62 .....	None	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden
4.1 UN3366	Trinitroloeuene or TNT, dry or wetted with less than 30 percent water, by mass.	I	4.1 .....			None ..	211 ..	None	0.5 kg	0.5 kg	0.5 kg	E	36
4.1 UN1356	Trinitroloeuene (TNT), wetted, with not less than 10 percent water by mass.	I	4.1 .....			None ..	211 ..	None	0.5 kg	0.5 kg	0.5 kg	E	28, 36
3 UN2260	Trinitroloeuene, wetted or TNT, wetted, with not less than 30 percent water by mass.	III	3, 8 .....			150 .....	203 ..	242 .....	5 L	60 L	60 L	A	40
3 UN2057	Tripopylamine	II	3 .....			150 .....	203 ..	242 .....	5 L	60 L	60 L	B	
6.1 UN2501	Tripopylamine	III	3 .....			150 .....	203 ..	242 .....	60 L	220 L	220 L	A	
	Tris-(1-aziridinyl)phosphine oxide, solution.	II	6.1 .....			153 .....	202 ..	243 .....	5 L	60 L	60 L	A	
	Tris-(1-aziridinyl)phosphine oxide, solution.	III	6.1 .....			153 .....	203 ..	241 .....	60 L	220 L	220 L	A	
	Tris, bis-bifluoroamino diethoxy propane (TVOA).	Forbidden											
1.1D UN0390	Trinitroloeuene	II	1.1D ..			None ..	62 .....	None	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden
2.3 UN2196	Tungsten hexafluoride	III	2,3, 8 .....			None ..	338 ..	None	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden
3 UN1299	Turpentine	III	3 .....			150 .....	203 ..	243 .....	60 L	220 L	220 L	A	40
3 UN1300	Turpentine substitute	I	3 .....			None ..	201 ..	243 .....	1 L	30 L	30 L	B	
		II	3 .....			150 .....	202 ..	242 .....	5 L	60 L	60 L	B	
		III	3 .....			150 .....	203 ..	242 .....	60 L	220 L	220 L	A	
3 UN2330	Undecane	III	3 .....			150 .....	203 ..	242 .....	60 L	220 L	220 L	A	
5.1 UN1511	Urea hydrogen peroxide	III	5.1, 8 .....			152 .....	213 ..	240 .....	25 kg	100 kg	100 kg	A	13
1.1D UN0220	Urea nitrate, dry or wetted with less than 20 percent water, by mass.	II	1.1D ..			None ..	62 .....	None	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden
4.1 UN3370	Urea nitrate, wetted, with not less than 10 percent water, by mass.	I	4.1 .....			None ..	211 ..	None	0.5 kg	0.5 kg	0.5 kg	E	36
4.1 UN1357	Urea nitrate, wetted with not less than 20 percent water, by mass.	I	4.1 .....			None ..	211 ..	None	1 kg	1 kg	15 kg	E	28, 36
	Urea peroxide, see Urea hydrogen peroxide.												
3 UN2058	Valeraldehyde	II	3 .....			150 .....	202 ..	242 .....	5 L	60 L	60 L	B	
	Valeric acid, see Corrosive liquids, n.o.s.												
8 UN2502	Valeryl chloride	II	8, 3 .....			154 .....	202 ..	243 .....	1 L	30 L	30 L	C	40
6.1 UN3285	Vanadium compound, n.o.s.	I	6.1 .....			None ..	211 ..	242 .....	5 kg	50 kg	50 kg	B	
		II	6.1 .....			153 .....	212 ..	242 .....	25 kg	100 kg	100 kg	B	
		III	6.1 .....			153 .....	213 ..	240 .....	100 kg	200 kg	200 kg	C	
8 UN2443	Vanadium oxytrichloride	III	8 .....			154 .....	202 ..	242 .....	Forbidden	Forbidden	Forbidden	Forbidden	Forbidden
6.1 UN2862	Vanadium pentoxide, non-fused form	III	6.1 .....			153 .....	213 ..	240 .....	100 kg	200 kg	200 kg	A	40

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§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)			(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
	Vanadium tetrachloride .....	8	UN2444	I	8 .....	A3, A6, A7, B4, N34, T10, TP2	None ...	201 ...	243 ...	Forbidden	2.5 L	C	40	
	Vanadium trichloride .....	8	UN2475	III	8 .....	IB8, IP3, T1, TP33	154 .....	213 ...	240 ...	25 kg	100 kg	A	40	
	Vanadyli sulfate .....	6.1	UN2931	II	6.1 .....	IB8, IP2, IP4, T3, TP33	153 .....	212 ...	242 ...	Forbidden	100 kg	A		
	Vehicle, flammable gas powered or powered, fuel cell, flammable gas powered.	9	UN3166	II	9 .....	135	220 .....	220 ...	220 ...	Forbidden	No limit	A		
	Vehicle, flammable liquid powered or powered, fuel cell, flammable liquid powered.	9	UN3166	II	9 .....	135	220 .....	220 ...	220 ...	No limit	No limit	A		
	Very signal cartridge, see Cartridges, signal.	3	UN1301	II	3 .....	IB2, T4, TP1	150 .....	202 ...	242 ...	5 L	60 L	B		
	Vinyl acetate, stabilized .....	2.1	UN1085	II	2.1 .....	N86, T50	306 .....	304 ...	314 ...	Forbidden	150 kg	B	40	
	Vinyl bromide, stabilized .....	2.1	UN1086	II	2.1 .....	IB2, T4, TP1	150 .....	202 ...	242 ...	5 L	60 L	B		
	Vinyl butyrate, stabilized .....	2.1	UN1086	II	2.1 .....	21, B44, N86, T50	306 .....	304 ...	314 ...	Forbidden	150 kg	B	40	
	Vinyl chloride, stabilized .....	2.1	UN1086	II	2.1 .....	IB2, T7, TP2	153 .....	202 ...	243 ...	5 L	60 L	A		
	Vinyl chloroacetate .....	6.1	UN2589	II	6.1, 3 .....	A3, T11, TP2	None ...	201 ...	243 ...	Forbidden	1 L	D		
	Vinyl ethyl ether, stabilized .....	3	UN1302	I	3 .....	N86	306 .....	304 ...	314 ...	Forbidden	150 kg	E	40	
	Vinyl fluoride, stabilized .....	2.1	UN1860	II	2.1 .....	IB2, T4, TP1	150 .....	202 ...	242 ...	5 L	60 L	B		
	Vinyl isobutyl ether, stabilized .....	3	UN1304	II	3 .....	B44, T50	306 .....	304 ...	314 ...	Forbidden	150 kg	B	40	
	Vinyl methyl ether, stabilized .....	2.1	UN1087	II	2.1 .....		306 .....	304 ...	315 ...	Forbidden	150 kg	B	40	
	Vinyl nitrate polymer .....	Forbidden												
	Vinylidene chloride, stabilized .....	3	UN1303	I	3 .....	T12, TP2, TP7	150 .....	201 ...	243 ...	1 L	30 L	E	40	
	Vinylpyridines, stabilized .....	6.1	UN3073	II	6.1, 3, 8 .....	IB1, T7, TP2, TP13	153 .....	202 ...	243 ...	1 L	30 L	B	21, 40, 52,	
	Vinyltoluenes, stabilized .....	3	UN2618	III	3 .....	B1, IB3, T2, TP1	150 .....	203 ...	242 ...	60 L	220 L	A		
	Vinyltrichlorosilane, stabilized .....	3	UN1305	II	3, 8 .....	A3, A7, B6, N34, T10, TP2, TP7, TP13	None ...	206 ...	243 ...	1 L	5 L	B	40	
	Warheads, rocket with burster or ex-pelling charge.	1.4D	UN0370	II	1.4D .....		None ...	62 .....	62 .....	Forbidden	75 kg	02		
	Warheads, rocket with burster or ex-pelling charge.	1.4F	UN0371	II	1.4F .....		None ...	62 .....	None	Forbidden	Forbidden	08		
	Warheads, rocket with bursting charge.	1.1D	UN0286	II	1.1D .....		None ...	62 .....	62 .....	Forbidden	Forbidden	03		

