

Subpart B—Table of Hazardous Materials and Special Provisions

§ 172.101 Purpose and use of hazardous materials table.

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

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

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

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

(3) The letter “D” identifies proper shipping names which are appropriate

for describing materials for domestic transportation but may be inappropriate for international transportation under the provisions of international regulations (e.g., IMO, ICAO). An alternate proper shipping name may be selected when either domestic or international transportation is involved.

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

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

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

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

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

(2) Punctuation marks and words in italics are not part of the proper shipping name, but may be used in addition to the proper shipping name. The word

“or” in italics indicates that 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*.” Also, the percent sign (%) may be used in place of the word “percent” when words in italics containing the word “percent” are used in addition to the proper shipping name.

(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 meeting the definition of one or more hazard class that is 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 in paragraphs (c)(10)(i)(A) through (F) of this section is satisfied then the proper shipping name selection process in (c)(12)(ii) must be used.

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

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

(i) Defining criteria in this subchapter;

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(16) Unless it is already included in the proper shipping name in the §172.101 Table, the qualifying words

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

(17) Unless it is already included in the proper shipping name in the §172.101 Table, the qualifying word “stabilized” may be added in association with the proper shipping name, as appropriate, where without stabilization the substance would be forbidden for transportation according to §173.21(f) of this subchapter.

(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 transportation outside of the United States. 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 in the United States. Those preceded by the letters “ID” are associated with proper shipping names recognized by the ICAO Technical Instructions (see §171.7 of this subchapter for availability).

(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. Articles in other than Class 1 are not assigned to packing groups. For packing purposes, any requirement for a specific packaging performance level is set out in the applicable packing authorizations of part 173. Packing Groups I, II and III indicate the degree of danger presented by the material is great, medium or minor, respectively. If more than one packing group is indicated for an entry, the packing group for the hazardous material is determined using the criteria for assignment of packing groups specified in subpart D of part 173. When a reevaluation of test data or new data indicates a need to modify the specified packing group(s), the data should be submitted to the Associate Administrator. Each reference in this column to a material which is a hazardous waste or a hazardous substance,

and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W”, is modified to read “III” on those occasions when the material is offered for transportation or transported by a mode in which its transportation is not otherwise subject to requirements of this subchapter.

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

LABEL SUBSTITUTION TABLE

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

¹ Refers to the appropriate compatibility group letter.

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

(h) *Column 7: Special provisions.* Column 7 specifies codes for special provisions applicable to hazardous materials. When Column 7 refers to a special provision for a hazardous material, the meaning and requirements of that special provision are as set forth in § 172.102 of this subpart.

(i) *Column 8: Packaging authorizations.* Columns 8A, 8B and 8C specify the applicable sections for exceptions, non-bulk packaging requirements and bulk packaging requirements, respectively, in part 173 of this subchapter. Columns 8A, 8B and 8C are completed in a manner which indicates that “§173.” precedes the designated numerical entry. 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). 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 and handling requirements for specific hazardous materials. Hazardous materials offered for transportation as limited quantities are allocated stowage category A and are not subject to the stowage codes assigned by column 10B. 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 or 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 or on a passenger vessel.

(4) Stowage category "D" means the material must be stowed "on deck only" on a cargo vessel or 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 a passenger vessel 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 or 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 a passenger vessel in which the limiting number of passengers is exceeded.

(6) Stowage category "01" means the material may be stowed "on deck" in closed cargo transport units or "under deck" on a cargo vessel (up to 12 passengers) or on a passenger vessel.

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

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

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

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

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

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

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

§ 172.101 HAZARDOUS MATERIALS TABLE

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage								
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)							
A	Accelerene, <i>see</i> p-Nitrosodimethylaniline Accumulators, <i>electric, see</i> Batteries, wet <i>etc</i> Accumulators, <i>pressurized, pneumatic or hydraulic (containing non-flammable gas)</i> 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	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)							
														150	202	242	5 L	60 L	E	
														None	201	243	Forbidden	30 L	E	
														155	204	240	200 kg	200 kg	A	34
														150	203	242	60 L	220 L	A	
														154	202	243	1 L	30 L	A	53, 58
														154	202	242	1 L	30 L	A	53, 58
														154	203	242	5 L	60 L	A	53, 58
														154	202	243	1 L	30 L	A	40, 53, 58
														None	227	244	Forbidden	Forbidden	D	25, 40, 52, 53
														150	202	242	5 L	60 L	B	40
														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	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)
	Acetyl bromide	8	UN1716	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 53, 58
	Acetyl chloride	3	UN1717	II	3, 8	A3, A7, IB1, N34, T8, TP2	150	202	243	1 L	5 L	B	40, 53, 58
	Acetyl cyclohexanesulfonyl per-oxide, 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, 53, 58
	Acetyl methyl carbinol	3	UN2621	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Acetyl peroxide, solid, or with more than 25 percent in solution	Forbidden											
	Acetylene, dissolved	2.1	UN1001		2.1	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	25, 40
	Acrolein dimer, stabilized	3	UN2607	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25, 40
	Acrolein, stabilized	6.1	UN1092	I	6.1, 3	1, 380, 387, B9, B14, B30, B42, B77, T22, TP2, TP7, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	25, 40
	Acrylamide, solid	6.1	UN2074	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	12, 25
	Acrylamide solution	6.1	UN3426	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 25
	Acrylic acid, stabilized	8	UN2218	II	8, 3	387, B2, IB2, T7, TP2	154	202	243	1 L	30 L	C	25, 40, 53, 58
	Acrylonitrile, stabilized	3	UN1093	I	3, 6.1	387, B9, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	25, 40
	Actuating cartridge, explosive, see Cartridges, power device												

	3	UN1133	I	3	T11, TP1, TP8, TP27 149, B52, IB2, T4, TP1, TP8 B1, B52, IB3, T2, TP1 IB3, T3, TP1	150	201	243	1 L	30 L	B	
Adhesives, containing a flammable liquid			II	3					5 L	60 L	B	
Adiponitrile	6.1	UN2205	III	3			173	242	60 L	220 L	A	
Adsorbed gas, n.o.s.	2.2	UN3511	.....	2.2		150	173	242	60 L	220 L	A	
Adsorbed gas, flammable, n.o.s.	2.1	UN3510	.....	2.1		153	203	None	75 kg	150 kg	A	40
Adsorbed gas, oxidizing, n.o.s.	2.2	UN3513	.....	2.2, 5.1		None	302c	None	Forbiddn	150 kg	D	
	2.3	UN3512	.....	2.3	1	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, n.o.s. Inhalation hazard zone A	2.3	UN3512	.....	2.3	2, B9, B14	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, n.o.s. Inhalation hazard zone B	2.3	UN3512	.....	2.3	3, B14	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, n.o.s. Inhalation hazard zone C	2.3	UN3512	.....	2.3	4	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, n.o.s. Inhalation hazard zone D	2.3	UN3516	.....	2.3, 8	1, 379	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, corrosive, n.o.s. Inhalation hazard zone A	2.3	UN3516	.....	2.3, 8	2, 379, B9, B14	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, corrosive, n.o.s. Inhalation hazard zone C	2.3	UN3516	.....	2.3, 8	3, 379, B14	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, corrosive, n.o.s. Inhalation hazard zone D	2.3	UN3516	.....	2.3, 8	4, 379	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, flammable, n.o.s. Inhalation hazard zone A	2.3	UN3514	.....	2.3	1	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, flammable, n.o.s. Inhalation hazard zone B	2.3	UN3514	.....	2.3	2, B9, B14	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, flammable, n.o.s. Inhalation hazard zone C	2.3	UN3514	.....	2.3	3, B14	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, flammable, n.o.s. Inhalation hazard zone D	2.3	UN3514	.....	2.3	4	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, flammable, corrosive, n.o.s. Inhalation hazard zone A	2.3	UN3517	.....	2.3, 8	1	None	302c	None	Forbiddn	Forbiddn	D	17, 40
Adsorbed gas, toxic, flammable, corrosive, n.o.s. Inhalation hazard zone B	2.3	UN3517	.....	2.3, 8	2, B9, B14	None	302c	None	Forbiddn	Forbiddn	D	17, 40
Adsorbed gas, toxic, flammable, corrosive, n.o.s. Inhalation hazard zone C	2.3	UN3517	.....	2.3, 8	3, B14	None	302c	None	Forbiddn	Forbiddn	D	17, 40
Adsorbed gas, toxic, flammable, corrosive, n.o.s. Inhalation hazard zone D	2.3	UN3517	.....	2.3, 8	4	None	302c	None	Forbiddn	Forbiddn	D	17, 40
Adsorbed gas, toxic, oxidizing, n.o.s. Inhalation hazard zone A	2.3	UN3515	.....	2.3, 5.1	1	None	302c	None	Forbiddn	Forbiddn	D	40
Adsorbed gas, toxic, oxidizing, n.o.s. Inhalation hazard zone B	2.3	UN3515	.....	2.3, 5.1	2, B9, B14	None	302c	None	Forbiddn	Forbiddn	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	Adsorbed gas, toxic, oxidizing, n.o.s. <i>Inhalation hazard zone C</i>	2.3	UN3515	.....	2.3, 5.1	3, B14	None	302c	None	Forbidden	Forbidden	D	40
G	Adsorbed gas, toxic, oxidizing, n.o.s. <i>Inhalation hazard zone D</i>	2.3	UN3515	.....	2.3, 5.1	4	None	302c	None	Forbidden	Forbidden	D	40
G	Adsorbed gas, toxic, oxidizing, cor-rosive, n.o.s. <i>Inhalation hazard zone A</i>	2.3	UN3518	.....	2.3, 5.1, 8	1	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
G	Adsorbed gas, toxic, oxidizing, cor-rosive, n.o.s. <i>Inhalation hazard zone B</i>	2.3	UN3518	.....	2.3, 5.1, 8	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
G	Adsorbed gas, toxic, oxidizing, cor-rosive, n.o.s. <i>Inhalation hazard zone C</i>	2.3	UN3518	.....	2.3, 5.1, 8	3, B14	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
G	Adsorbed gas, toxic, oxidizing, cor-rosive, n.o.s. <i>Inhalation hazard zone D</i>	2.3	UN3518	.....	2.3, 5.1, 8	4	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
	Aerosols, corrosive, <i>Packing Group II or III</i> , (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2, 8	A34	306	None	None	75 kg	150 kg	A	25, 87, 126, 157
	Aerosols, flammable, (each not ex-ceeding 1 L capacity)	2.1	UN1950	.....	2.1	N82	306	None	None	75 kg	150 kg	A	25, 87, 126, 157
	Aerosols, flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)	2.1	UN1950	.....	2.1	N82	306	304	None	Forbidden	150 kg	A	25, 87, 126, 157
	Aerosols, non-flammable, (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2	.....	306	None	None	75 kg	150 kg	A	25, 87, 126, 157
	Aerosols, poison, <i>Packing Group III</i> (each not exceeding 1 L capacity)	2.2	UN1950	.....	2.2, 6.1	.....	306	None	None	Forbidden	Forbidden	A	25, 87, 126, 157

Air, compressed	2.2	UN1002	2.2	78	306, 307	302	302	302	150 kg	A	51
Air, refrigerated liquid, (cryogenic liquid)	2.2	UN1003	2.2, 5.1	T75, TP5, TP22	320	316	316	316	Forbiddén	D	51
Air, refrigerated liquid, (cryogenic liquid) non-pressurized	2.2	UN1003	2.2, 5.1	T75, TP5, TP22	320	316	316	316	Forbiddén	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)	3	UN3165	3, 6.1, 8	.....	None	172	172	None	42 L	E	21, 40, 49, 100
Aircraft survival kits, see Life saving appliances etc											
Alcoholates solution, n.o.s., in alcohol	3	UN3274	3, 8	IB2	150	202	202	243	1 L	B	52
Alcoholic beverages	3	UN3065	3	24, 149, B1, IB2, T4, TP1	150	202	202	242	5 L	A	
	3		3	24, B1, IB3, N11, T2, TP1	150	203	203	242	60 L	A	
	3	UN1987	3	172, T11, TP1, TP8, TP27	4b	201	201	243	220 L	A	
	3		3	172, T11, TP1, TP8, TP27	4b	202	202	242	30 L	E	
	3		3	172, IB2, T7, TP1, TP8, TP28	4b, 150	202	202	242	60 L	B	
	3		3	172, B1, IB3, T4, TP1, TP29	4b, 150	203	203	242	220 L	A	
	3	UN1986	3, 6.1	T14, TP2, TP13, TP27	None	201	201	243	30 L	E	40
Alcohols, flammable, toxic n.o.s	3		3, 6.1	IB2, T11, TP2, TP27	150	202	202	243	60 L	B	40
	3		3, 6.1	B1, IB3, T7, TP1, TP28	150	203	203	242	220 L	A	
	3	UN1989	3	T11, TP1, TP27	None	201	201	243	30 L	E	
Aldehydes, n.o.s.	3		3	IB2, T7, TP1, TP8, TP28	150	202	202	242	60 L	B	
	3		3	B1, IB3, T4, TP1, TP29	150	203	203	242	5 L	B	
	3	UN1988	3, 6.1	T14, TP2, TP13, TP27	None	201	201	243	220 L	A	
Aldehydes, flammable, toxic, n.o.s.	3		3, 6.1	IB2, T11, TP2, TP27	150	202	202	243	30 L	E	40
	3		3, 6.1	B1, IB3, T7, TP1, TP28	150	203	203	242	60 L	B	40
	3	UN2839	6.1	IB2, T7, TP2	153	202	202	243	220 L	A	
Aldol	6.1		6.1	64, A7, IB5, IP2, T3, TP33, W31	None	212	212	242	50 kg	B	12, 25, 52
Alkali metal alcoholates, self-heating, corrosive, n.o.s.	4.2	UN3206	4.2, 8	64, A7, IB8, IP3, T1, TP33, W31	None	213	213	242	15 kg	B	52
	4.3	UN1421	4.3	A2, A7, B48, N34, W31	None	201	201	244	100 kg	D	52
Alkali metal alloys, liquid, n.o.s	4.3		4.3	A2, A7, N34, W31	None	201	201	244	1 L	D	13, 52, 148
Alkali metal amalgam, liquid	4.3	UN1389	4.3	IB4, IP1, N40, T9, TP7, TP33, W31	None	211	211	242	1 L	D	13, 40, 52, 148
Alkali metal amalgam, solid	4.3	UN3401	4.3		None	211	211	242	15 kg	D	13, 52, 148

§ 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 amides	4.3	UN1390	II	4.3	A6, A7, A8, A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 40, 52, 148
	Alkali metal dispersions, flammable or Alkaline earth metal dispersions, flammable	4.3	UN3482	I	4.3, 3	A2, A7, W31	None	201	244	Forbidden	1 L	D	13, 52, 148
	Alkali metal dispersions, or Alkaline earth metal dispersions	4.3	UN1391	I	4.3	A2, A7, W31	None	201	244	Forbidden	1 L	D	13, 52, 148
G	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, W31	None	212	241	15 kg	50 kg	B	
	Alkaline earth metal alcoholates, n.o.s.	4.3	UN1393	III	4.2	65, A7, IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	B	
	Alkaline earth metal alloys, n.o.s.	4.3	UN1392	II	4.3	A19, IB7, IP2, IP4, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 52, 148
	Alkaline earth metal amalgams, liquid	4.3	UN1392	I	4.3	A19, N34, N40, W31	None	201	244	Forbidden	1 L	E	13, 40, 52, 148
	Alkaline earth metal amalgams, solid	4.3	UN3402	I	4.3	A19, N34, N40, T9, TP7, TP33, W31	None	211	242	Forbidden	15 kg	D	13, 52, 148
G	Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	6.1	UN3140	I	6.1	A4, T14, TP2, TP27	None	201	243	1 L	30 L	A	
	Alkaloids, solid, n.o.s. or Alkaloid salts, solid, n.o.s. poisonous	6.1	UN1544	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	A	
	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sulfuric acid	8	UN2564	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
	Alkyl sulfonic acids, liquid with not more than 5 percent free sulfuric acid	8	UN2586	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
	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	153	212	242	25 kg	100 kg	A	53, 58
	Alkyl sulfonic acids, solid, with more than 5 percent free sulfuric acid	8	UN2586	III	8	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	53, 58
	Alkyl sulfonic acids, solid, with more than 5 percent free sulfuric acid	8	UN2583	II	8	B2, IB2, T8, TP2, TP13	154	202	242	1 L	30 L	B	
	Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid, with more than 5 percent free sulfuric acid	8	UN2586	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	B	53, 58
	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	53, 58

Alkyl sulfonic acids, solid or Alkyl sulfonic acids, solid with not more than 5 percent free sulfuric acid	8	UN2585	III	8	IB8, IP3, T1, TP33	154	213	240	100 kg	A	53, 58
Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)	8	UN3145	I	8	T14, TP2	None	201	243	2.5 L	B	
Alkylphenols, solid, n.o.s. (including C2-C12 homologues)	8	UN2430	III	8	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	154 154 None	202 203 211	242	30 L 60 L 25 kg	B A B	
Alkylsulfuric acids	8	UN2571	II	8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 B2, IB2, T8, TP2, TP13, TP28	154 154 154	212 213 202	240 240 242	50 kg 100 kg 30 L	B A C	14, 53, 58
Allethrin, see Pesticides, liquid, toxic, n.o.s.	3	UN2333	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	60 L	E	40
Allyl acetate	6.1	UN1098	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40
Allyl bromide	3	UN1099	I	3, 6.1	T14, TP2, TP13	None	201	243	30 L	B	40
Allyl chloride	3	UN1100	I	3, 6.1	T14, TP2, TP13	None	201	243	30 L	E	40
Allyl chlorocarbonate, see Allyl chloroformate											
Allyl chloroformate	6.1	UN1722	I	6.1, 3, 8	2, B9, B14, B32, N41, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	21, 40, 53, 58, 100
Allyl ethyl ether	3	UN2335	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	60 L	E	40
Allyl formate	3	UN2336	I	3, 6.1	T14, TP2, TP13	None	201	243	30 L	E	40
Allyl glycidyl ether	3	UN2219	III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	
Allyl iodide	3	UN1723	II	3, 8	A3, IB1, N34, T7, TP2, TP13	150	202	243	5 L	B	40, 53, 58
Allyl isothiocyanate, stabilized	6.1	UN1545	II	6.1, 3	387, A3, A7, IB2, T7, TP2	153	202	243	60 L	D	25, 40
Allylamine	6.1	UN2334	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	D	40, 52
Allyltrichlorosilane, stabilized	8	UN1724	II	8, 3	387, A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	30 L	C	25, 40, 53, 58
Aluminum borohydride or Aluminum borohydride in devices	4.2	UN2870	I	4.2, 4.3	B11, T21, TP7, TP33	None	181	244	Forbidden	D	13, 148
Aluminum bromide, anhydrous	8	UN1725	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	A	40, 53, 58
Aluminum bromide, solution	8	UN2580	III	8	IB3, T4, TP1	154	203	241	60 L	A	53, 58
Aluminum carbide	4.3	UN1394	II	4.3	A20, IB7, IP2, IP21, N41, T3, TP33, W31, W40	151	212	242	15 kg	A	13, 52, 148
Aluminum chloride, anhydrous	8	UN1726	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	A	40, 53, 58
Aluminum chloride, solution	8	UN2581	III	8	IB3, T4, TP1	154	203	241	60 L	A	53, 58
Aluminum dross, wet or hot	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)
	Aluminum ferrosilicon powder	4.3	UN1395	II	4.3, 6.1	A19, IB5, IP2, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	A	13, 39, 40, 52, 53, 85, 103, 148
	Aluminum hydride	4.3	UN2463	I	4.3	A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 148
	Aluminum, molten	9	NA9260	III	9	IB3, T1, TP3	None	None	247	Forbidden	Forbidden	D	
	Aluminum nitrate	5.1	UN1438	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 39, 40, 52, 53, 85, 103, 148
D	<i>Aluminum phosphate solution, see Corrosive liquids, etc</i> Aluminum phosphide	4.3	UN1397	I	4.3, 6.1	A8, A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 85, 148
	Aluminum phosphide pesticides	6.1	UN3048	I	6.1	A8, IB7, IP1, T6, TP33, W31	None	211	242	Forbidden	15 kg	E	40, 85
	Aluminum powder, coated	4.1	UN1309	II	4.1	IB8, IP2, IP21, T3, TP33, W100	151	212	240	15 kg	50 kg	A	13, 39, 52, 53, 74, 101, 147, 148
				III	4.1	B134, IB8, IP21, T1, TP33, W100	151	213	240	25 kg	100 kg	A	13, 39, 52, 53, 74, 101, 147, 148
	Aluminum powder, uncoated	4.3	UN1396	II	4.3	A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	A	13, 39, 52, 53, 148

Ammonium dinitro-o-cresolate solution	6.1	UN3424	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	36, 66, 78, 91
Ammonium fluoride	6.1	UN2505	III	6.1	IB2, T7, TP2	153	203	241	60 L	220 L	A	36, 66, 78, 91
Ammonium fluosulfate	6.1	UN2854	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Ammonium fulminate	6.1	UN2854	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Ammonium hydrogen sulfate	8	UN2506	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40, 53, 58
Ammonium hydrogendifluoride, solid	8	UN1727	II	8	IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52, 53, 58
Ammonium hydrogendifluoride, solution	8	UN2817	II	8, 6.1	IB2, N34, T8, TP2, TP13	154	202	243	1 L	30 L	B	40, 53, 58
Ammonium hydrosulfide, solution, see Ammonium sulfide solution												
Ammonium hydroxide, see Ammonia solutions, etc												
Ammonium metavanadate	6.1	UN2859	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	44, 89, 100, 141
Ammonium nitrate based fertilizer	5.1	UN2067	III	5.1	52, 148, 150, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	25, 59, 60, 66, 117, 124*
Ammonium nitrate based fertilizer	9	UN2071	III	9	132, B136, IB8, IP3	155	213	240	200 kg	200 kg	A	25, 59, 60, 66, 124
Ammonium nitrate emulsion or Ammonium nitrate suspension or Ammonium nitrate gel, intermediate for blasting explosives	5.1	UN3375	II	5.1	147, 148, 163, IB2, IP16	None	231	251	Forbidden	Forbidden	D	
Ammonium nitrate-fuel oil mixture containing only pillared ammonium nitrate and fuel oil	1.5D	NA0331	.....	1.5D	148	None	62	None	Forbidden	Forbidden	03	25, 19E
Ammonium nitrate, liquid (hot concentrated solution)	5.1	UN2426	.....	5.1	148, B5, T7	None	None	243	Forbidden	Forbidden	D	59, 60, 124
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	.....	1.1D	370	None	62	None	Forbidden	Forbidden	04	25, 19E
Ammonium nitrate, with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1	UN1942	III	5.1	148, A1, A29, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	25, 59, 60, 66, 116, 124
Ammonium nitrite	Forbidden											

D

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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)
	Ammonium perchlorate	1.1D	UN0402	.....	1.1D	107	62	None	None	Forbidden	Forbidden	04	25, 19E
	Ammonium perchlorate	5.1	UN1442	II	5.1	107, A9, IB6, IP2, T3, TP33	212	152	242	5 kg	25 kg	E	58, 69
	Ammonium permanganate	Forbidden	UN1444	III	5.1	A1, A29, IB8, IP3, T1, TP33	213	152	240	25 kg	100 kg	A	
	Ammonium persulfate	5.1	UN1444	.....	1.1D	.....	62	None	None	Forbidden	Forbidden	04	25, 5E, 19E
	Ammonium picrate, dry or wetted with less than 10 percent water, by mass	1.1D	UN0004	.....	1.1D	.....	62	None	None	Forbidden	Forbidden	04	25, 5E, 19E
	Ammonium picrate, wetted with not less than 10 percent water, by mass	4.1	UN1310	I	4.1	23, A2, NA1, W31	211	None	None	0.5 kg	0.5 kg	D	28, 36
	Ammonium polysulfide, solution	8	UN2818	II	8, 6.1	IB2, T7, TP2, TP13	202	154	243	1 L	30 L	B	12, 25, 40, 52
				III	8, 6.1	IB3, T4, TP1, TP13	203	154	241	5 L	60 L	B	12, 25, 40, 52
	Ammonium polyvanadate	6.1	UN2861	II	6.1	IB8, IP2, IP4, T3, TP33	212	153	242	25 kg	100 kg	A	44, 89, 100, 141
	Ammonium silicofluoride, see Ammonium fluorosilicate	8	UN2683	II	8, 6.1, 3	IB1, T7, TP2, TP13	202	154	243	1 L	30 L	B	12, 22, 25, 52, 100
	Ammonium sulfide solution												
	Ammunition, blank, see Cartridges for weapons, blank												
	Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.2G	UN0171	.....	1.2G	.....	62	.....	62	Forbidden	Forbidden	03	25
	Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.3G	UN0254	.....	1.3G	.....	62	.....	62	Forbidden	Forbidden	03	25
	Ammunition, illuminating with or without burster, expelling charge or propelling charge	1.4G	UN0297	.....	1.4G	.....	62	.....	62	Forbidden	75 kg	02	25

Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge	1.3J	UN0247	.....	1.3J	.....	62	None	Forbidden	Forbidden	05	25, 23E
Ammunition, incendiary (water-activated contrivances) with burster, expelling charge or propelling charge see Contrivances, water-activated, etc.	1.2H	UN0243	.....	1.2H	.....	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge	1.3H	UN0244	.....	1.3H	.....	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Ammunition, incendiary with or without burster, expelling charge, or propelling charge	1.2G	UN0009	.....	1.2G	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, incendiary with or without burster, expelling charge, or propelling charge	1.3G	UN0010	.....	1.3G	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, incendiary with or without burster, expelling charge or propelling charge	1.4G	UN0300	.....	1.4G	.....	62	62	Forbidden	75 kg	02	25
Ammunition, practice	1.4G	UN0362	.....	1.4G	.....	62	62	Forbidden	75 kg	02	25
Ammunition, practice	1.3G	UN0488	.....	1.3G	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, proof	1.4G	UN0363	.....	1.4G	.....	62	62	Forbidden	75 kg	02	25
Ammunition, rocket, see Warheads, rocket etc											
Ammunition, SA (small arms), see Cartridges for weapons, etc											
Ammunition, smoke (water-activated contrivances), white phosphorus, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248)											
Ammunition, smoke (water-activated contrivances), without white phosphorus or phosphides, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0249)	1.2H	UN0245	.....	1.2H	.....	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E

§ 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)
	1.3H Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge	1.3H	UN0246	.....	1.3H	.....	62	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	1.2G Ammunition, smoke with or without burster, expelling charge or propelling charge	1.2G	UN0015	.....	1.2G	.....	62	62	62	Forbidden	Forbidden	03	25, 17E
	1.3G Ammunition, smoke with or without burster, expelling charge or propelling charge	1.3G	UN0016	.....	1.3G	.....	62	62	62	Forbidden	Forbidden	03	25, 17E
	1.4G Ammunition, smoke with or without burster, expelling charge or propelling charge	1.4G	UN0303	.....	1.4G	.....	62	62	62	Forbidden	75 kg	02	25, 14E, 15E, 17E
	Ammunition, sporting, see Cartridges for weapons, etc. (UN 0012; UN 0328; UN 0339)	6.1	UN2017	.....	6.1, 8	.....	None	212	None	Forbidden	50 kg	E	13, 40
	Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed	1.2G	UN0018	.....	1.2G, 8, 6.1	.....	62	62	62	Forbidden	Forbidden	03	25, 17E
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.3G	UN0019	.....	1.3G, 8, 6.1	.....	62	62	62	Forbidden	Forbidden	03	25, 17E
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.4G	UN0301	.....	1.4G, 8, 6.1	.....	62	62	62	Forbidden	75 kg	02	25, 14E, 15E, 17E
	Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed	6.1	UN2016	.....	6.1	.....	None	212	None	Forbidden	100 kg	E	13, 40