	1.2D	UN0287	1.2D ..		None ..	62 .....	62 .....	Forbiddn	Forbiddn	03
Warheads, rocket with bursting charge.	1.1F	UN0369	1.1F ..		None ..	None	None	Forbiddn	Forbiddn	08
Warheads, rocket with bursting charge.	1.1D	UN0221	1.1D ..		None ..	62 .....	62 .....	Forbiddn	Forbiddn	03
G Water-reactive liquid, corrosive, n.o.s.	4.3	UN3129	I 4.3, 8 II 4.3, 8 III 4.3, 8	T14, TP2, TP7 IB1, T11, TP2 IB2, T7, TP1 T9, TP2, TP7 IB1, T7, TP2 IB2, T7, TP1	None .. None .. None .. None .. None .. None ..	201 .. 202 .. 203 .. 201 .. 202 .. 203 ..	243 .. 243 .. 242 .. 244 .. 243 .. 242 ..	Forbiddn Forbiddn Forbiddn Forbiddn Forbiddn Forbiddn	1 L 5 L 60 L 1 L 5 L 60 L 1 L 5 L	D E E E E E E E E
G Water-reactive liquid, n.o.s. ....	4.3	UN3148	I 4.3 .....		None ..	201 ..	243 ..	Forbiddn	Forbiddn	85
G Water-reactive liquid, toxic, n.o.s. ....	4.3	UN3130	I 4.3, 6.1. II 4.3, 6.1. III 4.3, 6.1.	IB1 IB2	None .. None ..	202 .. 203 ..	243 .. 242 ..	1 L 5 L	1 L 5 L	E E
G Water-reactive solid, corrosive, n.o.s.	4.3	UN3131	I 4.3, 8	IB4, IP1, N40, T9, TP7, TP33	None ..	211 ..	242 ..	Forbiddn	15 kg	D
G Water-reactive solid, flammable, n.o.s.	4.3	UN3132	I 4.3, 8 II 4.3, 8 III 4.3, 8	IB6, IP2, T3, TP33 IB8, IP4, T1, TP33 IB4, N40	151 .. 151 .. None ..	212 .. 213 .. 211 ..	242 .. 241 .. 242 ..	15 kg 25 kg Forbiddn	50 kg 100 kg 15 kg	E E D
G Water-reactive solid, n.o.s.	4.3	UN3133	I 4.3, 4.1. II 4.3, 4.1. III 4.3, 4.1.	IB4, T3, TP33 IB6, T1, TP33	151 .. 151 ..	212 .. 213 ..	242 .. 241 ..	15 kg 25 kg	50 kg 100 kg	E E
G Water-reactive solid, n.o.s.	4.3	UN2813	I 4.3 .....	IB4, N40, T9, TP7, TP33	None ..	211 ..	242 ..	Forbiddn	15 kg	E
G Water-reactive solid, oxidizing, n.o.s.	4.3	UN3133	I 4.3 .....	IB7, IP2, T3, TP33 IB8, IP4, T1, TP33	151 .. 151 ..	212 .. 213 ..	242 .. 241 ..	15 kg 25 kg Forbiddn	50 kg 100 kg Forbiddn	E E E
G Water-reactive solid, self-heating, n.o.s.	4.3	UN3135	I 4.3, 4.2. II 4.3, 4.2. III 4.3, 4.2.	IB5, IP2, T3, TP33 IB8, IP4, T1, TP33	None .. None ..	212 .. 213 ..	242 .. 241 ..	15 kg 25 kg	50 kg 100 kg	E E
G Water-reactive solid, toxic, n.o.s. ....	4.3	UN3134	I 4.3, 6.1. II 4.3, 6.1. III 4.3, 6.1.	A8, IB4, IP1, N40 IB5, IP2, T3, TP33 IB8, IP4, T1, TP33	None .. None ..	211 .. 212 ..	242 .. 242 ..	Forbiddn 15 kg	15 kg 50 kg	D E
Wheel chair, electric, see Battery powered vehicle or Battery powered equipment.				IB8, IP4, T1, TP33	151 ..	213 ..	241 ..	25 kg	100 kg	E



§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
I  A1 W	White acid, see Hydrofluoric acid. White asbestos ( <i>chrysotile, actinolite, anthophyllite, tremolite</i> ).	9	UN2590	III	9	156, IB8, IP2, IP3, T1, TP33	155	216	240	200 kg	200 kg	A	34, 40
	Wood preservatives, liquid	3	UN1306	III	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	40
	Wool waste, wet	4.2	UN1387	III	4.2	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
							151	213	240	Forbidden	Forbidden	A	
	Xanthates	4.2	UN3342	II	4.2	IB6, IP2, T3, TP33	None	212	241	15 kg	50 kg	D	40
	Xenon, compressed	2.2	UN2036	III	2.2	IB8, IP3, T1, TP33	None	213	241	25 kg	100 kg	D	40
	Xenon, refrigerated liquid ( <i>cryogenic liquids</i> ).	2.2	UN2591	2.2	2.2	T75, TP5	306, 307	302	None	75 kg	150 kg	A	
	Xylenes	3	UN1307	II	3	IB2, T4, TP1	320	None	None	50 kg	500 kg	D	
	Xylenols, solid	6.1	UN2261	III	3	B1, IB3, T2, TP1	150	202	242	5 L	60 L	B	
	Xylenols, liquid	6.1	UN3430	II	6.1	IB8, IP2, IP4, T3, TP33	150	203	242	60 L	220 L	A	
Xyldines, liquid	6.1	UN1711	II	6.1	IB2, T7, TP2	153	212	242	25 kg	100 kg	A		
Xyldines, solid	6.1	UN3452	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A		
Xylyl bromide, liquid	6.1	UN1701	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
Xylyl bromide, solid	6.1	UN3417	II	6.1	A3, A6, A7, IB2, N33, T7, TP2, TP13	None	340	None	Forbidden	60 L	D	40	
<i>p</i> -Xylyl diazide	Forbidden				A3, A6, A7, IB8, IP2, IP4, N33, T3, TP33	None	340	None	25 kg	100 kg	B	40	
Zinc ammonium nitrite	5.1	UN1512	II	5.1	IB8, IP4, T3, TP33	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	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
Zinc ashes	4.3	UN1435	III	4.3	A1, A19, IB8, IP4, T1, TP33	151	213	241	25 kg	100 kg	A		
Zinc bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.	5.1	UN2469	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58	
Zinc bromate	5.1	UN1513	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58	
Zinc chlorate	8	UN2331	III	8	IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A		
Zinc chloride, anhydrous	8	UN1840	III	8	IB3, T4, TP1	154	203	241	25 kg	100 kg	A		
Zinc chloride, solution							203	241	5 L	60 L	A		

Zinc cyanide .....	6.1	UN1713	I	6.1 .....	IB7, IP1, T6, TP33	None ..	211 .....	242 .....	5 kg	50 kg	A	52
Zinc dithionite or Zinc hydrosulfite ..	9	UN1931	III	None	IB8, IP3, T1, TP33	155 .....	204 .....	240 .....	100 kg	200 kg	A	49
Zinc ethyl, see Diethylzinc.												
Zinc fluorosilicate .....	6.1	UN2855	III	6.1 .....	IB8, IP3, T1, TP33	153 .....	213 .....	240 .....	100 kg	200 kg	A	52
Zinc hydrosulfite, see Zinc dithionite.												
Zinc muriate solution, see Zinc chloride, solution.												
Zinc nitrate .....	5.1	UN1514	II	5.1 .....	IB8, IP2, IP4, T3, TP33	152 .....	212 .....	240 .....	5 kg	25 kg	A	56, 58, 138
Zinc permanganate .....	5.1	UN1515	II	5.1 .....	IB6, IP2, T3, TP33	152 .....	212 .....	242 .....	5 kg	25 kg	D	13, 52, 66, 75
Zinc peroxide .....	5.1	UN1516	II	5.1 .....	IB6, IP2, T3, TP33	152 .....	212 .....	242 .....	5 kg	25 kg	A	40, 52, 85
Zinc phosphide .....	4.3	UN1714	I	4.3, 6.1	A19, N40	None ..	211 .....	None	Forbidden	15 kg	E	52, 53
Zinc powder or Zinc dust .....	4.3	UN1436	I	4.3, 4.2	A19, IB4, IP1, N40	None ..	211 .....	242 .....	Forbidden	15 kg	A	52, 53
.....												
.....												
Zinc resinates .....	4.1	UN2714	III	4.1 .....	A19, IB7, IP2, T3, TP33	None ..	212 .....	242 .....	15 kg	50 kg	A	52, 53
Zinc selenate, see Selenates or Selenites.												
Zinc selenite, see Selenates or Selenites.												
Zinc silicofluoride, see Zinc fluorosilicate.												
Zirconium, dry, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns).	4.1	UN2858	III	4.1 .....	A1	151 .....	213 .....	240 .....	25 kg	100 kg	A	52, 53
Zirconium, dry, finished sheets, strip or coiled wire.	4.2	UN2009	III	4.2 .....	A1, A19	None ..	213 .....	240 .....	25 kg	100 kg	D	
Zirconium hydride .....	4.1	UN1437	II	4.1 .....	A19, A20, IB4, N34, T3, TP33	None ..	212 .....	240 .....	15 kg	50 kg	E	
Zirconium nitrate .....	5.1	UN2728	III	5.1 .....	A1, A29, IB8, IP3, T1, TP33	152 .....	213 .....	240 .....	25 kg	100 kg	A	
Zirconium picramate, dry or wetted with less than 20 percent water, by mass.	1.3C	UN0236	II	1.3C ..		None ..	62 .....	None	Forbidden	Forbidden	10	5E
Zirconium picramate, wetted with not less than 20 percent water, by mass.	4.1	UN1517	I	4.1 .....	23, N41	None ..	211 .....	None	1 kg	15 kg	D	28, 36
Zirconium powder, dry .....	4.2	UN2008	I	4.2 .....	T21, TP7, TP33	None ..	211 .....	242 .....	Forbidden	Forbidden	D	
.....					A19, A20, IB6, IP2, N5, N34, T3, TP33	None ..	212 .....	241 .....	15 kg	50 kg	D	
.....					IB8, IP3, T1, TP33	None ..	213 .....	241 .....	25 kg	100 kg	D	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identifi-cation Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Zirconium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns.	4.1	UN1358	II	4.1 .....	A19, A20, IB6, IP2, N34, T3, TP33	None ...	212 ...	241 ...	15 kg	50 kg	E	74
	Zirconium scrap .....	4.2	UN1932	III	4.2 .....	IB8, IP3, N34, T1, TP33	None ...	213 ...	240 ...	Forbidden	Forbidden	D	
	Zirconium suspended in a liquid .....	3	UN1308	I 3	3 .....		None ...	201 ...	243 ...	Forbidden	Forbidden	B	
	.....			II 3	3 .....		None ...	202 ...	242 ...	5 L	60 L	B	
	.....			III 3	3 .....		150 .....	203 ...	242 ...	60 L	220 L	B	
	Zirconium tetrachloride .....	8	UN2503	III 8	8 .....	IB8, IP3, T1, TP33	154 .....	213 ...	240 ...	25 kg	100 kg	A	.....