UN number	Proper shipping name	Quantity	Label	Special provisions	UN number	Proper shipping name	Quantity	Label	Special provisions	UN number	Proper shipping name	Quantity	Label	Special provisions
1.2K	UN0020	.....	1.2K, 6.1	.....	62	None	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E, 23, 14E, 15E, 17E	53, 58		
1.3K	UN0021	.....	1.3K, 6.1	.....	62	None	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E, 23, 14E, 15E, 17E	53, 58		
3	UN1104	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A	203	242	60 L	A	203
8	UN2819	III	8	IB3, T4, TP1	203	241	5 L	60 L	A	203	241	5 L	A	203
3	UN2820	III	3	B1, IB3, T2, TP1	202	242	60 L	220 L	A	202	242	60 L	A	202
3	UN1107	II	3	IB2, T4, TP1	203	242	5 L	60 L	B	203	242	5 L	B	203
3	UN1109	III	3	B1, IB3, T2, TP1	202	242	60 L	220 L	A	202	242	60 L	A	202
3	UN1111	II	3	A3, A6, IB2, T4, TP1	203	242	5 L	60 L	B	203	242	5 L	B	203
3	UN1110	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A	203	242	60 L	A	203
3	UN1112	III	3	B1, IB3, T2, TP1	202	242	60 L	220 L	A	202	242	60 L	A	202
3	UN1113	II	3	IB2, T4, TP1	202	242	5 L	60 L	E	202	242	5 L	E	202
3	UN1106	III	3, 8	IB2, T7, TP1	202	243	1 L	5 L	B	202	243	1 L	B	202
3	UN1106	III	3, 8	B1, IB3, T4, TP1	203	242	5 L	60 L	A	203	242	5 L	A	203
8	UN1728	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	206	242	Forbidden	30 L	C	206	242	30 L	C	206
6.1	UN1547	II	6.1	IB2, T7, TP2	202	243	5 L	60 L	A	202	243	5 L	A	202
6.1	UN1548	III	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	213	240	100 kg	A	213
6.1	UN2431	III	6.1	IB3, T4, TP1	203	241	60 L	220 L	A	203	241	60 L	A	203
3	UN2222	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A	203	242	60 L	A	203
8	UN1729	II	8	B2, B4, IB8, IP2, IP4, T3, TP33	212	240	15 kg	50 kg	A	212	240	15 kg	A	212
6.1	UN3141	III	6.1	35, IB3, T7, TP1, TP28	203	241	60 L	220 L	A	203	241	60 L	A	203
6.1	UN1549	III	6.1	35, IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	213	240	100 kg	A	213
6.1	UN1550	III	6.1	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	213	240	100 kg	A	213
8	UN1730	II	8	B2, IB2, T7, TP2	202	242	1 L	30 L	C	202	242	1 L	C	202
8	UN1731	II	8	B2, IB2, T7, TP2	202	242	1 L	30 L	C	202	242	1 L	C	202

§ 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)
	Antimony pentafluoride	8	UN1732	II	8, 6.1	IB3, T4, TP1	154	203	241	5 L	60 L	C	40, 53, 58
	Antimony potassium tartrate	6.1	UN1551	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40, 44, 53, 58, 89, 100, 141
	Antimony powder	6.1	UN2871	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	<i>Antimony sulfide and a chlorate, mixtures of</i>	Forbidden											
	<i>Antimony sulfide, solid, see Antimony compounds, inorganic, n.o.s.</i>												
	Antimony trichloride, liquid	8	UN1733	II	8	B2, IB2	154	202	242	1 L	30 L	C	40, 53, 58
	Antimony trichloride, solid	8	UN1733	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40, 53, 58
	<i>Aqua ammonia, see Ammonia solution, etc</i>												
	Argon, compressed	2.2	UN1006		2.2		306, 307	302	314, 315	75 kg	150 kg	A	
	Argon, refrigerated liquid (<i>cryogenic liquid</i>)	2.2	UN1951		2.2	T75, TP5	320	316	318	50 kg	500 kg	D	
	Arsenic	6.1	UN1558	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Arsenic acid, liquid	6.1	UN1553	I	6.1	T20, TP2, TP7, TP13, W31	None	201	243	1 L	30 L	B	46
	Arsenic acid, solid	6.1	UN1554	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	12, 25, 40
	Arsenic bromide	6.1	UN1555	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	<i>Arsenic chloride, see Arsenic trichloride</i>												
G	Arsenic compounds, liquid, n.o.s. <i>inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.</i>	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	
		Arsenic pentoxide	6.1	UN1559	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	137
			6.1												IB8, IP3, T1, TP33	153	213	240	100 kg	A	137
	Arsenic sulfide and a chlorate, mixtures of	6.1	UN1560	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40	
	Arsenic trichloride	6.1												IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A
	Arsenic trioxide	6.1	UN1562	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40	
	Arsenic, white, solid, see Arsenic trioxide	6.1												T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B
	Arsenic dust	6.1	UN2760	I	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40	
	Arsenical pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3												T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B
	Arsenical pesticides, liquid, toxic	6.1	UN2994	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	1 L	60 L	B	40	
	Arsenical pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1												IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A
	Arsenic acid, solid, see Arsenic trioxide	6.1	UN2993	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40	
	Arsenic pesticides, solid, toxic	6.1												IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B
	Arsine, adsorbed	2.3	UN2188	.....	2.3, 2.1	IB1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
	Articles containing a substance liable to spontaneous combustion, n.o.s.	4.2	UN3542	.....	4.2	IB7, IP1, T6, TP33	153	302c	None	5 kg	50 kg	A	40
					IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40		
					IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40		
					1	None	192	245	Forbidden	Forbidden	D	40		
					131, 391	None	214	None	Forbidden	Forbidden	D	.....	
						None	214	214	Forbidden	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)
G	Articles containing a substance which in contact with water emits flammable gases, n.o.s.	4.3	UN3543	.....	4.3	131, 391	None	214	214	Forbidden	Forbidden	.....	.....
G	Articles containing corrosive substance, n.o.s.	8	UN3547	.....	8	391	None	232	232	Forbidden	Forbidden	B	.....
G	Articles containing flammable gas, n.o.s.	2.1	UN3537	.....	2.1	391	None	232	232	Forbidden	Forbidden	D	.....
G	Articles containing flammable liquid, n.o.s.	3	UN3540	.....	3	391	None	232	232	Forbidden	Forbidden	B	.....
G	Articles containing flammable solid, n.o.s.	4.1	UN3541	.....	4.1	391	None	232	232	Forbidden	Forbidden	B	.....
G	Articles containing miscellaneous dangerous goods, n.o.s.	9	UN3548	.....	9	391	None	232	232	Forbidden	Forbidden	A	.....
G	Articles containing non-flammable, non-toxic gas, n.o.s.	2.2	UN3538	.....	2.2	391	None	232	232	Forbidden	Forbidden	A	.....
G	Articles containing organic peroxide, n.o.s.	5.2	UN3545	.....	5.2	131, 391	None	214	214	Forbidden	Forbidden	.....	.....
G	Articles containing oxidizing substance, n.o.s.	5.1	UN3544	.....	5.1	131, 391	None	214	214	Forbidden	Forbidden	.....	.....
G	Articles containing toxic gas, n.o.s.	2.3	UN3539	.....	2.3	131, 391	None	214	214	Forbidden	Forbidden	.....	.....
G	Articles containing toxic substance, n.o.s.	6.1	UN3546	.....	6.1	391	None	232	232	Forbidden	Forbidden	B	.....
G	Articles, explosive, extremely insensitive or Articles, EEI	1.6N	UN0486	.....	1.6N	.....	None	62	None	Forbidden	Forbidden	03	25
G	Articles, explosive, n.o.s.	1.4S	UN0349	.....	1.4S	101, 148, 347, 382	None	62	None	25 kg	100 kg	01	25
G	Articles, explosive, n.o.s.	1.4B	UN0350	.....	1.4B	101	None	62	None	Forbidden	Forbidden	05	25
G	Articles, explosive, n.o.s.	1.4C	UN0351	.....	1.4C	101	None	62	None	Forbidden	75 kg	02	25
G	Articles, explosive, n.o.s.	1.4D	UN0352	.....	1.4D	101	None	62	None	Forbidden	75 kg	02	25
G	Articles, explosive, n.o.s.	1.4G	UN0353	.....	1.4G	101	None	62	None	Forbidden	75 kg	02	25
G	Articles, explosive, n.o.s.	1.1L	UN0354	.....	1.1L	101	None	62	None	Forbidden	Forbidden	02	25, 14E, 15E
G	Articles, explosive, n.o.s.	1.2L	UN0355	.....	1.2L	101	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E
G	Articles, explosive, n.o.s.	1.3L	UN0356	.....	1.3L	101	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E

G	Articles, explosive, n.o.s	1.1C	UN0462	.....	1.1C	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.1D	UN0463	.....	1.1D	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.1E	UN0464	.....	1.1E	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.1F	UN0465	.....	1.1F	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.2C	UN0466	.....	1.2C	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.2D	UN0467	.....	1.2D	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.2E	UN0468	.....	1.2E	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.2F	UN0469	.....	1.2F	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.3C	UN0470	.....	1.3C	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s.	1.4E	UN0471	.....	1.4E	101	None	62	None	Forbidden	03	25
G	Articles, explosive, n.o.s	1.4F	UN0472	.....	1.4F	101	None	62	None	Forbidden	03	25
G	Articles, pressurized pneumatic or hydraulic containing non-flammable gas	2.2	UN3164	.....	2.2	371	306	302, 304	None	Forbidden	A	25
	Articles, pyrophoric	1.2L	UN0380	.....	1.2L	.....	None	62	None	Forbidden	05	25, 14E, 15E, 17E
	Articles, pyrotechnic for technical purposes	1.1G	UN0428	.....	1.1G	.....	None	62	None	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.2G	UN0429	.....	1.2G	.....	None	62	None	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.3G	UN0430	.....	1.3G	.....	None	62	None	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.4G	UN0431	.....	1.4G	381	None	62	None	Forbidden	02	25
	Articles, pyrotechnic for technical purposes	1.4S	UN0432	.....	1.4S	.....	None	62	None	Forbidden	01	25
D	Asbestos	9	NA2212	III	9	156, IB8, IP2, IP4	155	216	216, 240	200 kg	A	34, 40
G I	Asbestos, amphibole amosite, tremolite, actinolite, anthophyllite, or crocidolite	9	UN2212	II	9	156, IB8, IP2, IP4, T3, TP33	155	216	216, 240	Forbidden	A	34, 40
I	Asbestos, chrysotile	9	UN2590	III	9	156, IB8, IP2, IP3, T1, TP33	155	216	216, 240	200 kg	A	34, 40
D	Ascaridole (organic peroxide)	Forbidden										
D	Asphalt, at or above its flash point	3	NA1999	III	3	IB3, T1, TP3	150	203	247	Forbidden	D	
D	Asphalt, cut back, see Tars, liquid, etc											
	Automobile, motorcycle, tractor, other self-propelled vehicle, engine, or other mechanical apparatus, see Vehicles or Battery etc											
A,	Aviation regulated liquid, n.o.s	9	UN3334	.....	9	A35, A189	155	204	450 L	450 L	A	
G	Aviation regulated solid, n.o.s	9	UN3335	.....	9	A35	155	204	400 kg	400 kg	A	
A,	Aviation regulated solid, n.o.s											
G	Azaurolic acid (salt of) (dry)	Forbidden										
	Azido guanidine picrate (dry)	Forbidden										
	5-Azido-1-hydroxy tetrazole	Forbidden										

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Azido hydroxy tetrazole (mercury and silver salts)	Forbidden											
	3-Azido-1,2-Propylene glycol dinitrate	Forbidden											
	Azidothiocarbonic acid	Forbidden											
	Azidoethyl nitrate	Forbidden											
	1-Aziridinylphosphine oxide-(tris), see Tris-(1-aziridinyl) phosphine oxide, solution	4.1	UN3242	II	4.1	38, IB8, T3, TP33	151	223	240	Forbidden	Forbidden	D	2, 52, 53, 74
	Azodicarbonamide	Forbidden											
	Azotetrazole (dry)	4.3	UN1400	II	4.3	A19, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 52, 148
	Barium	4.2	UN1854	I	4.2	T21, TP7, TP33, W31	None	181	None	Forbidden	Forbidden	D	13, 148
	Barium alloys, pyrophoric	1.1A	UN0224	.....	1.1A, 6.1	111, 117	None	62	None	Forbidden	Forbidden	05	25
	Barium azide, dry or wetted with less than 50 percent water, by mass	4.1	UN1571	I	4.1, 6.1	162, A2, W31	None	182	None	Forbidden	0.5 kg	D	28, 36
	Barium azide, wetted with not less than 50 percent water, by mass	5.1	UN2719	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Barium bromate	5.1	UN1445	II	5.1, 6.1	A9, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Barium chlorate, solid	5.1	UN3405	II	5.1, 6.1	A9, IB2, N34, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133
	Barium chlorate, solution	5.1	UN3405	III	5.1, 6.1	A9, IB2, N34, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133
G	Barium compounds, n.o.s	6.1	UN1564	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Barium cyanide	6.1	UN1565	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Barium hypochlorite, with more than 22 percent available chlorine	5.1	UN1565	I	6.1	IB7, IP1, N74, N75, T6, TP33, W31	None	211	242	5 kg	50 kg	A	40, 52
	Barium nitrate	5.1	UN2741	II	5.1, 6.1	A7, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	None	5 kg	25 kg	B	4, 52, 56, 58, 106
	Barium nitrate	5.1	UN1446	II	5.1, 6.1	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	

Barium perchlorate, solid	5.1	UN1447	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Barium perchlorate, solution	5.1	UN3406	II	5.1, 6.1	IB2, T4, TP1	152	202	243	1 L	5 L	A	56, 58, 133
Barium permanganate	5.1	UN1448	III	5.1, 6.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58, 133
Barium peroxide	5.1	UN1449	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
<i>Barium selenate, see Selenates or Selenites</i>												
<i>Barium selenite, see Selenates or Selenites</i>												
Batteries, containing sodium hydroxide solid, <i>electric storage</i>	4.3	UN3292	.....	4.3	.....	189	189	189	Forbidden	No limit	A	13, 148
Batteries, dry, sealed, n.o.s.	8	UN3028	.....	8	.....	154	213	None	25 kg	230 kg	A	52
Batteries, nickel-metal hydride see Batteries, dry, sealed, n.o.s. for nickel-metal hydride batteries transported by modes other than vessel	9	UN3496	.....	9	130 340				.....	.....	A	25
Batteries, wet, filled with acid, <i>electric storage</i>	8	UN2794	.....	8	A51	159	159	159	30 kg	No limit	A	53, 58, 146
Batteries, wet, filled with alkali, <i>electric storage</i>	8	UN2795	.....	8	A51	159	159	159	30 kg	No limit	A	52, 146
Batteries, wet, non-spillable, <i>electric storage</i>	8	UN2800	.....	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
<i>Battery lithium type, see Lithium batteries etc</i>												
Battery-powered vehicle or Battery-powered equipment	9	UN3171	.....	9	134, 360	220	220	None	No limit	No limit	A	.....
<i>Battery, wet, filled with acid or alkali with vehicle or mechanical equipment containing an internal combustion engine, see Vehicle, etc. or Engines, internal combustion, etc</i>												
Benzaldehyde	9	UN1990	III	9	IB3, T2, TP1	155	203	241	100 L	220 L	A	40
Benzene	3	UN1114	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Benzene diazonium chloride (dry)</i>	Forbidden											
<i>Benzene diazonium nitrate (dry)</i>	Forbidden											
<i>Benzene phosphorus dichloride, see Phenyl phosphorus dichloride</i>												

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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 trichloride</i> , see Phenyl phosphorus trichloride														
	Benzene sulfonyl chloride	8	UN2225	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40		
	<i>Benzene triozonide</i>	Forbidden													
	<i>Benzethiol</i> , see Phenyl mercaptan														
	Benzidine	6.1	UN1885	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
	1, 3, 2-Benzodioxaborole	.....				A210									
	<i>Benzol</i> , see Benzene														
	Benzonitrile	6.1	UN2224	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40, 52		
	Benzoquinone	6.1	UN2587	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
	Benzotrithloride	8	UN2226	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 53, 58		
	Benzotrifluoride	3	UN2338	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40		
	<i>Benzotriazoles (dry)</i>	Forbidden													
	<i>Benzoyl azide</i>	Forbidden													
	Benzoyl chloride	8	UN1736	II	8	B2, IB2, T8, TP2, TP13	154	202	242	1 L	30 L	C	40, 53, 58		
	Benzyl bromide	6.1	UN1737	II	6.1, 8	A3, A7, IB2, N33, N34, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40, 53, 58		
	Benzyl chloride	6.1	UN1738	II	6.1, 8	A3, A7, B70, IB2, N33, N42, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40, 53, 58		
	Benzyl chloride unstabilized	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, 53, 58		
	Benzyl chloroformate	8	UN1739	I	8	B4, N41, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40, 53, 58		
	Benzyl iodide	6.1	UN2653	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	12, 40		
	Benzyl dimethylamine	8	UN2619	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	25, 40, 52		
	Benzylidene chloride	6.1	UN1886	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	40		
	Beryllium compounds, n.o.s	6.1	UN1566	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A			
	Beryllium nitrate	5.1	UN2464	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	100 kg	200 kg	A			

Beryllium, powder	6.1	UN1567	II	6.1, 4.1	IB8, IP2, IP4, T3, TP33, W100	153	212	242	15 kg	50 kg	A	13, 147, 148, 25
Bicyclo [2.2.1] hepta-2,5-diene, stabilized or 2,5-Norbornadiene, stabilized	3	UN2251	II	3	387, IB2, T7, TP2	150	202	242	5 L	60 L	D	40
Biological substance, Category B	6.2	UN3373	I	3, 6.1	A82	134	199	None	4 L or 4 kg	4 L or 4 kg	A	40
<i>Biphenyl triazone</i>	Forbidden					None	201	243	Forbidden	30 L	E	
Bipyridilium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	6.1	UN2782	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	
Bipyridilium pesticides, liquid, toxic	6.1	UN3016	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Bipyridilium pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3015	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Bipyridilium pesticides, solid, toxic	6.1	UN2781	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	21, 40
<i>Bis (Aminopropyl) piperazine, see</i>												
Corrosive liquid, n.o.s.	8	UN2837	II	8	A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	21, 40
Bisulfites, aqueous solutions, n.o.s.	8	UN2693	III	8	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	21, 40
Black powder, compressed or Gunpowder, compressed or Black powder, in pellets or Gunpowder, in pellets	1.1D	UN0028	.....	1.1D	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Black powder or as a meal granular or for small arms	8	UN2693	III	8	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Blasting agent, n.o.s., see Explosives, blasting etc	4.1	NA0027	I	4.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Blasting cap assemblies, see Detonator assemblies, non-electric, for blasting	1.1D	UN0027	.....	1.1D	A7, B2, IB2, N34, T7, TP2	None	62	None	Forbidden	Forbidden	04	25
Blasting caps, electric, see Detonators, electric for blasting	1.1D	UN0027	.....	1.1D	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A	40, 52
Blasting caps, non-electric, see Detonators, non-electric, for blasting	4.1	NA0027	I	4.1	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52
Bleaching powder, see Calcium hypochlorite mixtures, etc	4.1	NA0027	I	4.1	None	62	None	Forbidden	Forbidden	04	25

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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	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other	
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
+	Bombs, photo-flash	1.1F	UN0037	.....	1.1F	.....	.....	62	None	Forbidden	Forbidden	03	25
	Bombs, photo-flash	1.1D	UN0038	.....	1.1D	.....	.....	62	62	Forbidden	Forbidden	03	25
	Bombs, photo-flash	1.2G	UN0039	.....	1.2G	.....	.....	62	62	Forbidden	Forbidden	03	25
	Bombs, photo-flash	1.3G	UN0299	.....	1.3G	.....	.....	62	62	Forbidden	Forbidden	03	25
	Bombs, smoke, non-explosive, with corrosive liquid, without initiating device	8	UN2028	II	8	.....	.....	160	None	Forbidden	50 kg	E	40
	Bombs, with bursting charge	1.1F	UN0033	.....	1.1F	.....	.....	62	None	Forbidden	Forbidden	03	25
	Bombs, with bursting charge	1.1D	UN0034	.....	1.1D	.....	.....	62	62	Forbidden	Forbidden	03	25
	Bombs, with bursting charge	1.2D	UN0035	.....	1.2D	.....	.....	62	62	Forbidden	Forbidden	03	25
	Bombs, with bursting charge	1.2F	UN0291	.....	1.2F	.....	.....	62	None	Forbidden	Forbidden	03	25
	Bombs, with flammable liquid, with bursting charge	1.1J	UN0399	.....	1.1J	.....	.....	62	None	Forbidden	Forbidden	05	25, 23E
	Bombs, with flammable liquid, with bursting charge	1.2J	UN0400	.....	1.2J	.....	.....	62	None	Forbidden	Forbidden	05	25, 23E
	Boosters with detonator	1.1B	UN0225	.....	1.1B	.....	.....	None	None	Forbidden	Forbidden	05	25
	Boosters with detonator	1.2B	UN0268	.....	1.2B	.....	.....	None	None	Forbidden	Forbidden	05	25
	Boosters, without detonator	1.1D	UN0042	.....	1.1D	.....	148	None	None	Forbidden	Forbidden	03	25
	Boosters, without detonator	1.2D	UN0283	.....	1.2D	.....	.....	None	None	Forbidden	Forbidden	03	25
	Chlorate and borate mixtures, see Borate and chlorate mixtures													
	Borneol		4.1	UN1312	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	12, 25, 53, 58
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, 238, 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	53, 58	
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	53, 58	
Boron trifluoride adsorbed		2.3	UN3519	.....	2.3, 8	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	40
Boron trifluoride diethyl etherate		8	UN2604	I	8, 3	A19, T10, TP2, W31	None	201	243	0.5 L	2.5 L	D	40, 53, 58	
Boron trifluoride dihydrate		8	UN2851	II	8	IB2, T7, TP2	154	212	240	15 kg	50 kg	B	12, 25, 40, 53, 58	

Boron trifluoride dimethyl etherate	4.3	UN2965	I	4.3, 8, 3	A19, T10, TP2, TP7, TP13, W31	None	201	243	Forbidden	1 L	D	21, 25, 40, 49, 100
Boron trifluoride propionic acid complex, liquid	8	UN1743	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	A	53, 58
Boron trifluoride propionic acid complex, solid	8	UN3420	II	8	B2, IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	53, 58
Box toe gum, see Nitrocellulose etc	5.1	UN3213	II	5.1	350, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
Bromates, inorganic, aqueous solution, 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
Bromates, inorganic, n.o.s	5.1	UN1744	II	5.1	350, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Bromine	8	UN1744	I	8, 6.1	1, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	226	249	Forbidden	Forbidden	D	12, 25, 40, 53, 58, 66, 74, 89, 90
Bromine azide	Forbidden											
Bromine chloride	2.3	UN2901		2.3, 8, 5.1	2, B9, B14, N86	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
Bromine pentafluoride	5.1	UN1745	I	5.1, 6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	228	244	Forbidden	Forbidden	D	25, 40, 53, 58, 66, 74, 89, 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, 25, 40, 53, 58, 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, 25, 40, 53, 58, 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, 53, 58, 66, 74, 89, 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	53, 58

§ 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)
	Bromoacetic acid solution	8	UN1938	II	8	A7, B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 53, 58
				III	8	B2, IB3, T7, TP2	154	203	241	5 L	60 L	A	40, 53, 58
+	Bromoacetone	6.1	UN1569	II	6.1, 3	2, T20, TP2, TP13	None	193	245	Forbidden	Forbidden	D	40
	Bromoacetyl bromide	8	UN2513	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 53, 58
	Bromobenzene	3	UN2514	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	12, 25, 40, 52
	Bromobenzyl cyanides, liquid	6.1	UN1694	I	6.1	T14, TP2, TP13, W31	None	201	243	Forbidden	30 L	D	12, 25, 40, 52
	Bromobenzyl cyanides, solid	6.1	UN3449	I	6.1	T6, TP33, W31	None	211	242	5 kg	50 kg	D	12, 25, 40, 52
	1-Bromobutane	3	UN1126	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	2-Bromobutane	3	UN2339	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromochloromethane	6.1	UN1887	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
	2-Bromoethyl ethyl ether	3	UN2340	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromoform	6.1	UN2515	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 25, 40
	Bromomethylpropanes	3	UN2342	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	2-Bromopentane	3	UN2343	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Bromopropanes	3	UN2344	II	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	40
	Bromosilane	Forbidden		II	3	IB2, T4, TP1	150	202	242	5 L	60 L	D	40
	Bromotoluene-alpha, 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	25
	Bursters, explosive	1.1D	UN0043	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	03	25, 40
	Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized containing more than 40% butadienes	2.1	UN1010	.....	2.1	.....	306	304	314, 315	Forbidden	150 kg	B	
	Butane see also Petroleum gases, liquefied	2.1	UN1011		2.1	19, T50	306	304	314, 315	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 limitations (§ 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)	Butyl propionates 5-tert-Butyl-2,4,6-trinitro-m-xylene or Musk xylene Butyl vinyl ether, stabilized n-Butylamine N-Butylamine tert-Butylcyclohexylchloroformate Butylene see also Petroleum gases, liquefied 1,2-Butylene oxide, stabilized Butyltoluenes Butyltrichlorosilane 1,4-Butynediol Butyraldehyde Butyraldoxime Butyric acid Butyric anhydride Butyronitrile Butyryl chloride Cacodylic acid Cadmium compounds Caesium hydroxide Caesium hydroxide solution Calcium Calcium arsenate Calcium arsenate and calcium arsenite, mixtures, solid	3	UN1914	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	12, 25,	
		4.1	UN2956	III	4.1	159	223	None	Forbidden	Forbidden	Forbidden	Forbidden	D	40, 127
		3	UN2352	II	3	387, IB2, T4, TP1	202	242	5 L	5 L	5 L	60 L	C	25, 40
		3	UN1125	II	3, 8	IB2, T7, TP1	150	242	1 L	1 L	1 L	5 L	B	40, 52
		6.1	UN2738	II	6.1	IB2, T7, TP2	153	243	5 L	5 L	5 L	60 L	A	74
		6.1	UN2747	III	6.1	IB3, T4, TP1	153	241	60 L	60 L	60 L	220 L	A	12, 13,
		2.1	UN1012	2.1	19, T50	306	304	314, 315	Forbidden	Forbidden	Forbidden	150 kg	E	25, 40
		3	UN3022	II	3	387, IB2, T4, TP1	202	242	5 L	5 L	5 L	60 L	C	25, 27,
		6.1	UN2667	III	6.1	IB3, T4, TP1	203	241	60 L	60 L	60 L	220 L	A	49
		8	UN1747	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	206	243	Forbidden	Forbidden	Forbidden	30 L	C	40, 53,
		6.1	UN2716	III	6.1	A1, IB8, IP3, T1, TP33	153	240	100 kg	100 kg	100 kg	200 kg	C	52, 53,
		3	UN1129	II	3	IB2, T4, TP1	150	242	5 L	5 L	5 L	60 L	B	70
		3	UN2840	III	3	B1, IB3, T2, TP1	150	203	242	60 L	60 L	220 L	A	
		8	UN2820	III	8	IB3, T4, TP1	154	203	241	5 L	5 L	60 L	A	12, 25,
		8	UN2739	III	8	IB3, T4, TP1	154	203	241	5 L	5 L	60 L	A	53, 58
		3	UN2411	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	1 L	60 L	E	40
		3	UN2353	II	3, 8	IB2, T8, TP2, TP13	150	202	243	1 L	1 L	5 L	C	40, 53,
G	Cacodylic acid Cadmium compounds Caesium hydroxide Caesium hydroxide solution Calcium Calcium arsenate Calcium arsenate and calcium arsenite, mixtures, solid	6.1	UN1572	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	E	52, 53,	
		6.1	UN2570	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	58	
		6.1	UN2570	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
		8	UN2682	II	8	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
		8	UN2681	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	29, 52,	
		8	UN2681	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	29, 52	
		8	UN2681	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	29, 52	
		4.3	UN1401	II	4.3	IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 52,	
		6.1	UN1573	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	148	
		6.1	UN1574	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	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	Calcium hypochlorite, hydrated or Calcium hypochlorite, hydrated mixture, with not less than 5.5% but not more than 16% water	5.1	UN2880	II	5.1	165, IB8, IP2, IP4, IP13, W9	152	212	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142																																																																																
														Calcium hypochlorite mixture, dry, corrosive with more than 10% but not more than 39% available chlorine	5.1	165, 171, IB8, IP4, IP13, W9	152	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142																																																																						
																								Calcium hypochlorite mixture, dry, with more than 10% but not more than 39% available chlorine	5.1	165, A1, A29, IB8, IP3, IP13, N34, W9, W10	152	213	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142																																																												
																																		Calcium manganese silicon	4.3	A1, A19, IB8, IP4, T1, TP33, W31	151	213	241	25 kg	100 kg	A	13, 52, 85, 103, 148																																																		
																																												Calcium nitrate	5.1	34, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A																																								
																																																						Calcium oxide	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	56, 58																														
																																																																Calcium perchlorate	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138																				
																																																																										Calcium permanganate	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	13, 52, 66, 75, 148										
																																																																																				Calcium peroxide	5.1	IB6, IP2, T3, TP33, W100	152	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148
Calcium, pyrophoric or Calcium alloys, pyrophoric	4.2	W31	None	187	None	Forbidden	Forbidden	D	13, 148																																																																																				
										Calcium resinate	4.1	A1, A19, IB6, T1, TP33	151	213	240	25 kg	100 kg	A																																																																											
																				Calcium resinate, fused	4.1	A1, A19, IB4, T1, TP33	151	213	240	25 kg	100 kg	A																																																																	
																														Calcium selenate, see Selenates or Selenites																																																															