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

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

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

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

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

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

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

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

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

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES

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

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

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

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

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

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Benzene, 1,2-dichloro-	100 (45.4)
Benzene, 1,3-dichloro-	100 (45.4)
Benzene, 1,4-dichloro-	100 (45.4)
Benzene, 1,1'-(2,2-dichloroethylidene) bis[4-chloro-	1 (0.454)
Benzene, (dichloromethyl)-	5000 (2270)
Benzene, 1,3-diisocyanatomethyl-	100 (45.4)
Benzene, dimethyl-	100 (45.4)
1,3-Benzenediol	5000 (2270)
1,2-Benzenediol,4-[1-hydroxy-2-(methylamino) ethyl]-	1000 (454)
Benzeneethanamine, alpha,alpha-dimethyl-	5000 (2270)
Benzene, hexachloro-	10 (4.54)
Benzene, hexahydro-	1000 (454)
Benzene, methyl-	1000 (454)
Benzene, 1-methyl-2,4-dinitro-	10 (4.54)
Benzene, 2-methyl-1,3-dinitro-	100 (45.4)
Benzene, (1-methylethyl)-	5000 (2270)
Benzene, nitro-	1000 (454)
Benzene, pentachloro-	10 (4.54)
Benzene, pentachloronitro-	100 (45.4)
Benzenesulfonic acid chloride	100 (45.4)
Benzenesulfonyl chloride	100 (45.4)
Benzene,1,2,4,5-tetrachloro-	5000 (2270)
Benzenethiol	100 (45.4)
Benzene,1,1'-(2,2,2-trichloroethylidene) bis[4-chloro-	1 (0.454)
Benzene,1,1'-(2,2,2-trichloroethylidene) bis[4-methoxy-	1 (0.454)
Benzene, (trichloromethyl)-	10 (4.54)
Benzene, 1,3,5-trinitro-	10 (4.54)
Benzidine	1 (0.454)
Benzo[a]anthracene	10 (4.54)
1,3-Benzodioxole, 5-(1-propenyl)-1	100 (45.4)
1,3-Benzodioxole, 5-(2-propenyl)-	100 (45.4)
1,3-Benzodioxole, 5-propyl-	10 (4.54)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-	1000 (454)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate	100 (45.4)
Benzo[b]fluoranthene	1 (0.454)
Benzo[k]fluoranthene	5000 (2270)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-	10 (4.54)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate	10 (4.54)
Benzoic acid	5000 (2270)
Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo [2,3-b]indol-5-yl methylcarbamate ester (1:1)	100 (45.4)
Benzonitrile	5000 (2270)
Benzo[rs]pentaphene	10 (4.54)
Benzo[ghi]perylene	5000 (2270)
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts	100 (45.4)
Benzo[a]pyrene	1 (0.454)
3,4-Benzopyrene	1 (0.454)
p-Benzoquinone	10 (4.54)
Benzotrichloride	10 (4.54)
Benzoyl chloride	1000 (454)
Benzyl chloride	100 (45.4)
Beryllium $\epsilon$	10 (4.54)
Beryllium chloride	1 (0.454)
Beryllium fluoride	1 (0.454)
Beryllium nitrate	1 (0.454)
Beryllium powder $\epsilon$	10 (4.54)
alpha-BHC	10 (4.54)
beta-BHC	1 (0.454)
delta-BHC	1 (0.454)
gamma-BHC	1 (0.454)
2,2'-Bioxirane	10 (4.54)
Biphenyl	100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dichloro-	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy-	100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl-	10 (4.54)
Bis(2-chloroethoxy) methane	1000 (454)
Bis(2-chloroethyl) ether	10 (4.54)
Bis(chloromethyl) ether	10 (4.54)
Bis(2-ethylhexyl) phthalate	100 (45.4)

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
2-Propanone	5000 (2270)
2-Propanone, 1-bromo-	1000 (454)
Propargite	10 (4.54)
Propargyl alcohol	1000 (454)
2-Propenal	1 (0.454)
2-Propenamide	5000 (2270)
1-Propene, 1,3-dichloro-	100 (45.4)
1-Propene, 1,1,2,3,3,3-hexachloro-	1000 (454)
2-Propenenitrile	100 (45.4)
2-Propenenitrile, 2-methyl-	1000 (454)
2-Propenoic acid	5000 (2270)
2-Propenoic acid, ethyl ester	1000 (454)
2-Propenoic acid, 2-methyl-, ethyl ester	1000 (454)
2-Propenoic acid, 2-methyl-, methyl ester	1000 (454)
2-Propen-1-ol	100 (45.4)
Propham	1000 (454)
beta-Propiolactone	10 (4.54)
Propionaldehyde	1000 (454)
Propionic acid	5000 (2270)
Propionic anhydride	5000 (2270)
Propoxur (Baygon)	100 (45.4)
n-Propylamine	5000 (2270)
Propylene dichloride	1000 (454)
Propylene oxide	100 (45.4)
1,2-Propylenimine	1 (0.454)
2-Propyn-1-ol	1000 (454)
Prosulfocarb	5000 (2270)
Pyrene	5000 (2270)
Pyrethrins	1 (0.454)
3,6-Pyridazinedione, 1,2-dihydro-	5000 (2270)
4-Pyridinamine	1000 (454)
Pyridine	1000 (454)
Pyridine, 2-methyl-	5000 (2270)
Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts	100 (45.4)
2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	10 (4.54)
4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	10 (4.54)
Pyrrolidine, 1-nitroso-	1 (0.454)
Pyrrolo[2,3-b] indol-5-ol,1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)-	100 (45.4)
Quinoline	5000 (2270)
Quinone	10 (4.54)
Quintobenzene	100 (45.4)
RADIONUCLIDES	See Table 2
Reserpine	5000 (2270)
Resorcinol	5000 (2270)
Safrole	100 (45.4)
Selenious acid	10 (4.54)
Selenious acid, dithallium (1+) salt	1000 (454)
Selenium e	100 (45.4)
Selenium dioxide	10 (4.54)
Selenium oxide	10 (4.54)
Selenium sulfide SeS2	10 (4.54)
Selenourea	1000 (454)
L-Serine, diazoacetate (ester)	1 (0.454)
Silver e	1000 (454)
Silver cyanide Ag(CN)	1 (0.454)
Silver nitrate	1 (0.454)
Silvex (2,4,5-TP)	100 (45.4)
Sodium	10 (4.54)
Sodium arsenate	1 (0.454)
Sodium arsenite	1 (0.454)
Sodium azide	1000 (454)
Sodium bichromate	10 (4.54)
Sodium bifluoride	100 (45.4)
Sodium bisulfite	5000 (2270)
Sodium chromate	10 (4.54)
Sodium cyanide Na(CN)	10 (4.54)
Sodium dodecylbenzenesulfonate	1000 (454)
Sodium fluoride	1000 (454)
Sodium hydrosulfide	5000 (2270)
Sodium hydroxide	1000 (454)