Calcium silicide	4.3	UN1405	II	4.3	A19, IB7, IP2, IP21, T3, TP33, W31	151	212	241	15 kg	50 kg	B	13, 52, 85, 103, 148
Camphor oil	3	UN1130	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	85, 103, 148
Camphor, synthetic	4.1	UN2717	III	4.1	A1, IB8, IP3, T1, TP33	151	213	241	25 kg	100 kg	B	13, 52, 85, 103, 148
Cannon primers, see Primers, tubular												
Capacitor, asymmetric with an energy storage capacity greater than 0.3 Wh	9	UN3508	.....	9	372	176	176	176	No limit	No Limit	A	
Capacitor, electric double layer with an energy storage capacity greater than 0.3 Wh	9	UN3499	.....	9	361	176	176	176	No limit	No limit	A	
Caproic acid	8	UN2829	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58
Caps, blasting, see Detonators, etc												
Carbamate pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2758	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Carbamate pesticides, liquid, toxic												
Carbamate pesticides, liquid, toxic												
Carbamate pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2992	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Carbamate pesticides, solid, toxic	6.1	UN2991	II	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Carbamic acid, see Phenol, solid or Phenol, molten												
Carbamic acid solutions, see Phenol solutions												
Carbon, activated	4.2	UN1362	III	4.2	IB8, IP3, T1, TP33, W31	None	213	241	0.5 kg	0.5 kg	A	12, 25
Carbon, animal or vegetable origin	4.2	UN1361	II	4.2	IB6, T3, TP33	None	212	242	Forbidden	Forbidden	A	12, 25
Carbon bisulfide, see Carbon disulfide												
Carbon dioxide	2.2	UN1013	III	2.2	IB8, IP3, T1, TP33	None	213	241	75 kg	150 kg	A	12, 25
						306	302, 304	302, 314, 315				

§ 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
A W	Carbon dioxide, refrigerated liquid	2.2	UN2187		2.2	T75, TP5	306	304	314, 315	50 kg	500 kg	D	
	Carbon dioxide, solid or Dry Ice	9	UN1845		None		217	217	240	200 kg	200 kg	C	40
	Carbon disulfide	3	UN1131	I	3, 6.1	B16, T14, TP2, TP7, TP13, W31	None	201	243	Forbidden	Forbidden	D	40, 78, 115
D	Carbon monoxide, compressed	2.3	UN1016		2.3, 2.1	4	None	302	314, 315	Forbidden	25 kg	D	40
	Carbon monoxide, refrigerated liquid (cryogenic liquid)	2.3	NA9202		2.3, 2.1	4, T75, TP5	None	316	318	Forbidden	Forbidden	D	
	Carbon tetrachloride	6.1	UN2516	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	25
	Carbonyl chloride, see Phosgene	6.1	UN1846	II	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A	40
	Carbonyl fluoride	2.3	UN2417		2.3, 8	2	None	302	None	Forbidden	Forbidden	D	40
	Carbonyl sulfide	2.3	UN2204		2.3, 2.1	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	<i>Cartridge cases, empty primed, see Cases, cartridge, empty, with primer</i>												
	<i>Cartridges, actuating, for aircraft ejector seat catapult, fire extinguisher, canopy removal or apparatus, see Cartridges, power device</i>												
	<i>Cartridges, explosive, see Charges, demolition</i>												
	<i>Cartridges, sporting, see Cartridges for weapons, inert projectile, or Cartridges, small arms</i>												
	Cartridges, flash	1.1G	UN0049		1.1G		None	62	None	Forbidden	Forbidden	03	25
	Cartridges, flash	1.3G	UN0050		1.3G		None	62	None	Forbidden	75 kg	03	25
	Cartridges for weapons, blank	1.1C	UN0326		1.1C		None	62	None	Forbidden	Forbidden	03	25
	Cartridges for weapons, blank	1.2C	UN0413		1.2C		None	62	None	Forbidden	Forbidden	03	25
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.3C	UN0327		1.3C		None	62	None	Forbidden	Forbidden	03	25
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.4C	UN0338		1.4C		None	62	None	Forbidden	75 kg	02	25

Cartridges for weapons, blank or Cartridges, small arms, blank or Cartridges for tools, blank	1.4S UN0014	.....	None	.....	None	62	.....	63	.....	None	25 kg	100 kg	01	25
Cartridges for weapons, inert projectile	1.2C UN0328	.....	1.2C	.....	None	62	.....	None	.....	Forbiddn	Forbiddn	Forbiddn	03	25
Cartridges for weapons, inert projectile or Cartridges, small arms	1.4S UN0012	.....	None	.....	63	62	.....	63	.....	25 kg	100 kg	100 kg	01	25
Cartridges for weapons, inert projectile or Cartridges, small arms	1.4C UN0339	.....	1.4C	.....	None	62	.....	None	.....	Forbiddn	75 kg	75 kg	02	25
Cartridges for weapons, inert projectile or Cartridges, small arms	1.3C UN0417	.....	1.3C	.....	None	62	.....	None	.....	Forbiddn	Forbiddn	Forbiddn	03	25
Cartridges for weapons, small arms	1.1F UN0005	.....	1.1F	.....	None	62	.....	None	.....	Forbiddn	Forbiddn	Forbiddn	03	25
Cartridges for weapons, with bursting charge	1.1E UN0006	.....	1.1E	.....	None	62	.....	None	.....	Forbiddn	Forbiddn	Forbiddn	03	25
Cartridges for weapons, with bursting charge	1.2F UN0007	.....	1.2F	.....	None	62	.....	None	.....	Forbiddn	Forbiddn	Forbiddn	03	25
Cartridges for weapons, with bursting charge	1.2E UN0321	.....	1.2E	.....	None	62	.....	None	.....	Forbiddn	Forbiddn	Forbiddn	03	25
Cartridges for weapons, with bursting charge	1.4F UN0348	.....	1.4F	.....	None	62	.....	None	.....	Forbiddn	Forbiddn	Forbiddn	03	25
Cartridges for weapons, with bursting charge	1.4E UN0412	.....	1.4E	.....	None	62	.....	None	.....	Forbiddn	75 kg	75 kg	03	25
Cartridges, oil well	1.3C UN0277	.....	1.3C	.....	None	62	.....	None	.....	Forbiddn	Forbiddn	Forbiddn	03	25
Cartridges, oil well	1.4C UN0278	.....	1.4C	.....	None	62	.....	None	.....	Forbiddn	Forbiddn	Forbiddn	02	25
Cartridges, power device	1.3C UN0275	.....	1.3C	.....	None	62	.....	None	.....	Forbiddn	75 kg	75 kg	03	25
Cartridges, power device	1.4C UN0276	.....	1.4C	.....	None	62	.....	None	.....	Forbiddn	75 kg	75 kg	02	25
Cartridges, power device	1.4S UN0283	.....	1.4S	.....	110, 347	62	.....	63	.....	25 kg	100 kg	100 kg	01	25
Cartridges, power device	1.2C UN0381	.....	1.2C	.....	110, 347	62	.....	63	.....	Forbiddn	Forbiddn	Forbiddn	03	25
Cartridges power device (used to project fastening devices)	ORIM-D	.....	None	.....	222	None	.....	63	.....	30 kg gross	Forbiddn	Forbiddn	A	25
Cartridges, safety, blank, see Cartridges for weapons, blank (UN 0014)														
Cartridges, safety, see Cartridges for weapons, inert projectile, or Cartridges, small arms or Cartridges, power device (UN 0323)	1.3G UN0054	.....	1.3G	.....	None	62	.....	None	.....	Forbiddn	75 kg	75 kg	03	25
Cartridges, signal	1.4G UN0312	.....	1.4G	.....	None	62	.....	None	.....	Forbiddn	75 kg	75 kg	02	25
Cartridges, signal	1.4S UN0405	.....	1.4S	.....	None	62	.....	None	.....	Forbiddn	25 kg	100 kg	01	25
Cartridges, small arms	ORIM-D	.....	None	.....	222	None	.....	63	.....	30 kg gross	Forbiddn	Forbiddn	A	25
Cartridges, starter, jet engine, see Cartridges, power device														
Cases, cartridge, empty with primer	1.4S UN0055	.....	1.4S	.....	50	62	.....	63	.....	25 kg	100 kg	100 kg	01	25
Cases, cartridges, empty with primer	1.4C UN0379	.....	1.4C	.....	50	62	.....	None	.....	Forbiddn	75 kg	75 kg	02	25
Cases, combustible, empty, without primer	1.4C UN0446	1.4C	62	None	Forbiddn	75 kg	75 kg	02	25

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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)
A W	Cases, combustible, empty, without primer <i>Casinghead gasoline see Gasoline</i>	1.3C	UN0447	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	03	25
	Castor beans or Castor meal or Castor pomace or Castor flake	9	UN2969	II	None	IB8, IP2, IP4, T3, TP33	155	204	240	No limit	No limit	E	34, 40, 44, 122
	<i>Catecholborane</i>	.....	UN1719	.....	8	A210	154	202	242	1 L	30 L	A	29, 52
	Cautic alkali liquids, n.o.s.	8	UN1719	III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	29, 52
G	Cautic potash, see Potassium hydroxide etc	4.3	UN3292	.....	4.3	.....	189	189	189	25 kg	No limit	A	
	Cautic soda, (etc.) see Sodium hydroxide etc	4.1	UN2000	III	4.1	420	151	213	240	25 kg	100 kg	A	
	Cells, containing sodium	4.2	UN2002	III	4.2	IB8, IP3	None	213	241	Forbidden	Forbidden	D	
	Celluloid, in block, rods, rolls, sheets, tubes, etc., except scrap	4.1	UN1333	II	4.1	IB8, IP2, IP4, N34, W100	151	212	240	15 kg	50 kg	A	13, 74, 91, 147, 148
	Celluloid, scrap	4.3	UN3078	II	4.3	A1, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	E	13, 52, 148
	Cement, see Adhesives containing flammable liquid	4.3	UN1407	I	4.3	A7, A19, IB4, IP1, N34, N40, W31	None	211	242	Forbidden	15 kg	D	13, 52, 148
	Cerium, slabs, ingots, or rods	5.1	UN1451	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Cerium, turnings or gritty powder	4.2	NA1361	III	4.2	IB8, T1, TP33	151	213	240	25 kg	100 kg	A	12
	Cesium or Caesium	1.1D	UN0457	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	03	25
	Cesium nitrate or Caesium nitrate	1.2D	UN0458	.....	1.2D	.....	None	62	None	Forbidden	Forbidden	03	25
D	Charcoal briquettes, shell, screenings, wood, etc.	1.4D	UN0459	.....	1.4D	.....	None	62	None	Forbidden	75 kg	02	25
	Charges, bursting, plastics bonded	1.4S	UN0460	.....	1.4S	347	None	62	None	25 kg	100 kg	01	25
	Charges, bursting, plastics bonded	1.1D	UN0048	.....	1.1D	.....	None	62	62	Forbidden	Forbidden	03	25
	Charges, demolition	1.1D	UN0056	.....	1.1D	.....	None	62	62	Forbidden	Forbidden	03	25
	Charges, depth	.....	UN0056	.....	.....	.....	None	62	62	Forbidden	Forbidden	03	25
	Charges, bursting, plastics bonded	.....	.....	.....	.....	.....	None	62	62	Forbidden	Forbidden	03	25

Charges, expelling, explosive, for fire extinguishers, see Cartridges, power device	1.1D	UN0442	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, explosive, commercial without detonator	1.2D	UN0443	.....	1.2D	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, explosive, commercial without detonator	1.4D	UN0444	.....	1.4D	.....	None	62	None	Forbiddén	75 kg	02	25
Charges, explosive, commercial without detonator	1.4S	UN0445	.....	1.4S	.....	347	62	None	25 kg	100 kg	01	25
Charges, propelling	1.1C	UN0271	.....	1.1C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, propelling	1.3C	UN0272	.....	1.3C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, propelling	1.2C	UN0415	.....	1.2C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, propelling	1.4C	UN0491	.....	1.4C	.....	None	62	None	Forbiddén	75 kg	02	25
Charges, propelling, for cannon	1.3C	UN0242	.....	1.3C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, propelling, for cannon	1.1C	UN0279	.....	1.1C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, propelling, for cannon	1.2C	UN0414	.....	1.2C	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, shaped, flexible, linear	1.4D	UN0237	.....	1.4D	.....	None	62	None	Forbiddén	75 kg	02	25
Charges, shaped, flexible, linear	1.1D	UN0288	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	04	25
Charges, shaped, without detonator	1.1D	UN0059	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, shaped, without detonator	1.2D	UN0439	.....	1.2D	.....	None	62	None	Forbiddén	Forbiddén	03	25
Charges, shaped, without detonator	1.4D	UN0440	.....	1.4D	.....	None	62	None	Forbiddén	75 kg	02	25
Charges, shaped, without detonator	1.4S	UN0441	.....	1.4S	.....	347	62	None	25 kg	100 kg	01	25
Charges, supplementary explosive	1.1D	UN0060	.....	1.1D	.....	None	62	None	Forbiddén	Forbiddén	03	25
Chemical kit	8	NA1760	II	8	.....	154	161	None	1 L	30 L	B	40
Chemical kit	9	UN3316	.....	9	.....	161	161	None	10 kg	10 kg	A	40
Chemical under pressure, corrosive, n.o.s	2.2	UN3503	.....	2.2, 8	.....	None	335	313, 315	Forbiddén	100 kg	D	40
Chemical under pressure, flammable, corrosive, n.o.s	2.1	UN3505	.....	2.1, 8	.....	None	335	313, 315	Forbiddén	75 kg	D	40
Chemical under pressure, flammable, n.o.s	2.1	UN3501	.....	2.1	.....	None	335	313, 315	Forbiddén	75 kg	D	40
Chemical under pressure, flammable, toxic, n.o.s	2.1	UN3504	.....	2.1, 6.1	.....	None	335	313, 315	Forbiddén	75 kg	D	40
Chemical under pressure, n.o.s	2.2	UN3500	.....	2.2	.....	None	335	313, 315	75 kg	150 kg	B	40
Chemical under pressure, toxic, n.o.s	2.2	UN3502	.....	2.2, 6.1	.....	None	335	313, 315	Forbiddén	100 kg	D	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	II	5.1	.....	152	202	242	25 kg	100 kg	A	56, 58
									1 L	5 L	A	56, 58, 133