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

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

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
p-Toluidine .....	100 (45.4)
o-Toluidine hydrochloride .....	100 (45.4)
Toxaphene .....	1 (0.454)
2,4,5-TP acid .....	100 (45.4)
2,4,5-TP esters .....	100 (45.4)
Triallate .....	100 (45.4)
1H-1,2,4-Triazol-3-amine .....	10 (4.54)
Trichlorfon .....	100 (45.4)
1,2,4-Trichlorobenzene .....	100 (45.4)
1,1,1-Trichloroethane .....	1000 (454)
1,1,2-Trichloroethane .....	100 (45.4)
Trichloroethylene .....	100 (45.4)
Trichloromethanesulfonyl chloride .....	100 (45.4)
Trichloromonofluoromethane .....	5000 (2270)
Trichlorophenol .....	10 (4.54)
2,3,4-Trichlorophenol .....	
2,3,5-Trichlorophenol .....	
2,3,6-Trichlorophenol .....	
3,4,5-Trichlorophenol .....	
2,4,5-Trichlorophenol .....	10 (4.54)
2,4,6-Trichlorophenol .....	10 (4.54)
Triethanolamine dodecylbenzenesulfonate .....	1000 (454)
Triethylamine .....	5000 (2270)
Trifluralin .....	10 (4.54)
Trimethylamine .....	100 (45.4)
2,2,4-Trimethylpentane .....	1000 (454)
1,3,5-Trinitrobenzene .....	10 (4.54)
1,3,5-Trioxane, 2,4,6-trimethyl- .....	1000 (454)
Tris(2,3-dibromopropyl) phosphate .....	10 (4.54)
Trypan blue .....	10 (4.54)
D002 Unlisted Hazardous Wastes Characteristic of Corrosivity .....	100 (45.4)
D001 Unlisted Hazardous Wastes Characteristic of Ignitability .....	100 (45.4)
D003 Unlisted Hazardous Wastes Characteristic of Reactivity .....	100 (45.4)
D004–D043 Unlisted Hazardous Wastes Characteristic of Toxicity:	
Arsenic (D004) .....	1 (0.454)
Barium (D005) .....	1000 (454)
Benzene (D018) .....	10 (4.54)
Cadmium (D006) .....	10 (4.54)
Carbon tetrachloride (D019) .....	10 (4.54)
Chlordane (D020) .....	1 (0.454)
Chlorobenzene (D021) .....	100 (45.4)
Chloroform (D022) .....	10 (4.54)
Chromium (D007) .....	10 (4.54)
o-Cresol (D023) .....	100 (45.4)
m-Cresol (D024) .....	100 (45.4)
p-Cresol (D025) .....	100 (45.4)
Cresol (D026) .....	100 (45.4)
2,4-D (D016) .....	100 (45.4)
1,4-Dichlorobenzene (D027) .....	100 (45.4)
1,2-Dichloroethane (D028) .....	100 (45.4)
1,1-Dichloroethylene (D029) .....	100 (45.4)
2,4-Dinitrotoluene (D030) .....	10 (4.54)
Endrin (D012) .....	1 (0.454)
Heptachlor (and epoxide) (D031) .....	1 (0.454)
Hexachlorobenzene (D032) .....	10 (4.54)
Hexachlorobutadiene (D033) .....	1 (0.454)
Hexachloroethane (D034) .....	100 (45.4)
Lead (D008) .....	10 (4.54)
Lindane (D013) .....	1 (0.454)
Mercury (D009) .....	1 (0.454)
Methoxychlor (D014) .....	1 (0.454)
Methyl ethyl ketone (D035) .....	5000 (2270)
Nitrobenzene (D036) .....	1000 (454)
Pentachlorophenol (D037) .....	10 (4.54)
Pyridine (D038) .....	1000 (454)
Selenium (D010) .....	10 (4.54)
Silver (D011) .....	1 (0.454)
Tetrachloroethylene (D039) .....	100 (45.4)
Toxaphene (D015) .....	1 (0.454)
Trichloroethylene (D040) .....	100 (45.4)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
2,4,5-Trichlorophenol (D041) .....	10 (4.54)
2,4,6-Trichlorophenol (D042) .....	10 (4.54)
2,4,5-TP (D017) .....	100 (45.4)
Vinyl chloride (D043) .....	1 (0.454)
Uracil mustard .....	10 (4.54)
Uranyl acetate .....	100 (45.4)
Uranyl nitrate .....	100 (45.4)
Urea, N-ethyl-N-nitroso- .....	1 (0.454)
Urea, N-methyl-N-nitroso- .....	1 (0.454)
Urethane .....	100 (45.4)
Vanadic acid, ammonium salt .....	1000 (454)
Vanadium oxide V <sub>2</sub> O <sub>5</sub> .....	1000 (454)
Vanadium pentoxide .....	1000 (454)
Vanadyl sulfate .....	1000 (454)
Vinyl acetate .....	5000 (2270)
Vinyl acetate monomer .....	5000 (2270)
Vinylamine, N-methyl-N-nitroso- .....	10 (4.54)
Vinyl bromide .....	100 (45.4)
Vinyl chloride .....	1 (0.454)
Vinylidene chloride .....	100 (45.4)
Warfarin, & salts .....	100 (45.4)
Xylene .....	100 (45.4)
m-Xylene .....	1000 (454)
o-Xylene .....	1000 (454)
p-Xylene .....	100 (45.4)
Xylene (mixed) .....	100 (45.4)
Xylenes (isomers and mixture) .....	100 (45.4)
Xylenol .....	1000 (454)
Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester (3beta,16beta,17alpha,18beta, 20alpha) .....	5000 (2270)
Zinc $\epsilon$ .....	1000 (454)
Zinc acetate .....	1000 (454)
Zinc ammonium chloride .....	1000 (454)
Zinc, bis(dimethylcarbamo-dithioato-S,S')- .....	10 (4.54)
Zinc borate .....	1000 (454)
Zinc bromide .....	1000 (454)
Zinc carbonate .....	1000 (454)
Zinc chloride .....	1000 (454)
Zinc cyanide Zn(CN) <sub>2</sub> .....	10 (4.54)
Zinc fluoride .....	1000 (454)
Zinc formate .....	1000 (454)
Zinc hydrosulfite .....	1000 (454)
Zinc nitrate .....	1000 (454)
Zinc phenolsulfonate .....	5000 (2270)
Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> .....	100 (45.4)
Zinc silicofluoride .....	5000 (2270)
Zinc sulfate .....	1000 (454)
Ziram .....	10 (4.54)
Zirconium nitrate .....	5000 (2270)
Zirconium potassium fluoride .....	1000 (454)
Zirconium sulfate .....	5000 (2270)
Zirconium tetrachloride .....	5000 (2270)
F001 .....	10 (4.54)
(a) Tetrachloroethylene .....	100 (45.4)
(b) Trichloroethylene .....	100 (45.4)
(c) Methylene chloride .....	1000 (454)
(d) 1,1,1-Trichloroethane .....	1000 (454)
(e) Carbon tetrachloride .....	10 (4.54)
(f) Chlorinated fluorocarbons .....	5000 (2270)
F002 .....	10 (4.54)
(a) Tetrachloroethylene .....	100 (45.4)
(b) Methylene chloride .....	1000 (454)
(c) Trichloroethylene .....	100 (45.4)
(d) 1,1,1-Trichloroethane .....	1000 (454)
(e) Chlorobenzene .....	100 (45.4)
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane .....	5000 (2270)
(g) o-Dichlorobenzene .....	100 (45.4)
(h) Trichlorofluoromethane .....	5000 (2270)
(i) 1,1,2-Trichloroethane .....	100 (45.4)
F003 .....	100 (45.4)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
(a) Xylene .....	1000 (454)
(b) Acetone .....	5000 (2270)
(c) Ethyl acetate .....	5000 (2270)
(d) Ethylbenzene .....	1000 (454)
(e) Ethyl ether .....	100 (45.4)
(f) Methyl isobutyl ketone .....	5000 (2270)
(g) n-Butyl alcohol .....	5000 (2270)
(h) Cyclohexanone .....	5000 (2270)
(i) Methanol .....	5000 (2270)
F004 .....	100 (45.4)
(a) Cresols/Cresylic acid .....	100 (45.4)
(b) Nitrobenzene .....	1000 (454)
F005 .....	100 (45.4)
(a) Toluene .....	1000 (454)
(b) Methyl ethyl ketone .....	5000 (2270)
(c) Carbon disulfide .....	100 (45.4)
(d) Isobutanol .....	5000 (2270)
(e) Pyridine .....	1000 (454)
F006 .....	10 (4.54)
F007 .....	10 (4.54)
F008 .....	10 (4.54)
F009 .....	10 (4.54)
F010 .....	10 (4.54)
F011 .....	10 (4.54)
F012 .....	10 (4.54)
F019 .....	10 (4.54)
F020 .....	1 (0.454)
F021 .....	1 (0.454)
F022 .....	1 (0.454)
F023 .....	1 (0.454)
F024 .....	1 (0.454)
F025 .....	1 (0.454)
F026 .....	1 (0.454)
F027 .....	1 (0.454)
F028 .....	1 (0.454)
F032 .....	1 (0.454)
F034 .....	1 (0.454)
F035 .....	1 (0.454)
F037 .....	1 (0.454)
F038 .....	1 (0.454)
F039 .....	1 (0.454)
K001 .....	1 (0.454)
K002 .....	10 (4.54)
K003 .....	10 (4.54)
K004 .....	10 (4.54)
K005 .....	10 (4.54)
K006 .....	10 (4.54)
K007 .....	10 (4.54)
K008 .....	10 (4.54)
K009 .....	10 (4.54)
K010 .....	10 (4.54)
K011 .....	10 (4.54)
K013 .....	10 (4.54)
K014 .....	5000 (2270)
K015 .....	10 (4.54)
K016 .....	1 (0.454)
K017 .....	10 (4.54)
K018 .....	1 (0.454)
K019 .....	1 (0.454)
K020 .....	1 (0.454)
K021 .....	10 (4.54)
K022 .....	1 (0.454)
K023 .....	5000 (2270)
K024 .....	5000 (2270)
K025 .....	10 (4.54)
K026 .....	1000 (454)
K027 .....	10 (4.54)
K028 .....	1 (0.454)
K029 .....	1 (0.454)
K030 .....	1 (0.454)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
K031	1 (0.454)
K032	10 (4.54)
K033	10 (4.54)
K034	10 (4.54)
K035	1 (0.454)
K036	1 (0.454)
K037	1 (0.454)
K038	10 (4.54)
K039	10 (4.54)
K040	10 (4.54)
K041	1 (0.454)
K042	10 (4.54)
K043	10 (4.54)
K044	10 (4.54)
K045	10 (4.54)
K046	10 (4.54)
K047	10 (4.54)
K048	10 (4.54)
K049	10 (4.54)
K050	10 (4.54)
K051	10 (4.54)
K052	10 (4.54)
K060	1 (0.454)
K061	10 (4.54)
K062	10 (4.54)
K064	10 (4.54)
K065	10 (4.54)
K066	10 (4.54)
K069	10 (4.54)
K071	1 (0.454)
K073	10 (4.54)
K083	100 (45.4)
K084	1 (0.454)
K085	10 (4.54)
K086	10 (4.54)
K087	100 (45.4)
K088	10 (4.54)
K090	10 (4.54)
K091	10 (4.54)
K093	5000 (2270)
K094	5000 (2270)
K095	100 (45.4)
K096	100 (45.4)
K097	1 (0.454)
K098	1 (0.454)
K099	10 (4.54)
K100	10 (4.54)
K101	1 (0.454)
K102	1 (0.454)
K103	100 (45.4)
K104	10 (4.54)
K105	10 (4.54)
K106	1 (0.454)
K107	10 (4.54)
K108	10 (4.54)
K109	10 (4.54)
K110	10 (4.54)
K111	10 (4.54)
K112	10 (4.54)
K113	10 (4.54)
K114	10 (4.54)
K115	10 (4.54)
K116	10 (4.54)
K117	1 (0.454)
K118	1 (0.454)
K123	10 (4.54)
K124	10 (4.54)
K125	10 (4.54)
K126	10 (4.54)
K131	100 (45.4)

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

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

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

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

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

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

LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

TABLE 2 TO APPENDIX A—RADIONUCLIDES

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Actinium-224	89	100 (3.7)
Actinium-225	89	1 (.037)
Actinium-226	89	10 (.37)
Actinium-227	89	0.001 (.00037)
Actinium-228	89	10 (.37)
Aluminum-26	13	10 (.37)
Americium-237	95	1000 (37)
Americium-238	95	100 (3.7)
Americium-239	95	100 (3.7)
Americium-240	95	10 (.37)
Americium-241	95	0.01 (.00037)
Americium-242	95	100 (3.7)
Americium-242m	95	0.01 (.00037)
Americium-243	95	0.01 (.00037)
Americium-244	95	10 (.37)
Americium-244m	95	1000 (37)
Americium-245	95	1000 (37)
Americium-246	95	1000 (37)
Americium-246m	95	1000 (37)
Antimony-115	51	1000 (37)
Antimony-116	51	1000 (37)
Antimony-116m	51	100 (3.7)
Antimony-117	51	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Antimony-118m	51	10 (.37)
Antimony-119	51	1000 (37)
Antimony-120 (16 min)	51	1000 (37)
Antimony-120 (5.76 day)	51	10 (.37)
Antimony-122	51	10 (.37)
Antimony-124	51	10 (.37)
Antimony-124m	51	1000 (37)
Antimony-125	51	10 (.37)
Antimony-126	51	10 (.37)
Antimony-126m	51	1000 (37)
Antimony-127	51	10 (.37)
Antimony-128 (10.4 min)	51	1000 (37)
Antimony-128 (9.01 hr)	51	10 (.37)
Antimony-129	51	100 (3.7)
Antimony-130	51	100 (3.7)
Antimony-131	51	1000 (37)
Argon-39	18	1000 (37)
Argon-41	18	10 (.37)
Arsenic-69	33	1000 (37)
Arsenic-70	33	100 (3.7)
Arsenic-71	33	100 (3.7)
Arsenic-72	33	10 (.37)
Arsenic-73	33	100 (3.7)
Arsenic-74	33	10 (.37)
Arsenic-76	33	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)
Arsenic-77	33	1000 (37)
Arsenic-78	33	100 (3.7)
Astatine-207	85	100 (3.7)
Astatine-211	85	100 (3.7)
Barium-126	56	1000 (37)
Barium-128	56	10 (.37)
Barium-131	56	10 (.37)
Barium-131m	56	1000 (37)
Barium-133	56	10 (.37)
Barium-133m	56	100 (3.7)
Barium-135m	56	1000 (37)
Barium-139	56	1000 (37)
Barium-140	56	10 (.37)
Barium-141	56	1000 (37)
Barium-142	56	1000 (37)
Berkelium-245	97	100 (3.7)
Berkelium-246	97	10 (.37)
Berkelium-247	97	0.01 (.00037)
Berkelium-249	97	1 (.037)
Berkelium-250	97	100 (3.7)
Beryllium-10	4	1 (.037)
Beryllium-7	4	100 (3.7)
Bismuth-200	83	100 (3.7)
Bismuth-201	83	100 (3.7)
Bismuth-202	83	1000 (37)
Bismuth-203	83	10 (.37)
Bismuth-205	83	10 (.37)
Bismuth-206	83	10 (.37)
Bismuth-207	83	10 (.37)
Bismuth-210	83	10 (.37)
Bismuth-210m	83	0.1 (.0037)
Bismuth-212	83	100 (3.7)
Bismuth-213	83	100 (3.7)
Bismuth-214	83	100 (3.7)
Bromine-74	35	100 (3.7)
Bromine-74m	35	100 (3.7)
Bromine-75	35	100 (3.7)
Bromine-76	35	10 (.37)
Bromine-77	35	100 (3.7)
Bromine-80	35	1000 (37)
Bromine-80m	35	1000 (37)
Bromine-82	35	10 (.37)
Bromine-83	35	1000 (37)
Bromine-84	35	100 (3.7)
Cadmium-104	48	1000 (37)
Cadmium-107	48	1000 (37)
Cadmium-109	48	1 (.037)
Cadmium-113	48	0.1 (.0037)
Cadmium-113m	48	0.1 (.0037)
Cadmium-115	48	100 (3.7)
Cadmium-115m	48	10 (.37)
Cadmium-117	48	100 (3.7)
Cadmium-117m	48	10 (.37)
Calcium-41	20	10 (.37)
Calcium-45	20	10 (.37)
Calcium-47	20	10 (.37)
Californium-244	98	1000 (37)
Californium-246	98	10 (.37)
Californium-248	98	0.1 (.0037)
Californium-249	98	0.01 (.00037)
Californium-250	98	0.01 (.00037)
Californium-251	98	0.01 (.00037)
Californium-252	98	0.1 (.0037)
Californium-253	98	10 (.37)
Californium-254	98	0.1 (.0037)
Carbon-11	6	1000 (37)
Carbon-14	6	10 (.37)
Cerium-134	58	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)— Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Cerium-135	58	10 (.37)
Cerium-137	58	1000 (37)
Cerium-137m	58	100 (3.7)
Cerium-139	58	100 (3.7)
Cerium-141	58	10 (.37)
Cerium-143	58	100 (3.7)
Cerium-144	58	1 (.037)
Cesium-125	55	1000 (37)
Cesium-127	55	100 (3.7)
Cesium-129	55	100 (3.7)
Cesium-130	55	1000 (37)
Cesium-131	55	1000 (37)
Cesium-132	55	10 (.37)
Cesium-134	55	1 (.037)
Cesium-134m	55	1000 (37)
Cesium-135	55	10 (.37)
Cesium-135m	55	100 (3.7)
Cesium-136	55	10 (.37)
Cesium-137	55	1 (.037)
Cesium-138	55	100 (3.7)
Chlorine-36	17	10 (.37)
Chlorine-38	17	100 (3.7)
Chlorine-39	17	100 (3.7)
Chromium-48	24	100 (3.7)
Chromium-49	24	1000 (37)
Chromium-51	24	1000 (37)
Cobalt-55	27	10 (.37)
Cobalt-56	27	10 (.37)
Cobalt-57	27	100 (3.7)
Cobalt-58	27	10 (.37)
Cobalt-58m	27	1000 (37)
Cobalt-60	27	10 (.37)
Cobalt-60m	27	1000 (37)
Cobalt-61	27	1000 (37)
Cobalt-62m	27	1000 (37)
Copper-60	29	100 (3.7)
Copper-61	29	100 (3.7)
Copper-64	29	1000 (37)
Copper-67	29	100 (3.7)
Curium-238	96	1000 (37)
Curium-240	96	1 (.037)
Curium-241	96	10 (.37)
Curium-242	96	1 (.037)
Curium-243	96	0.01 (.00037)
Curium-244	96	0.01 (.00037)
Curium-245	96	0.01 (.00037)
Curium-246	96	0.01 (.00037)
Curium-247	96	0.01 (.00037)
Curium-248	96	0.001 (.000037)
Curium-249	96	1000 (37)
Dysprosium-155	66	100 (3.7)
Dysprosium-157	66	100 (3.7)
Dysprosium-159	66	100 (3.7)
Dysprosium-165	66	1000 (37)
Dysprosium-166	66	10 (.37)
Einsteinium-250	99	10 (.37)
Einsteinium-251	99	1000 (37)
Einsteinium-253	99	10 (.37)
Einsteinium-254	99	0.1 (.0037)
Einsteinium-254m	99	1 (.037)
Erbium-161	68	100 (3.7)
Erbium-165	68	1000 (37)
Erbium-169	68	100 (3.7)
Erbium-171	68	100 (3.7)
Erbium-172	68	10 (.37)
Europium-145	63	10 (.37)
Europium-146	63	10 (.37)
Europium-147	63	10 (.37)

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Europium-148	63	10 (.37)
Europium-149	63	100 (3.7)
Europium-150 (12.6 hr)	63	1000 (37)
Europium-150 (34.2 yr)	63	10 (.37)
Europium-152	63	10 (.37)
Europium-152m	63	100 (3.7)
Europium-154	63	10 (.37)
Europium-155	63	10 (.37)
Europium-156	63	10 (.37)
Europium-157	63	10 (.37)
Europium-158	63	1000 (37)
Fermium-252	100	10 (.37)
Fermium-253	100	10 (.37)
Fermium-254	100	100 (3.7)
Fermium-255	100	100 (3.7)
Fermium-257	100	1 (.037)
Fluorine-18	9	1000 (37)
Francium-222	87	100 (3.7)
Francium-223	87	100 (3.7)
Gadolinium-145	64	100 (3.7)
Gadolinium-146	64	10 (.37)
Gadolinium-147	64	10 (.37)
Gadolinium-148	64	0.001 (.000037)
Gadolinium-149	64	100 (3.7)
Gadolinium-151	64	100 (3.7)
Gadolinium-152	64	0.001 (.000037)
Gadolinium-153	64	10 (.37)
Gadolinium-159	64	1000 (37)
Gallium-65	31	1000 (37)
Gallium-66	31	10 (.37)
Gallium-67	31	100 (3.7)
Gallium-68	31	1000 (37)
Gallium-70	31	1000 (37)
Gallium-72	31	10 (.37)
Gallium-73	31	100 (3.7)
Germanium-66	32	100 (3.7)
Germanium-67	32	1000 (37)
Germanium-68	32	10 (.37)
Germanium-69	32	10 (.37)
Germanium-71	32	1000 (37)
Germanium-75	32	1000 (37)
Germanium-77	32	10 (.37)
Germanium-78	32	1000 (37)
Gold-193	79	100 (3.7)
Gold-194	79	10 (.37)
Gold-195	79	100 (3.7)
Gold-198	79	100 (3.7)
Gold-198m	79	10 (.37)
Gold-199	79	100 (3.7)
Gold-200	79	1000 (37)
Gold-200m	79	10 (.37)
Gold-201	79	1000 (37)
Hafnium-170	72	100 (3.7)
Hafnium-172	72	1 (.037)
Hafnium-173	72	100 (3.7)
Hafnium-175	72	100 (3.7)
Hafnium-177m	72	1000 (37)
Hafnium-178m	72	0.1 (.0037)
Hafnium-179m	72	100 (3.7)
Hafnium-180m	72	100 (3.7)
Hafnium-181	72	10 (.37)
Hafnium-182	72	0.1 (.0037)
Hafnium-182m	72	100 (3.7)
Hafnium-183	72	100 (3.7)
Hafnium-184	72	100 (3.7)
Holmium-155	67	1000 (37)
Holmium-157	67	1000 (37)
Holmium-159	67	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Holmium-161	67	1000 (37)
Holmium-162	67	1000 (37)
Holmium-162m	67	1000 (37)
Holmium-164	67	1000 (37)
Holmium-164m	67	1000 (37)
Holmium-166	67	100 (3.7)
Holmium-166m	67	1 (.037)
Holmium-167	67	100 (3.7)
Hydrogen-3	1	100 (3.7)
Indium-109	49	100 (3.7)
Indium-110 (4.9 hr)	49	10 (.37)
Indium-110 (69.1 min)	49	100 (3.7)
Indium-111	49	100 (3.7)
Indium-112	49	1000 (37)
Indium-113m	49	1000 (37)
Indium-114m	49	10 (.37)
Indium-115	49	0.1 (.0037)
Indium-115m	49	100 (3.7)
Indium-116m	49	100 (3.7)
Indium-117	49	1000 (37)
Indium-117m	49	100 (3.7)
Indium-119m	49	1000 (37)
Iodine-120	53	10 (.37)
Iodine-120m	53	100 (3.7)
Iodine-121	53	100 (3.7)
Iodine-123	53	10 (.37)
Iodine-124	53	0.1 (.0037)
Iodine-125	53	0.01 (.00037)
Iodine-126	53	0.01 (.00037)
Iodine-128	53	1000 (37)
Iodine-129	53	0.001 (.000037)
Iodine-130	53	1 (.037)
Iodine-131	53	0.01 (.00037)
Iodine-132	53	10 (.37)
Iodine-132m	53	10 (.37)
Iodine-133	53	0.1 (.0037)
Iodine-134	53	100 (3.7)
Iodine-135	53	10 (.37)
Iridium-182	77	1000 (37)
Iridium-184	77	100 (3.7)
Iridium-185	77	100 (3.7)
Iridium-186	77	10 (.37)
Iridium-187	77	100 (3.7)
Iridium-188	77	10 (.37)
Iridium-189	77	100 (3.7)
Iridium-190	77	10 (.37)
Iridium-190m	77	1000 (37)
Iridium-192	77	10 (.37)
Iridium-192m	77	100 (3.7)
Iridium-194	77	100 (3.7)
Iridium-194m	77	10 (.37)
Iridium-195	77	1000 (37)
Iridium-195m	77	100 (3.7)
Iron-52	26	100 (3.7)
Iron-55	26	100 (3.7)
Iron-59	26	10 (.37)
Iron-60	26	0.1 (.0037)
Krypton-74	36	10 (.37)
Krypton-76	36	10 (.37)
Krypton-77	36	10 (.37)
Krypton-79	36	100 (3.7)
Krypton-81	36	1000 (37)
Krypton-83m	36	1000 (37)
Krypton-85	36	1000 (37)
Krypton-85m	36	100 (3.7)
Krypton-87	36	10 (.37)
Krypton-88	36	10 (.37)
Lanthanum-131	57	1000 (37)