§ 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>Chlorate of potash, see Potassium chlorate</i> <i>Chlorate of soda, see Sodium chlorate</i> Chlorates, inorganic, aqueous solution, n.o.s	5.1	UN3210	III	5.1	A9, IB2, N34, T4, TP1	152	203	241	2.5 L	30 L	A	56, 58, 133
G	Chlorates, inorganic, n.o.s	5.1	UN3210	II	5.1	351, IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
G	Chlorates, inorganic, n.o.s	5.1	UN1461	III	5.1	351, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
	Chloric acid aqueous solution, with not more than 10 percent chloric acid <i>Chloride of phosphorus, see Phosphorus trichloride</i> <i>Chloride of sulfur, see Sulfur chloride</i> <i>Chlorinated lime, see Calcium hypochlorite mixtures, etc</i> Chlorine	5.1	UN2626	II	5.1	351, A9, IB6, IP2, N34, T3, TP33 IB2, T4, TP1, W31	152	229	None	Forbidden	25 kg	A	56, 58
	Chlorine, adsorbed	2.3	UN1017	.....	2.3, 5.1, 8	2, B9, B14, N86, T50, TP19	None	304	314, 315	Forbidden	Forbidden	D	40, 51, 55, 62, 68, 89, 90
D	<i>Chlorine azide</i> Chlorine dioxide, hydrate, frozen <i>Chlorine dioxide (not hydrate)</i> Chlorine pentafluoride Chlorine trifluoride	Forbidden 5.1 Forbidden 2.3	NA9191 UN2548 UN1749	II	5.1, 6.1 2.3, 5.1, 8	2, B9, B14, N86	None None None	229 304 304	None 314 314	Forbidden Forbidden Forbidden	Forbidden Forbidden Forbidden	E D D	40, 89, 90 40, 89, 90 40, 89, 90

Chlorite solution	8	UN1908	II	8	A3, A7, B2, IB2, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26, 44, 89, 100, 141
Chlorites, inorganic, n.o.s.	5.1	UN1462	II	5.1	352, A7, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	26, 44, 89, 100, 141
1-Chloro-1,1-difluoroethane or Refrigerant gas R 142b	2.1	UN2517	III	2.1	IB2, T50	306	304	314, 315	Forbidden	150 kg	B	40
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-1,2,2,2-tetrafluoroethane or Refrigerant gas R 124	2.2	UN1021	III	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	II	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, 53, 58
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, 53, 58
Chloroacetic acid, solution	6.1	UN1750	II	6.1, 8	A7, IB2, N34, T7, TP2	153	202	243	1 L	30 L	C	40, 53, 58
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
Chloroacetone (unstabilized)	Forbidden											
Chloroacetonitrile	6.1	UN2668	I	6.1, 3	2, B9, B14, B32, IB9, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	12, 25, 40, 52
Chloroacetophenone, liquid, (CM)	6.1	UN3416	II	6.1	A3, IB2, N12, N32, N33, T7, TP2, TP13	None	202	243	Forbidden	60 L	D	12, 25, 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, 25, 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, 53, 58
Chloroanilines, liquid	6.1	UN2019	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	52
Chloroanilines, solid	6.1	UN2018	II	6.1	IB8, IP2, IP4, T3, 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	

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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)	Other (10B)	Loca-tion (10A)	
+	Chlorobenzotrifluorides Chlorobenzyl chlorides, liquid Chlorobenzyl chlorides, solid Chlorobutanes Chlorocresols solution Chlorocresols, solid Chlorodifluorobromomethane or Re-frigerant gas R 12B1 Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R 502 with fixed boiling point, with approxi-mately 49 percent chlorodifluoromethane or Refrig-erant gas R 22 Chlorodifluoromethane or Chlorodinitrobenzenes, liquid. Chlorodinitrobenzenes, solid 2-Chloroethanal	3	UN2234	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
		6.1	UN2335	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
		6.1	UN3427	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
		3	UN1127	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
		6.1	UN2669	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 25	
		6.1	UN3437	III	6.1	IB3, T7, TP2	153	203	241	60 L	220 L	A	12, 25	
		2.2	UN1974	II	2.2	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	12, 25	
		2.2	UN1973	II	2.2	T50	306	314, 315	314, 315	75 kg	150 kg	A		
		2.2	UN1018	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A		
		6.1	UN1577	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	91	
+	Chlorodinitrobenzenes, liquid. Chlorodinitrobenzenes, solid 2-Chloroethanal	6.1	UN3441	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	91	
		6.1	UN2232	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40	
G	Chloroform Chloroformates, toxic, corrosive, flammable, n.o.s	6.1	UN1888	III	6.1	IB3, N36, T7, TP2	153	203	241	60 L	220 L	A	40	
		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, 53, 58, 100	
G	Chloroformates, toxic, corrosive, n.o.s Chloromethyl chloroformate	6.1	UN3277	II	6.1, 8	IB2, T8, TP2, TP13, TP28	153	202	243	1 L	30 L	A	12, 13, 25, 40, 53, 58, 100	
		6.1	UN2745	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	25, 40, 53, 58	
+	Chloromethyl ethyl ether Chloronitroanilines Chloronitrobenzenes, liquid	3	UN2354	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40	
		6.1	UN2237	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	44, 89, 100, 141	
		6.1	UN3409	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A		
+	Chloronitrobenzenes, solid	6.1	UN1578	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		

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	
Chloropentfluoroethane or Refrigerant gas R 115	2.2	UN1020	III	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Chlorophenolates, liquid or Phenolates, liquid or solid	8	UN2904	III	8	IB3	154	203	241	5 L	60 L	A	
Chlorophenolates, solid	8	UN2905	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
Chlorophenols, liquid	6.1	UN2021	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Chlorophenols, solid	6.1	UN2020	III	6.1	IB8, IP3, T1, TP1, TP33	153	213	240	100 kg	200 kg	A	
Chlorophenyltrichlorosilane	8	UN1753	II	8	A7, B2, B6, N34, T10, TP2, TP7	None	206	242	Forbidden	30 L	C	40, 53, 58
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, B9, B14, N86, T50	None	193	314, 315	Forbidden	Forbidden	D	25, 40
Chloropicrin and methyl chloride mixtures	2.3	UN1582		2.3	2, N86, T50	None	193	245	Forbidden	Forbidden	D	25, 40
Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc												
Chloropicrin mixtures, n.o.s	6.1	UN1583	I	6.1	5	None	201	243	Forbidden	Forbidden	C	40
			II	6.1	IB2	153	202	243	Forbidden	Forbidden	C	40
			III	6.1	IB3	153	203	241	Forbidden	Forbidden	C	40
	6.1	NA9263	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40
Chloropivaloyl chloride	8	UN2507	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	53, 58
Chloroplatinic acid, solid	3	UN1991	I	3, 6.1	387, B57, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	25, 40
Chloroprene, stabilized	Forbidden											
Chloroprene, uninhibited	Forbidden											
1-Chloropropane	3	UN1278	II	3	IB2, IP8, N34, T7, TP2	150	202	242	Forbidden	60 L	E	
2-Chloropropane	3	UN2356	I	3	N36, T11, TP2, TP13	150	201	243	1 L	30 L	E	
3-Chloropropanol-1	6.1	UN2849	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
2-Chloropropene	3	UN2456	I	3	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, 53, 58
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, 53, 58
Chlorosilanes, corrosive, n.o.s	8	UN2987	II	8	B2, T14, TP2, TP7, TP13, TP27	None	206	242	Forbidden	30 L	C	40, 53, 58
Chlorosilanes, flammable, corrosive, n.o.s	3	UN2985	II	3, 8	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	5 L	B	40, 53, 58
Chlorosilanes, toxic, corrosive, flammable, n.o.s	6.1	UN3362	II	6.1, 8, 3	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	C	40, 53, 58, 125

§ 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	Chlorosilanes, toxic, corrosive, n.o.s	6.1	UN3361	II	6.1, 8	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	30 L	C	40, 53, 58
	Chlorosilanes, water-reactive, flammable, corrosive, n.o.s	4.3	UN2988	I	4.3, 3, 8	A2, T14, TP2, TP7, TP13, W31	None	201	244	Forbidden	1 L	D	13, 21, 40, 49, 53, 58, 100, 147, 148
+	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, 53, 58
	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	
	Chromic acid solution	8	UN1755	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 44, 53, 58, 89, 100, 141
	Chromic anhydride, see Chromium trioxide, anhydrous			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	40, 44, 53, 58, 89, 100, 141
	Chromic fluoride, solid	8	UN1756	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52, 53, 58
	Chromic fluoride, solution	8	UN1757	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	53, 58
				III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58
				III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58

Chromium nitrate	5.1	UN2720	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	40, 53, 58, 66, 74, 89, 90
Chromium oxychloride	8	UN1758	I	8	A7, B10, N34, T10, TP2	None	201	243	0.5 L	2.5 L	C	40, 53, 58, 66, 74, 89, 90
Chromium trioxide, anhydrous	5.1	UN1463	II	5.1, 6.1, 8	IB8, IP2, IP4, T3, TP33, W31	152	212	242	5 kg	25 kg	A	66, 90
Chromosulfuric acid	8	UN2240	I	8	A7, B4, B6, N34, T10, TP2, TP13	None	201	243	0.5 L	2.5 L	B	40, 53, 58, 66, 74, 89, 90
<i>Chromyl chloride, see Chromium oxychloride</i> <i>Cigar and cigarette lighters, charged with fuel, see Lighters or Lighter refills containing flammable gas.</i> <i>Coal briquettes, hot</i> <i>Coal gas, compressed</i>	Forbidden	UN1023		2.3, 2.1	3	None	302	314, 315	Forbidden	Forbidden	D	40
<i>Coal tar distillates, flammable</i>	3	UN1136	II III	3 3	IB2, T4, TP1 B1, IB3, T4, TP1, TP29	150 150	202 203	242 242	5 L 60 L	60 L 220 L	B A	
<i>Coal tar dye, corrosive, liquid, n.o.s., see Dyes, liquid or solid, n.o.s. or Dye intermediates, liquid or solid, corrosive, n.o.s.</i> <i>Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)</i>	3	UN1139	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	.....
<i>Cobalt naphthenates, powder</i> <i>Cobalt resinates, precipitated</i> <i>Coke, hot</i> <i>Collodion, see Nitrocellulose etc</i>	4.1 4.1 Forbidden	UN2001 UN1318	II III III III	3 3 4.1 4.1	149, IB2, T4, TP1, TP8 B1, IB3, T2, TP1 A19, IB8, IP3, T1, TP33 A1, A19, IB6, T1, TP33	150 150 151 151	202 203 213 213	242 242 240 240	5 L 60 L 25 kg 25 kg	60 L 220 L 100 kg 100 kg	B A A A	.....
<i>Combustible liquid, n.o.s.</i> <i>Components, explosive train, n.o.s.</i> <i>Components, explosive train, n.o.s.</i> <i>Components, explosive train, n.o.s.</i> <i>Components, explosive train, n.o.s.</i> <i>Composition B, see Hexollite, etc</i> <i>Compounds, cleaning liquid</i>	Comb liq 1.2B 1.4B 1.4S 1.1B	NA1993 UN0382 UN0383 UN0384 UN0461	III	None 1.2B 1.4B 1.4S 1.1B	148, IB3, T1, TP1 101 101 101, 347 101	150 None None None None	203 62 62 62 62	241 None None None None	60 L Forbidden Forbidden 25 kg Forbidden	220 L Forbidden 75 kg 100 kg Forbidden	A 05 05 01 05	..... 25 25 25 25
	8	NA1760	I II	8 8	A7, B10, T14, TP2, TP27 386, B2, IB2, N37, T11, TP2, TP27	None 154	201 202	243 242	0.5 L 1 L	2.5 L 30 L	B B	40 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	386, 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	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	T11, TP1	150	201	243	1 L	30 L	E	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	6.1	NA2810	I	6.1	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	6.1	NA2810	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	2.1	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	III	2.1		306	302, 305	314, 315	Forbidden	150 kg	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3304	II	2.2	A14	306, 307	302, 305	314, 315	75 kg	150 kg	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3304	I	2.3, 8		None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3304	I	2.3, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3304	I	2.3, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C	2.3	UN3304	I	2.3, 8		None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone D	2.3	UN3304	I	2.3, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3305	I	2.3, 2.1, 8	1	None	192	245	Forbidden	Forbidden	D	17, 40

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G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3305	2.3, 2.1, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3305	2.3, 2.1, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G I	Compressed gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3305	2.3, 2.1, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN1953	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN1953	2.3, 2.1	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN1953	2.3, 2.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN1953	2.3, 2.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN1955	2.3	1	None	192	245	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN1955	2.3	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN1955	2.3	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
G	Compressed gas, toxic, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN1955	2.3	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
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	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	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	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	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	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	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	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	Forbidden	D	40
D	Consumer commodity	ORM-D	.....	None	222	156, 306	167	None	30 kg gross	Forbidden	A	
	Consumer commodity	9	ID8000	9	167	167	None	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 propelling charge	1.2L	UN0248	.....	1.2L	.....	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
G	Contrivances, water-activated, with bursting, expelling charge or propelling charge	1.3L	UN0249	.....	1.3L	.....	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	Copper acetoarsenite	6.1	UN1585	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper acetylacide	Forbidden											
	Copper amine azide	6.1	UN1586	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper arsenite	6.1	UN2776	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Copper based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	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	II	5.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Copper chloride	8	UN2802	III	8	IB8, IP3, T1, TP33	154	213	240	100 kg	200 kg	A	40
	Copper cyanide	6.1	UN1587	II	6.1	A1, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Copper selenate, see Selenates or Selenites					IB8, IP2, IP4, T3, TP33	153	204	242	25 kg	100 kg	A	53, 58

A,W	Copper selenite, see Selenates or Selenites Copper tetramine nitrate Copia	Forbidden 4.2	UN1363	III	4.2	B136, IB3, IP3, IP7	None	213	241	Forbidden	Forbidden	A	13, 25, 119
	Cord, detonating, flexible	1.1D	UN0065	.....	1.1D	102, 148	63(a)	62	None	Forbidden	Forbidden	03	25
	Cord, detonating, flexible	1.4D	UN0289	.....	1.4D	148	None	62	None	Forbidden	Forbidden	02	25
	Cord, detonating or Fuze, detonating metal clad	1.2D	UN0102	.....	1.2D	.....	None	62	None	Forbidden	Forbidden	03	25
	Cord, detonating or Fuze, detonating metal clad	1.1D	UN0290	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	03	25
	Cord, detonating, mild effect or Fuze, detonating, mild effect metal clad	1.4D	UN0104	.....	1.4D	.....	None	62	None	Forbidden	75 kg	02	25
	Cord, igniter	1.4G	UN0066	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
G	Cordeau detonant fuse, see Cord, detonating, etc; Cord, detonating, flexible Cordite, see Powder, smokeless Corrosive liquid, acidic, inorganic, n.o.s	8	UN3264	I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 53, 58
				II	8	386, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 53, 58
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 53, 58
G	Corrosive liquid, acidic, organic, n.o.s	8	UN3265	I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 53, 58
				II	8	148, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 53, 58
				III	8	386, IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 53, 58
G	Corrosive liquid, basic, inorganic, n.o.s	8	UN3266	I	8	T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 52
				II	8	386, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 52
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52
G	Corrosive liquid, basic, organic, n.o.s	8	UN3267	I	8	B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 52
				II	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40, 52
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52
G	Corrosive liquid, self-heating, n.o.s	8	UN3301	I	8, 4.2	B10	None	201	243	0.5 L	2.5 L	D	25, 40
				II	8, 4.2	B2, IB1	154	202	242	1 L	30 L	D	25, 40
				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	UN1760	I	8, 3	B2, IB2, T11, TP2, TP27	154	202	243	1 L	30 L	C	25, 40
				II	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
				III	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
G	Corrosive liquids, oxidizing, n.o.s	8	UN3093	I	8, 5.1	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
				II	8, 5.1	A6, A7	None	201	243	Forbidden	2.5 L	C	89