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TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Lanthanum-132	57	100 (3.7)
Lanthanum-135	57	1000 (37)
Lanthanum-137	57	10 (.37)
Lanthanum-138	57	1 (.037)
Lanthanum-140	57	10 (.37)
Lanthanum-141	57	1000 (37)
Lanthanum-142	57	100 (3.7)
Lanthanum-143	57	1000 (37)
Lead-195m	82	1000 (37)
Lead-198	82	100 (3.7)
Lead-199	82	100 (3.7)
Lead-200	82	100 (3.7)
Lead-201	82	100 (3.7)
Lead-202	82	1 (.037)
Lead-202m	82	10 (.37)
Lead-203	82	100 (3.7)
Lead-205	82	100 (3.7)
Lead-209	82	1000 (37)
Lead-210	82	0.01 (.00037)
Lead-211	82	100 (3.7)
Lead-212	82	10 (.37)
Lead-214	82	100 (3.7)
Lutetium-169	71	10 (.37)
Lutetium-170	71	10 (.37)
Lutetium-171	71	10 (.37)
Lutetium-172	71	10 (.37)
Lutetium-173	71	100 (3.7)
Lutetium-174	71	10 (.37)
Lutetium-174m	71	10 (.37)
Lutetium-176	71	1 (.037)
Lutetium-176m	71	1000 (37)
Lutetium-177	71	100 (3.7)
Lutetium-177m	71	10 (.37)
Lutetium-178	71	1000 (37)
Lutetium-178m	71	1000 (37)
Lutetium-179	71	1000 (37)
Magnesium-28	12	10 (.37)
Manganese-51	25	1000 (37)
Manganese-52	25	10 (.37)
Manganese-52m	25	1000 (37)
Manganese-53	25	1000 (37)
Manganese-54	25	10 (.37)
Manganese-56	25	100 (3.7)
Mendelevium-257	101	100 (3.7)
Mendelevium-258	101	1 (.037)
Mercury-193	80	100 (3.7)
Mercury-193m	80	10 (.37)
Mercury-194	80	0.1 (.0037)
Mercury-195	80	100 (3.7)
Mercury-195m	80	100 (3.7)
Mercury-197	80	1000 (37)
Mercury-197m	80	1000 (37)
Mercury-199m	80	1000 (37)
Mercury-203	80	10 (.37)
Molybdenum-101	42	1000 (37)
Molybdenum-90	42	100 (3.7)
Molybdenum-93	42	100 (3.7)
Molybdenum-93m	42	10 (.37)
Molybdenum-99	42	100 (3.7)
Neodymium-136	60	1000 (37)
Neodymium-138	60	1000 (37)
Neodymium-139	60	1000 (37)
Neodymium-139m	60	100 (3.7)
Neodymium-141	60	1000 (37)
Neodymium-147	60	10 (.37)
Neodymium-149	60	100 (3.7)
Neodymium-151	60	1000 (37)
Neptunium-232	93	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Neptunium-233	93	1000 (37)
Neptunium-234	93	10 (.37)
Neptunium-235	93	1000 (37)
Neptunium-236 (1.2 E 5 yr)	93	0.1 (.0037)
Neptunium-236 (22.5 hr)	93	100 (3.7)
Neptunium-237	93	0.01 (.00037)
Neptunium-238	93	10 (.37)
Neptunium-239	93	100 (3.7)
Neptunium-240	93	100 (3.7)
Nickel-56	28	10 (.37)
Nickel-57	28	10 (.37)
Nickel-59	28	100 (3.7)
Nickel-63	28	100 (3.7)
Nickel-65	28	100 (3.7)
Nickel-66	28	10 (.37)
Niobium-88	41	100 (3.7)
Niobium-89 (122 min)	41	100 (3.7)
Niobium-89 (66 min)	41	100 (3.7)
Niobium-90	41	10 (.37)
Niobium-93m	41	100 (3.7)
Niobium-94	41	10 (.37)
Niobium-95	41	10 (.37)
Niobium-95m	41	100 (3.7)
Niobium-96	41	10 (.37)
Niobium-97	41	100 (3.7)
Niobium-98	41	1000 (37)
Osmium-180	76	1000 (37)
Osmium-181	76	100 (3.7)
Osmium-182	76	100 (3.7)
Osmium-185	76	10 (.37)
Osmium-189m	76	1000 (37)
Osmium-191	76	100 (3.7)
Osmium-191m	76	1000 (37)
Osmium-193	76	100 (3.7)
Osmium-194	76	1 (.037)
Palladium-100	46	100 (3.7)
Palladium-101	46	100 (3.7)
Palladium-103	46	100 (3.7)
Palladium-107	46	100 (3.7)
Palladium-109	46	1000 (37)
Phosphorus-32	15	0.1 (.0037)
Phosphorus-33	15	1 (.037)
Platinum-186	78	100 (3.7)
Platinum-188	78	100 (3.7)
Platinum-189	78	100 (3.7)
Platinum-191	78	100 (3.7)
Platinum-193	78	1000 (37)
Platinum-193m	78	100 (3.7)
Platinum-195m	78	100 (3.7)
Platinum-197	78	1000 (37)
Platinum-197m	78	1000 (37)
Platinum-199	78	1000 (37)
Platinum-200	78	100 (3.7)
Plutonium-234	94	1000 (37)
Plutonium-235	94	1000 (37)
Plutonium-236	94	0.1 (.0037)
Plutonium-237	94	1000 (37)
Plutonium-238	94	0.01 (.00037)
Plutonium-239	94	0.01 (.00037)
Plutonium-240	94	0.01 (.00037)
Plutonium-241	94	1 (.037)
Plutonium-242	94	0.01 (.00037)
Plutonium-243	94	1000 (37)
Plutonium-244	94	0.01 (.00037)
Plutonium-245	94	100 (3.7)
Polonium-203	84	100 (3.7)
Polonium-205	84	100 (3.7)
Polonium-207	84	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Polonium-210 .....	84	0.01 (.00037)
Potassium-40 .....	19	1 (.037)
Potassium-42 .....	19	100 (3.7)
Potassium-43 .....	19	10 (.37)
Potassium-44 .....	19	100 (3.7)
Potassium-45 .....	19	1000 (37)
Praseodymium-136 .....	59	1000 (37)
Praseodymium-137 .....	59	1000 (37)
Praseodymium-138m .....	59	100 (3.7)
Praseodymium-139 .....	59	1000 (37)
Praseodymium-142 .....	59	100 (3.7)
Praseodymium-142m .....	59	1000 (37)
Praseodymium-143 .....	59	10 (.37)
Praseodymium-144 .....	59	1000 (37)
Praseodymium-145 .....	59	1000 (37)
Praseodymium-147 .....	59	1000 (37)
Promethium-141 .....	61	1000 (37)
Promethium-143 .....	61	100 (3.7)
Promethium-144 .....	61	10 (.37)
Promethium-145 .....	61	100 (3.7)
Promethium-146 .....	61	10 (.37)
Promethium-147 .....	61	10 (.37)
Promethium-148 .....	61	10 (.37)
Promethium-148m .....	61	10 (.37)
Promethium-149 .....	61	100 (3.7)
Promethium-150 .....	61	100 (3.7)
Promethium-151 .....	61	100 (3.7)
Protactinium-227 .....	91	100 (3.7)
Protactinium-228 .....	91	10 (.37)
Protactinium-230 .....	91	10 (.37)
Protactinium-231 .....	91	0.01 (.00037)
Protactinium-232 .....	91	10 (.37)
Protactinium-233 .....	91	100 (3.7)
Protactinium-234 .....	91	10 (.37)
RADIONUCLIDES \$†		1 (.037)
Radium-223 .....	88	1 (.037)
Radium-224 .....	88	10 (.37)
Radium-225 .....	88	1 (.037)