§ 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 liquids, toxic, n.o.s	8	UN2922	II	8, 5.1 8, 6.1	A6, A7, IB2 A7, B10, T14, TP2, TP13, TP27	154 None	202 201	243 243	1 L 0.5 L	30 L 2.5 L	C B	89 40	
G	Corrosive liquids, water-reactive, n.o.s	8	UN3094	III	8, 6.1 8, 6.1 8, 4.3	B3, IB2, T7, TP2 IB3, T7, TP1, TP28 A7	154 154 None	202 203 201	243 241 243	1 L 5 L Forbidden	30 L 60 L 1 L	B B E	40 40 13, 148	
G	Corrosive solid, acidic, inorganic, n.o.s	8	UN3260	II	8, 4.3 8	IB7, IP1, T6, TP33 A7	None None	202 211	243 242	1 L 1 kg	5 L 25 kg	E B	13, 148 53, 58	
G	Corrosive solid, acidic, organic, n.o.s	8	UN3261	III	8 8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	154 154	212 213	240 240	15 kg 25 kg	50 kg 100 kg	B A	53, 58 53, 58	
G	Corrosive solid, basic, inorganic, n.o.s	8	UN3262	III	8 8	IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33	None 154	211 213	242 240	1 kg 25 kg	50 kg 100 kg	B A	53, 58 53, 58	
G	Corrosive solid, basic, organic, n.o.s	8	UN3263	III	8 8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	154 154	212 213	240 240	15 kg 25 kg	50 kg 100 kg	B A	52 52	
G	Corrosive solids, flammable, n.o.s	8	UN2921	III	8, 4.1 8, 4.1	IB6, T6, TP33 IB8, IP2, IP4, T3, TP33	None 154	211 212	242 242	1 kg 15 kg	25 kg 50 kg	B B	12, 25 12, 25	
G	Corrosive solids, n.o.s.	8	UN1759	II	8 8	128, IB8, IP2, IP4, T3, TP33	154 154	212 212	240 240	15 kg 15 kg	50 kg 50 kg	A A	52 52	
G	Corrosive solids, oxidizing, n.o.s	8	UN3084	III	8, 5.1 8, 5.1	128, IB8, IP3, T1, TP33 T6, TP33	154 None	213 211	240 242	25 kg 1 kg	100 kg 50 kg	A C	52 52	
G	Corrosive solids, self-heating, n.o.s	8	UN3095	I	8, 4.2 8, 4.2	154, IB6, IP2, T3, TP33 T6, TP33	154 None	212 211	242 243	15 kg 1 kg	25 kg 50 kg	B C	12, 25 12, 25	
G	Corrosive solids, toxic, n.o.s	8	UN2923	III	8, 6.1 8, 6.1	IB6, IP2, T3, TP33 IB7, T6, TP33	154 None	212 211	242 240	15 kg 1 kg	25 kg 50 kg	B B	40 40	
G	Corrosive solids, toxic, n.o.s	8	UN2923	III	8, 6.1 8, 6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	154 154	213 213	240 240	25 kg 25 kg	100 kg 100 kg	B B	40 40	

G	UN3096	I	8, 4.3	IB4, IP1, T6, TP33	None	211	243	1 kg	25 kg	D	13, 148
D W A W A I W	9	II	8, 4.3	IB6, IP2, T3, TP33, W100	154	212	242	15 kg	50 kg	D	13, 148
	4.2	III	9	137, IB8, IP2, IP4, W41	None	None	None	No limit	No limit	A	54
	4.2	III	4.2	IB8, IP3, IP7	None	213	None	Forbidden	Forbidden	A	
	4.2	III	4.2	IB8, IP3, IP7	None	204	241	Forbidden	Forbidden	A	
	3	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	6.1	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	6.1	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	6.1	III	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
	6.1	III	6.1	IB3, T7, TP1, TP28	153	203	242	60 L	220 L	A	40
	6.1	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	6.1	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	6.1	III	6.1, 3	B1, IB3, T7, TP1, TP28	153	203	242	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	
6.1	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40	
6.1	II	6.1, 8	IB2, IP2, IP4, T7, TP2	153	202	243	1 L	30 L	B		
6.1	II	6.1, 8	IB8, IP2, IP4, T3, TP33	153	212	242	15 kg	50 kg	B		
6.1	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	B		
6.1	I	6.1, 3	2, 175, 387, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	25, 40	
8	III	8	IB8, T1	154	203	241	5 L	60 L	A	12, 25, 53, 58	
8	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25, 53, 58	
3	I	3	T11, TP2	150	201	243	1 L	30 L	E	52	
8	II	8, 6.1	IB2, T7, TP2	154	202	243	1 L	30 L	A	52	
8, 6.1	III	8, 6.1	IB3, T7, TP1, TP28	154	203	242	5 L	60 L	A	52, 95	
1.4S	.....	1.4S	.....	None	62	62	25 kg	100 kg	01	25
6.1	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52	
6.1	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	A	40, 52	
6.1	III	6.1	IB3, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	40, 52	
6.1	I	6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	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)	
														(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
				II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52	
				III	6.1	IB8, IP3, N74, N75, T1, TP33	153	213	240	100 kg	200 kg	A	52	
	Cyanogen	2.3	UN1026		2.3, 2.1	2	None	304	245	Forbidden	Forbidden	D	40	
	Cyanogen bromide	6.1	UN1889	I	6.1, 8	A6, A8, T6, TP33, W31	None	211	242	1 kg	15 kg	D	40, 52	
	Cyanogen chloride, stabilized	2.3	UN1589	....	2.3, 8	1, 387	None	192	245	Forbidden	Forbidden	D	25, 40
	Cyanuric chloride	8	UN2670	II	8	IB8, IP2, IP4, T3, TP33	None	212	240	15 kg	50 kg	A	12, 25, 40, 53, 58	
	<i>Cyanuric triazide</i>	Forbidden												
	Cyclobutane	2.1	UN2601		2.1		306	304	314, 315	Forbidden	150 kg	B	40	
	Cyclobutyl chloroformate	6.1	UN2744	II	6.1, 8, 3	IB1, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 53, 58, 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, TP2	150	202	242	5 L	60 L	B	40	
	Cycloheptatriene	3	UN2603	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40	
	Cycloheptene	3	UN2242	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B		
	Cyclohexane	3	UN1145	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E		
	Cyclohexanone	3	UN1915	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Cyclohexene	3	UN2256	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E		
	Cyclohexenyltrichlorosilane	8	UN1762	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58	
	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		
	Cyclohexyl mercaptan	3	UN3054	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40, 95, 102	
	Cyclohexylamine	8	UN2357	II	8, 3	IB2, T7, TP2	154	202	243	1 L	30 L	A	40, 52	
	Cyclohexyltrichlorosilane	8	UN1763	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58	

§ 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	Cyclotrimethylenetrinitramine, desensitized or Cyclonite, desensitized or Hexogen, desensitized or RDX, desensitized	1.1D	UN0483	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Cyclotrimethylenetrinitramine, wetted or Cyclonite, wetted or Hexogen, wetted or RDX, wetted with not less than 15 percent water by mass	1.1D	UN0072	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
G	Cymenes	3	UN2046	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Dangerous goods in articles or Dangerous goods in machinery or Dangerous goods in apparatus	9	UN3363	.....	.....	136, A105	None	222	None	See A105	See A105	A	.....
D	Decaborane	4.1	UN1868	II	4.1, 6.1	A19, A20, B6, IP2, T3, TP33, W31	151	212	None	Forbidden	50 kg	A	74
	Decahydronaphthalene	3	UN1147	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	.....
G	n-Decane	3	UN2247	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Deflagrating metal salts of aromatic nitroderivatives, n.o.s.	1.3C	UN0132	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
D	Delay electric igniter, see Igniters	3	NA1987	II	3	172, T8	150	202	242	5 L	60 L	B	.....
	Denatured alcohol	3	NA1987	III	3	172, B1, T7	150	203	242	60 L	220 L	A	.....
G	Depth charges, see Charges, depth	3	UN3379	I	3	164	None	201	None	Forbidden	Forbidden	D	36
	Desensitized explosive, liquid, n.o.s.	4.1	UN3380	I	4.1	164, 197	None	211	None	Forbidden	Forbidden	D	28, 36
G	Desensitized explosives, solid, n.o.s.	1.1B	UN0360	.....	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
	Detonating relays, see Detonators, etc	1.4B	UN0361	.....	1.4B	148	63(f)	62	None	Forbidden	75 kg	05	25
G	Detonator assemblies, non-electric, for blasting	1.4S	UN0500	.....	1.4S	148, 347	63(g)	62	None	25 kg	100 kg	01	25
	Detonator assemblies, non-electric, for blasting	1.1B	UN0030	.....	1.1B	148	63(f), 63(g)	62	None	Forbidden	Forbidden	05	25

Detonators, electric, for blasting	1.4B	UN0255	.....	1.4B	148	63(f), 63(g)	62	None	Forbidden	75 kg	05	25
Detonators, electric for blasting	1.4S	UN0456	.....	1.4S	148, 347	63(f), 63(g)	62	None	25 kg	100 kg	01	25
Detonators, electronic program-mable for blasting	1.1B	UN0511	.....	1.1B	148	63(f), 63(g)	62	None	Forbidden	Forbidden	05	25
Detonators, electronic program-mable for blasting	1.4B	UN0512	.....	1.4B	103	63(f), 63(g)	62	None	Forbidden	75 kg	05	25
Detonators, electronic program-mable for blasting	1.4S	UN0513	.....	1.4S	148, 347	63(f), 63(g)	62	None	25 kg	100 kg	01	25
Detonators for ammunition	1.1B	UN0073	.....	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
Detonators for ammunition	1.2B	UN0364	.....	1.2B	.....	None	62	None	Forbidden	Forbidden	05	25
Detonators for ammunition	1.4B	UN0365	.....	1.4B	.....	None	62	None	Forbidden	75 kg	05	25
Detonators for ammunition	1.4S	UN0366	.....	1.4S	347	None	62	None	25 kg	100 kg	01	25
Detonators, non-electric, for blasting	1.1B	UN0029	.....	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
Detonators, non-electric, for blasting	1.4B	UN0267	.....	1.4B	.....	63(f), 63(g)	62	None	Forbidden	75 kg	05	25
Detonators, non-electric, for blasting	1.4S	UN0455	.....	1.4S	148, 347	63(f), 63(g)	62	None	25 kg	100 kg	01	25
Deuterium, compressed	2.1	UN1957	.....	2.1	N89	306	302	None	Forbidden	150 kg	E	40
Devices, small hydrocarbon gas powered or hydrocarbon gas re-fills for small devices with release device	2.1	UN3150	.....	2.1	.....	306	304	None	1 kg	15 kg	B	40
Di-n-amyamine	3	UN2841	III	3, 6.1	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	52
Di-n-butyl peroxydicarbonate, with more than 52 percent in solution	Forbidden											
Di-n-butylamine	8	UN2248	II	8, 3	IB2, T7, TP2	154	202	243	1 L	30 L	A	52
2,2-Di-(tert-butylperoxy) butane, with more than 55 percent in solution	Forbidden											
Di-(tert-butylperoxy) phthalate, with more than 55 percent in solution	Forbidden											
2,2-Di-(4,4-di-tert-butylperoxycyclohexyl) propane, with more than 42 percent with inert solid	Forbidden											
Di-2,4-dichlorobenzoyl peroxide, with more than 75 percent with water	Forbidden											
1,2-Di-(dimethylamino)ethane	3	UN2372	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Di-2-ethylhexyl phosphoric acid, see Diisooctyl acid phosphate												
Di-(1-hydroxytetrazole) (dhy)	Forbidden											
Di-(1-naphthoyl) peroxide	Forbidden											
a,a'-Di-(nitroxy) methyl ether	Forbidden											
Di-(beta-nitroxyethyl) ammonium ni-trate	Forbidden											
Diacetone alcohol	3	UN1148	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
			III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Diacetone alcohol peroxides, with more than 57 percent in solution with more than 9 percent hydrogen peroxide, less than 20 percent diacetone alcohol and less than 9 percent water; total active oxygen content more than 9 percent by mass	Forbidden											
	Diacetyl, see Butanedione	Forbidden											
	Diacetyl peroxide, solid, or with more than 25 percent in solution	3	UN2359	II	3, 6.1, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	21, 40, 52, 100
	Diallylamine	3	UN2360	II	3, 6.1	IB2, N12, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	Diethyl ether	3	UN2651	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	4,4-Diaminodiphenyl methane	Forbidden											
	p-Diazobenzene	6.1											
	1,2-Diazooethane	Forbidden											
	1,1'-Diazaminonaphthalene	Forbidden											
	Diazaminotetrazole (dry)	Forbidden											
	Diazocinitrophenol (dry)	Forbidden											
	Diazocinitrophenol, wetted with not less than 40 percent water or mixture of alcohol and water, by mass	1.1A	UN0074	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
	Diazodiphenylmethane	Forbidden											
	Diazonium nitrates (dry)	Forbidden											
	Diazonium perchlorates (dry)	Forbidden											
	1,3-Diazopropane	Forbidden											
	Dibenzyl peroxydicarbonate, with more than 87 percent with water	8	UN2434	II	8	B2, T10, TP2, TP7, TP13	154	206	242	Forbidden	30 L	C	40, 53, 58
	Dibenzylchlorosilane	2.3	UN1911		2.3, 2.1	1, N89	None	302	None	Forbidden	Forbidden	D	40, 57
	Diborane	2.1	NA1911		2.1	5	None	302	245	Forbidden	Forbidden	D	40, 57
D	Diborane mixtures	2.1	UN2648	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	40
	Dibromoacetylene	6.1	UN2872	II	6.1		153	202	243	5 L	60 L	A	
	1,2-Dibromobutan-3-one	6.1		II	6.1								
	Dibromochloropropane	6.1		II	6.1								