Radium-226 ** .....	88	0.1 (.0037)
Radium-227 .....	88	1000 (37)
Radium-228 .....	88	0.1 (.0037)
Radon-220 .....	86	0.1 (.0037)
Radon-222 .....	86	0.1 (.0037)
Rhenium-177 .....	75	1000 (37)
Rhenium-178 .....	75	1000 (37)
Rhenium-181 .....	75	100 (3.7)
Rhenium-182 (12.7 hr) .....	75	10 (.37)
Rhenium-182 (64.0 hr) .....	75	10 (.37)
Rhenium-184 .....	75	10 (.37)
Rhenium-184m .....	75	10 (.37)
Rhenium-186 .....	75	100 (3.7)
Rhenium-186m .....	75	10 (.37)
Rhenium-187 .....	75	1000 (37)
Rhenium-188 .....	75	1000 (37)
Rhenium-188m .....	75	1000 (37)
Rhenium-189 .....	75	1000 (37)
Rhodium-100 .....	45	10 (.37)
Rhodium-101 .....	45	10 (.37)
Rhodium-101m .....	45	100 (3.7)
Rhodium-102 .....	45	10 (.37)
Rhodium-102m .....	45	10 (.37)
Rhodium-103m .....	45	1000 (37)
Rhodium-105 .....	45	100 (3.7)
Rhodium-106m .....	45	10 (.37)
Rhodium-107 .....	45	1000 (37)
Rhodium-99 .....	45	10 (.37)
Rhodium-99m .....	45	100 (3.7)
Rubidium-79 .....	37	1000 (37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Rubidium-81 .....	37	100 (3.7)
Rubidium-81m .....	37	1000 (37)
Rubidium-82m .....	37	10 (.37)
Rubidium-83 .....	37	10 (.37)
Rubidium-84 .....	37	10 (.37)
Rubidium-86 .....	37	10 (.37)
Rubidium-87 .....	37	10 (.37)
Rubidium-88 .....	37	1000 (37)
Rubidium-89 .....	37	1000 (37)
Ruthenium-103 .....	44	10 (.37)
Ruthenium-105 .....	44	100 (3.7)
Ruthenium-106 .....	44	1 (.037)
Ruthenium-94 .....	44	1000 (37)
Ruthenium-97 .....	44	100 (3.7)
Samarium-141 .....	62	1000 (37)
Samarium-141m .....	62	1000 (37)
Samarium-142 .....	62	1000 (37)
Samarium-145 .....	62	100 (3.7)
Samarium-146 .....	62	0.01 (.00037)
Samarium-147 .....	62	0.01 (.00037)
Samarium-151 .....	62	10 (.37)
Samarium-153 .....	62	100 (3.7)
Samarium-155 .....	62	1000 (37)
Samarium-156 .....	62	100 (3.7)
Scandium-43 .....	21	1000 (37)
Scandium-44 .....	21	100 (3.7)
Scandium-44m .....	21	10 (.37)
Scandium-46 .....	21	10 (.37)
Scandium-47 .....	21	100 (3.7)
Scandium-48 .....	21	10 (.37)
Scandium-49 .....	21	1000 (37)
Selenium-70 .....	34	1000 (37)
Selenium-73 .....	34	10 (.37)
Selenium-73m .....	34	100 (3.7)
Selenium-75 .....	34	10 (.37)
Selenium-79 .....	34	10 (.37)
Selenium-81 .....	34	1000 (37)
Selenium-81m .....	34	1000 (37)
Selenium-83 .....	34	1000 (37)
Silicon-31 .....	14	1000 (37)
Silicon-32 .....	14	1 (.037)
Silver-102 .....	47	100 (3.7)
Silver-103 .....	47	1000 (37)
Silver-104 .....	47	1000 (37)
Silver-104m .....	47	1000 (37)
Silver-105 .....	47	10 (.37)
Silver-106 .....	47	1000 (37)
Silver-106m .....	47	10 (.37)
Silver-108m .....	47	10 (.37)
Silver-110m .....	47	10 (.37)
Silver-111 .....	47	10 (.37)
Silver-112 .....	47	100 (3.7)
Silver-115 .....	47	1000 (37)
Sodium-22 .....	11	10 (.37)
Sodium-24 .....	11	10 (.37)
Strontium-80 .....	38	100 (3.7)
Strontium-81 .....	38	1000 (37)
Strontium-83 .....	38	100 (3.7)
Strontium-85 .....	38	10 (.37)
Strontium-85m .....	38	1000 (37)
Strontium-87m .....	38	100 (3.7)
Strontium-89 .....	38	10 (.37)
Strontium-90 .....	38	0.1 (.0037)
Strontium-91 .....	38	10 (.37)
Strontium-92 .....	38	100 (3.7)
Sulfur-35 .....	16	1 (.037)
Tantalum-172 .....	73	100 (3.7)
Tantalum-173 .....	73	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)
Tantalum-174	73	100 (3.7)
Tantalum-175	73	100 (3.7)
Tantalum-176	73	10 (.37)
Tantalum-177	73	1000 (37)
Tantalum-178	73	1000 (37)
Tantalum-179	73	1000 (37)
Tantalum-180	73	100 (3.7)
Tantalum-180m	73	1000 (37)
Tantalum-182	73	10 (.37)
Tantalum-182m	73	1000 (37)
Tantalum-183	73	100 (3.7)
Tantalum-184	73	10 (.37)
Tantalum-185	73	1000 (37)
Tantalum-186	73	1000 (37)
Technetium-101	43	1000 (37)
Technetium-104	43	1000 (37)
Technetium-93	43	100 (3.7)
Technetium-93m	43	1000 (37)
Technetium-94	43	10 (.37)
Technetium-94m	43	100 (3.7)
Technetium-96	43	10 (.37)
Technetium-96m	43	1000 (37)
Technetium-97	43	100 (3.7)
Technetium-97m	43	100 (3.7)
Technetium-98	43	10 (.37)
Technetium-99	43	10 (.37)
Technetium-99m	43	100 (3.7)
Tellurium-116	52	1000 (37)
Tellurium-121	52	10 (.37)
Tellurium-121m	52	10 (.37)
Tellurium-123	52	10 (.37)
Tellurium-123m	52	10 (.37)
Tellurium-125m	52	10 (.37)
Tellurium-127	52	1000 (37)
Tellurium-127m	52	10 (.37)
Tellurium-129	52	1000 (37)
Tellurium-129m	52	10 (.37)
Tellurium-131	52	1000 (37)
Tellurium-131m	52	10 (.37)
Tellurium-132	52	10 (.37)
Tellurium-133	52	1000 (37)
Tellurium-133m	52	1000 (37)
Tellurium-134	52	1000 (37)
Terbium-147	65	100 (3.7)
Terbium-149	65	100 (3.7)
Terbium-150	65	100 (3.7)
Terbium-151	65	10 (.37)
Terbium-153	65	100 (3.7)
Terbium-154	65	10 (.37)
Terbium-155	65	100 (3.7)
Terbium-156	65	10 (.37)
Terbium-156m (24.4 hr)	65	1000 (37)
Terbium-156m (5.0 hr)	65	1000 (37)
Terbium-157	65	100 (3.7)
Terbium-158	65	10 (.37)
Terbium-160	65	10 (.37)
Terbium-161	65	100 (3.7)
Thallium-194	81	1000 (37)
Thallium-194m	81	100 (3.7)
Thallium-195	81	100 (3.7)
Thallium-197	81	100 (3.7)
Thallium-198	81	10 (.37)
Thallium-198m	81	100 (3.7)
Thallium-199	81	100 (3.7)
Thallium-200	81	10 (.37)
Thallium-201	81	1000 (37)
Thallium-202	81	10 (.37)
Thallium-204	81	10 (.37)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

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

TABLE 2 TO APPENDIX A—RADIONUCLIDES—  
Continued

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
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 (3.7)
Xenon-138	54	10 (3.7)
Ytterbium-162	70	1000 (37)
Ytterbium-166	70	10 (3.7)
Ytterbium-167	70	1000 (37)
Ytterbium-169	70	10 (3.7)
Ytterbium-175	70	100 (3.7)
Ytterbium-177	70	1000 (37)
Ytterbium-178	70	1000 (37)
Yttrium-86	39	10 (3.7)
Yttrium-86m	39	1000 (37)
Yttrium-87	39	10 (3.7)
Yttrium-88	39	10 (3.7)
Yttrium-90	39	10 (3.7)
Yttrium-90m	39	100 (3.7)
Yttrium-91	39	10 (3.7)
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 (3.7)
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 (3.7)
Zirconium-89	40	100 (3.7)
Zirconium-93	40	1 (.037)
Zirconium-95	40	10 (3.7)
Zirconium-97	40	10 (3.7)

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

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

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

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

APPENDIX B TO § 172.101—LIST OF MARINE POLLUTANTS

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

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

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

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

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

LIST OF MARINE POLLUTANTS

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

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LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	Aminocarb
	Ammonium dinitro-o-cresolate
PP	n-Amylbenzene
PP	Azinphos-ethyl
	Azinphos-methyl
	Barium cyanide
	Bendiocarb
	Benomyl
	Benquinox
	Benzyl chlorocarbonate
	Benzyl chloroformate
PP	Binapacryl
	<i>N,N</i> -Bis (2-hydroxyethyl) oleamide (LOA)
PP	Brodifacoum
	Bromine cyanide
	Bromoacetone
	Bromoallylene
	Bromobenzene
	ortho-Bromobenzyl cyanide
	Bromocycane
	Bromoform
PP	Bromophos-ethyl
	3-Bromopropene
	Bromoxynil
	Butanedione
	2-Butenal, stabilized
	Butyl benzyl phthalate
	<i>N-tert</i> -butyl- <i>N</i> -cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
PP	2,4-Di- <i>tert</i> -butylphenol
	2, 6-Di- <i>tert</i> -Butylphenol
PP	para-tertiary-butyltoluene
	Cadmium compounds
	Cadmium sulphide
	Calcium arsenate
	Calcium arsenate and calcium arsenite, mixtures, solid
PP	Calcium cyanide
	Camphchlor
	Carbaryl
	Carbendazim
	Carbofuran
	Carbon tetrabromide
	Carbon tetrachloride
PP	Carbophenothion
	Cartap hydrochloride
PP	Chlordane
	Chlorfenvinphos
PP	Chlorinated paraffins (C-10 - C-13)
PP	Chlorinated paraffins (C14–C17), with more than 1% shorter chain length
	Chlorine
	Chlorine cyanide, inhibited
	Chlormephos
	Chloroacetone, stabilized
	1-Chloro-2,3-Epoxypropane
	2-Chloro-6-nitrotoluene
	4-Chloro-2-nitrotoluene
	Chloro-ortho-nitrotoluene
	2-Chloro-5-trifluoromethylnitrobenzene
	para-Chlorobenzyl chloride, liquid or solid
	Chlorodinitrobenzenes, liquid or solid
	1-Chloroheptane
	1-Chlorohexane
	Chloronitroanilines
	Chloronitrotoluenes, liquid
	Chloronitrotoluenes, solid
	1-Chlorooctane
PP	Chlorophenolates, liquid
PP	Chlorophenolates, solid
	Chlorophenyltrichlorosilane

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	Chloropicrin
	alpha-Chloropropylene
	Chlorotoluenes (meta-;para-)
PP	Chlorpyrifos
PP	Chlorthiophos
	Cocculus
	Coconitrile
	Copper acetoarsenite
	Copper arsenite
PP	Copper chloride
PP	Copper chloride solution
PP	Copper cyanide
PP	Copper metal powder
PP	Copper sulphate, anhydrous, hydrates
	Coumachlor
PP	Coumaphos
PP	Cresyl diphenyl phosphate
	Crotonaldehyde, stabilized
	Crotonic aldehyde, stabilized
	Crotoxyphos
	Cupric arsenite
PP	Cupric chloride
PP	Cupric cyanide
PP	Cupric sulfate
	Cupriethylenediamine solution
PP	Cuprous chloride
	Cyanide mixtures
	Cyanide solutions
	Cyanides, inorganic, n.o.s.
	Cyanogen bromide
	Cyanogen chloride, inhibited
	Cyanogen chloride, stabilized
	Cyanophos
PP	1,5,9-Cyclododecatriene
PP	Cyhexatin
PP	Cyrenes (o-;m-;p-)
PP	Cypermethrin
	Decyl acrylate
PP	DDT
	Decyloxyltetrahydrothiophene dioxide
	DEF
	Desmedipham
	Di-allate
	Di-n-Butyl phthalate
PP	Dialifos
	4,4'-Diaminodiphenylmethane
PP	Diazinon
	1,3-Dibromobenzene
PP	Dichlofenthion
	Dichloroanilines
	1,3-Dichlorobenzene
	1,4-Dichlorobenzene
	Dichlorobenzene (meta-; para-)
	2,2-Dichlorodiethyl ether
	Dichlorodimethyl ether, symmetrical
	Di-(2-chloroethyl) ether
	1,1-Dichloroethylene, inhibited
	1,6-Dichlorohexane
	Dichlorophenyltrichlorosilane
PP	Dichlorvos
PP	Diclofop-methyl
	Dicrotophos
PP	Dieldrin
	Diisopropylbenzenes
	Diisopropylphthalenes, mixed isomers
PP	Dimethoate
PP	<i>N,N</i> -Dimethyldodecylamine
	Dimethylhydrazine, symmetrical
	Dimethylhydrazine, unsymmetrical
	Dinitro-o-cresol, solid
	Dinitro-o-cresol, solution

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



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LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Mercuric potassium cyanide
PP	Mercuric Sulphate
PP	Mercuric thiocyanate
PP	Mercuriol
PP	Mercurous acetate
PP	Mercurous bisulphate
PP	Mercurous bromide
PP	Mercurous chloride
PP	Mercurous nitrate
PP	Mercurous salicylate
PP	Mercurous sulphate
PP	Mercury acetates
PP	Mercury ammonium chloride
PP	Mercury based pesticide, liquid, flammable, toxic
PP	Mercury based pesticides, liquid, toxic, flammable
PP	Mercury based pesticides, liquid, toxic
PP	Mercury based pesticides, solid, toxic
PP	Mercury benzoate
PP	Mercury bichloride
PP	Mercury bisulphates
PP	Mercury bromides
PP	Mercury compounds, liquid, n.o.s.
PP	Mercury compounds, solid, n.o.s.
PP	Mercury cyanide
PP	Mercury gluconate
PP	Mercury (I) (mercurous) compounds (pesticides)
PP	Mercury (II) (mercuric) compounds (pesticides)
PP	Mercury iodide
PP	Mercury nucleate
PP	Mercury oleate
PP	Mercury oxide
PP	Mercury oxycyanide, desensitized
PP	Mercury potassium cyanide
PP	Mercury potassium iodide
PP	Mercury salicylate
PP	Mercury sulfates
PP	Mercury thiocyanate
	Metam-sodium
	Methamidophos
	Methanethiol
	Methidathion
	Methomyl
	ortho-Methoxyaniline
	Methyl bromide and ethylene dibromide mixtures, liquid
	Methyl mercaptan
	3-Methylacroleine, stabilized
	Methylchlorobenzenes
	Methylnitrophenols
	3-Methylpyradine
	Methyltrithion
	Methylvinylbenzenes, inhibited
PP	Mevinphos
	Mexacarbate
	Mirex
	Monocrotophos
	Motor fuel anti-knock mixtures
	Motor fuel anti-knock mixtures or compounds
	Nabam
	Naled
PP	Nickel carbonyl
PP	Nickel cyanide
PP	Nickel tetracarbonyl
	3-Nitro-4-chlorobenzotrifluoride
	Nitrobenzene
	Nitrobenzotrifluorides, liquid or solid
	Nonylphenol
	normal-Octaldehyde
	Oleylamine
PP	Organotin compounds, liquid, n.o.s.
PP	Organotin compounds (pesticides)

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Organotin compounds, solid, n.o.s.
PP	Organotin pesticides, liquid, flammable, toxic, n.o.s., flash point less than 23deg C
PP	Organotin pesticides, liquid, toxic, flammable, n.o.s.
PP	Organotin pesticides, liquid, toxic, n.o.s.
PP	Organotin pesticides, solid, toxic, n.o.s.
	Orthoarsenic acid
PP	Osmium tetroxide
	Oxamyl
	Oxydisulfoton
	Paraoxon
PP	Parathion
PP	Parathion-methyl
PP	PCBs.
	Pentachloroethane
PP	Pentachlorophenol
	Pentalin
	n-Pentylbenzene
	Perchloroethylene
	Perchloromethylmercaptan
	Petrol, leaded
PP	Phenarsazine chloride
	d-Phenothrin
PP	Phenthoate
	1-Phenylbutane
	2-Phenylbutane
	Phenylcyclohexane
PP	Phenylmercuric acetate
PP	Phenylmercuric compounds, n.o.s.
PP	Phenylmercuric hydroxide
PP	Phenylmercuric nitrate
PP	Phorate
PP	Phosalone
	Phosmet
PP	Phosphamidon
PP	Phosphorus, white, molten
PP	Phosphorus, white or yellow dry or under water or in solution
PP	Phosphorus white, or yellow, molten
PP	Phosphorus, yellow, molten
	Pindone (and salts of)
	Pirimicarb
PP	Pirimiphos-ethyl
PP	Polychlorinated biphenyls
PP	Polyhalogenated biphenyls, liquid or Terphenyls liquid
PP	Polyhalogenated biphenyls, solid or Terphenyls, solid
	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
	Salithion
PP	Silafluofen
	Silver arsenite

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	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
PP	Sulfotep
	Sulprophos
	Tallow nitrile
	Temephos
	TEPP
PP	Terbufos
	Tetrabromoethane
	Tetrabromomethane
	1,1,2,2-Tetrachloroethane
	Tetrachloroethylene
	Tetrachloromethane
	Tetraethyl dithiopyrophosphate
PP	Tetraethyl lead, liquid
	Tetramethrin
	Tetramethyllead
	Thallium chlorate
	Thallium compounds, n.o.s.
	Thallium compounds (pesticides)
	Thallium nitrate
	Thallium sulfate
	Thallos chlorate
	Thiocarbonyl tetrachloride
	Triaryl phosphates, isopropylated
PP	Triaryl phosphates, n.o.s.
	Triazophos
	Tribromomethane
PP	Tributyltin compounds
	Trichlorfon
PP	1,2,3-Trichlorobenzene
	Trichlorobenzenes, liquid
	Trichlorobutene
	Trichlorobutylene
	Trichloromethane sulphuryl chloride
	Trichloromethyl sulphochloride
	Trichloronat
	Tricresyl phosphate (less than 1% ortho-isomer)
PP	Tricresyl phosphate, not less than 1% ortho-isomer but not more than 3% orthoisomer
PP	Tricresyl phosphate with more than 3 per cent ortho isomer
	Triethylbenzene
	Triisopropylated phenyl phosphates
	Trimethylene dichloride
PP	Triphenylphosphate
	Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 5% to 10% triphenyl phosphates
PP	Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphates
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

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	White phosphorus, wet
	White spirit, low (15-20%) aromatic
PP	Yellow phosphorus, dry
PP	Yellow phosphorus, wet
	Zinc bromide
	Zinc cyanide

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

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 172.101, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at [www.fdsys.gov](http://www.fdsys.gov).

§ 172.102 Special provisions.

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

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

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

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

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

(2) A code containing the letter “A” refers to a special provision which applies only to transportation by aircraft.