A	Dibromodifluoromethane, R12B2	9	UN1941	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	25
	1,2-Dibromoethane, see Ethylene dibromide			III	None	T11, TP2	155	203	241	100 L	220 L	A	
	Dibromomethane	6.1	UN2864	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Dibutyl ethers	3	UN1149	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dibutylaminoethanol	6.1	UN2873	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	<i>N,N</i> -Dichlorazodicarbonamide (salts of) (dry)												
	1,1-Dichloro-1-nitroethane	6.1	UN2850	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	12, 25, 40, 74
	3,5-Dichloro-2,4,6-trifluoropyridine	6.1	NA9264	I	6.1	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	40
	Dichloroacetic acid	8	UN1764	II	8	A3, A7, B2, IB2, N34, T8, TP2	154	202	242	1 L	30 L	A	53, 58
	1,3-Dichloroacetone	6.1	UN2649	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 25, 40
D	Dichloroacetyl chloride	8	UN1765	II	8	A3, A7, B2, B6, IB2, N34, T7, TP2	154	202	242	1 L	30 L	D	40, 53, 58
	<i>Dichloroacetylene</i>												
	Dichloroanilines, liquid	6.1	UN1590	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Dichloroanilines, solid	6.1	UN3442	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	<i>o</i> -Dichlorobenzene	6.1	UN1591	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	2,2-Dichlorodiethyl ether	6.1	UN1916	II	6.1, 3	IB2, N33, N34, T7, TP2	153	202	243	5 L	60 L	A	
	Dichlorodifluoromethane	2.2	UN2602	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	difluoroethane azeotropic mixture or Refrigerant gas R 500 with approximately 74 percent dichlorodifluoromethane												
	Dichlorodifluoromethane or Refrigerant gas R 12	2.2	UN1028		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichlorodimethyl ether, symmetrical	6.1	UN2249	I	6.1, 3	IB2, T4, TP1	None	201	243	Forbidden	Forbidden	B	40
+	1,1-Dichloroethane	3	UN2362	II	3		150	202	242	5 L	60 L		40
	1,2-Dichloroethane, see Ethylene dichloride												
	<i>Dichloroethyl sulfide</i>												
	1,2-Dichloroethylene	3	UN1150	II	3	IB2, T7, TP2	150	202	242	5 L	60 L	B	13
	Dichlorofluoromethane or Refrigerant gas R21	2.2	UN1029	II	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts	5.1	UN2465	II	5.1	28, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	
	Dichloroisopropyl ether	6.1	UN2490	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	
	Dichloromethane	6.1	UN1593	III	6.1	IB3, IP8, N36, T7, TP2	153	203	241	60 L	220 L	A	
	Dichloropentanes	3	UN1152	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dichlorophenyl isocyanates	6.1	UN2250	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	25, 40
Dichlorophenyltrichlorosilane	8	UN1766	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58	
+	1,2-Dichloropropane	3	UN1279	II	3	IB2, N36, T4, TP1	150	202	242	5 L	60 L	B	12, 25, 40
	1,3-Dichloropropanol-2	6.1	UN2750	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Dichloropropene and propylene di-chloride mixture, see 1,2-Dichloropropane	3	UN2047	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Dichloropropene	III	3	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dichlorosilane	2.3	UN2189	III	2.3, 2.1, 8	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	2.2	UN1958	III	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	<i>Forbidden</i>												
	<i>Dichlorovinylchloroarsine</i>	Forbidden											
	<i>Dicycloheptadiene, see Bicyclo [2,2,1] hepta-2,5-diene, stabilized</i>												
	Dicyclohexylamine	8	UN2565	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52
	Dicyclohexylammonium nitrite	4.1	UN2687	III	4.1	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	25
	Dicyclopentadiene	3	UN2048	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Didymium nitrate	5.1	UN1465	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
D	Diesel fuel	3	NA1993	III	None	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
I	Diesel fuel	3	UN1202	III	3	144, B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Diethanol nitrosamine dinitrate (dry)</i>	Forbidden											
	Diethoxymethane	3	UN2373	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	3,3-Diethoxypropene	3	UN2374	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Diethyl carbonate	3	UN2366	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Diethyl cellosolve, see Ethylene glycol diethyl ether</i>												
	Diethyl ether or Ethyl ether	3	UN1155	I	3	T11, TP2	150	201	243	1 L	30 L	E	40
	Diethyl ketone	3	UN1156	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Diethyl peroxydicarbonate, with more than 27 percent in solution</i>	Forbidden											
	Diethyl sulfate	6.1	UN1594	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	C	52
	Diethyl sulfide	3	UN2375	II	3	IB2, T7, TP1, TP13	150	202	243	5 L	60 L	E	40, 52
	Diethyamine	3	UN1154	II	3, 8	A3, IB2, N34, T7, TP1	150	202	243	1 L	5 L	E	
	2-Diethylaminoethanol	8	UN2686	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	52
	3-Diethylamino-propylamine	III	3	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	52
	N, N-Diethylaniline	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, 53, 58
<i>Diethylene glycol dinitrate</i>	Forbidden	UN0075	.....	1, 1D	.....	None	62	None	Forbidden	Forbidden	04	25, 21E
<i>Diethyleneglycol dinitrate, desensitized with not less than 25 percent non-volatile water-insoluble phlegmatizer, by mass</i>	8	UN2079	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 52
<i>Diethylenetriamine</i>	8	UN2685	II	8, 3	IB2, T7, TP2	154	202	243	1 L	30 L	A	52
<i>N,N-Diethylethylenediamine</i>	Forbidden											
<i>Diethylgold bromide</i>	8	UN2751	II	8	B2, IB2, T7, TP2	154	212	240	15 kg	50 kg	D	12, 25, 40, 53, 58
<i>Diethythiophosphoryl chloride</i>	8											
<i>Difluorochloroethanes, see Chloro-1,1-difluoroethanes</i>												
<i>1,1-Difluoroethane or Refrigerant gas R 152a</i>	2.1	UN1030		2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
<i>1,1-Difluoroethylene or Refrigerant gas R 1132a</i>	2.1	UN1959		2.1		306	304	None	Forbidden	150 kg	E	40
<i>Difluoromethane or Refrigerant gas R 32</i>	2.1	UN3252	.....	2.1	T50	306	304	314, 315	Forbidden	150 kg	D	40
<i>Difluorophosphoric acid, anhydrous</i>	8	UN1768	II	8	A6, A7, B2, IB2, N5, N34, T8, TP2	154	202	242	1 L	30 L	A	40, 53, 58
<i>2,3-Dihydropyran</i>	3	UN2376	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>1,8-Dihydroxy-2,4,5,7-tetraanthraquinone (chrysamminic acid)</i>	Forbidden											
<i>Diodoacetylene</i>	Forbidden											
<i>Disobutyl ketone</i>	3	UN1157	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
<i>Disobutylamine</i>	3	UN2361	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	52
<i>Disobutylene, isomeric compounds</i>	3	UN2050	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Diisooctyl acid phosphate</i>	8	UN1902	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58
<i>Diisopropyl ether</i>	3	UN1159	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
<i>Diisopropylamine</i>	3	UN1158	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
<i>Disopropylbenzene, hydroperoxide, with more than 72 percent in solution</i>	Forbidden											
<i>Diketene, stabilized</i>	6.1	UN2521	I	6.1, 3	2, 387, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	25, 26, 27, 40
<i>1,2-Dimethoxyethane</i>	3	UN2252	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>1,1-Dimethoxyethane</i>	3	UN2377	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	B	
<i>Dimethyl carbonate</i>	3	UN1161	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Dimethyl chlorophosphate, see Dimethyl thiophosphoryl chloride</i>												
<i>2,5-Dimethyl-2,5-dihydroperoxyhexane, with more than 62 percent with water</i>	Forbidden											
<i>Dimethyl disulfide</i>	3	UN2381	II	3, 6.1	IB2, T7, TP2, TP13	150	202	242	Forbidden	Forbidden	B	40

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(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
	Dimethyl ether	2.1	UN1033		2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
	Dimethyl-N-propylamine	3	UN2266	II	3, 8	IB2, T7, TP2, TP13	150	202	243	1 L	5 L	B	40, 52
	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, 53, 58
	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, 53, 58
	Dimethylamine, anhydrous	2.1	UN1032	.....	2.1	N87, T50	None	304	314, 315	Forbidden	150 kg	D	40, 52
	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	52
	2-Dimethylaminoethyl acrylate, stabilized	6.1	UN3302	II	6.1	387, IB2, T7, TP2	153	202	243	5 L	60 L	D	25
	2-Dimethylaminoethyl methacrylate, stabilized	6.1	UN2522	II	6.1	387, 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
	Dimethylcarbonyl chloride	8	UN2262	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 53, 58
	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, 52
	Dimethyldichlorosilane	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	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	N,N-Dimethylformamide	3	UN2265	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dimethylhexane dithydroperoxide (dry)	Forbidden		III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
	Dimethylhydrazine, symmetrical	6.1	UN2382	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52, 74

Dimethylhydrazine, unsymmetrical	6.1	UN1163	I	6.1, 3, 8	2, B7, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 38, 40, 52, 100, 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		Forbidden	100 kg	A	
1,3-Dinitro-5,5-dimethyl hydantoin	Forbidden											
Dinitro-7,8-dimethylglycoluril (dry)	Forbidden											
1,3-Dinitro-4,5-dinitrosobenzene	Forbidden											
1,4-Dinitro-1,1,4,4-tetramethylolbutane tetranitrate (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	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Dinitromethane	1.1D	UN0076	.....	1.1D, 6.1	.....	None	62	None	Forbidden	Forbidden	04	25, 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	4.1	UN1320	I	4.1, 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	1.3C	UN0077	.....	1.3C, 6.1	23, A8, A19, A20, N41, W31	None	211	None	1 kg	15 kg	E	28, 36
Dinitrophenolates alkali metals, dry or wetted with less than 15 percent water, by mass	4.1	UN1321	I	4.1, 6.1	23, A8, A19, A20, N41, W31	None	211	None	1 kg	15 kg	E	28, 36
Dinitrophenolates, wetted with not less than 15 percent water, by mass	Forbidden											
Dinitropropylene glycol	1.1D	UN0078	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
Dinitroresorcinol, dry or wetted with less than 15 percent water, by mass	Forbidden											
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	UN1322	I	4.1	23, A8, A19, A20, N41, W31	None	211	None	1 kg	15 kg	E	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)
	3,5-Dinitrosalicylic acid (lead salt) (dry)	Forbidden	UN0406	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
	Dinitrosobenzene	1.3C	UN0406	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
	Dinitrosobenzylamine and salts of (dry)	Forbidden											
	2,2-Dinitrosilbene	Forbidden											
	Dinitroethanes, liquid	6.1	UN2038	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Dinitrotoluenes, molten	6.1	UN1600	II	6.1	T7, TP3	None	202	243	Forbidden	Forbidden	C	
	Dinitrotoluenes, solid	6.1	UN3454	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	1,9-Dinitroxy pentamethylene-2,4,6,8-tetramine (dry)	Forbidden											
	Dioxane	3	UN1165	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Dioxolane	3	UN1166	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Dipentene	3	UN2052	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Diphenylamine chloroarsine	6.1	UN1698	I	6.1	T6, TP33, W31	None	201	None	Forbidden	Forbidden	D	40
	Diphenylchloroarsine, liquid	6.1	UN1699	I	6.1	A8, B14, B32, N33, N34, T14, TP2, TP13, TP27, W31	None	201	243	Forbidden	30 L	D	40
	Diphenylchloroarsine, solid	6.1	UN3450	I	6.1	IB7, IP1, T6, TP33, W31	None	211	242	5 kg	50 kg	D	40
	Diphenyldichlorosilane	8	UN1769	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58
	Diphenylmethyl bromide	8	UN1770	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	D	40, 53, 58
	Dipicryl sulfide, dry or wetted with less than 10 percent water, by mass	1.1D	UN0401	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Dipicryl sulfide, wetted with not less than 10 percent water, by mass	4.1	UN2852	I	4.1	162, A2, N41, N84, W31	None	211	None	Forbidden	0.5 kg	D	28, 36
	Dipicrylamine, see Hexanitrodiphenylamine	Forbidden											
	Dipropionyl peroxide, with more than 28 percent in solution	Forbidden											
	Di-n-propyl ether	3	UN2384	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Dipropyl ketone	3	UN2710	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Dipropylamine	3	UN2383	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	25, 52
G	Disinfectant, liquid, corrosive, n.o.s.	8	UN1903	I	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	
G	Disinfectants, liquid, corrosive n.o.s.	8	UN1903	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	B	

G	Disinfectants, liquid, toxic, n.o.s.	6.1	UN3142	III	8	6.1	IB3, T4, TP1 A4, T14, TP2, TP27 IB2, T11, TP2, TP27	154 None	203 201 202	243 243 243	5 L 1 L 30 L	60 L 30 L 60 L	A A A	40 40 40
G	Disinfectants, solid, toxic, n.o.s.	6.1	UN1601	III	6.1	6.1	IB3, T7, TP1, TP28 IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33	153 None 153	211 211 212	241 242 240	5 kg 5 kg 100 kg	50 kg 50 kg 100 kg	A A A	40 40 40
G	Disodium trioxosilicate Dispersant gases, n.o.s., see Refrigerant gases, n.o.s. Divinyl ether, stabilized Dodecyltrichlorosilane	8	UN3253	III	8	6.1	IB8, IP3, T1, TP33 IB8, IP3, T1, TP33	153 154	213 213	240 240	100 kg 25 kg	200 kg 100 kg	A A	40 52
G	Dry ice, see Carbon dioxide, solid Dyes, liquid, corrosive, n.o.s., or Dye intermediates, liquid, corrosive, n.o.s.	3 8	UN1167 UN1771	I II	3 8	387, A7, T11, TP2 A7, B2, B6, N34, T10, TP2, TP7, TP13	None None	201 206	243 242	1 L Forbidden	30 L 30 L	30 L 30 L	E C	25, 40 40, 53, 58
G	Dyes, liquid, toxic, n.o.s., or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	I	8	11, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	2.5 L	A	
G	Dyes, solid, corrosive, n.o.s., or Dye intermediates, solid, corrosive, n.o.s.	8	UN3147	II	8	11, B2, IB2, T11, TP2, TP27 11, IB3, T7, TP1, TP28	154 154	202 203	242 241	1 L 5 L	30 L 60 L	30 L 60 L	A A	
G	Dyes, solid, toxic, n.o.s., or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	I	6.1	IB7, IP1, T6, TP33	153 153	202 203	243 241	5 L 60 L	60 L 220 L	60 L 220 L	A A	
G	Dynamite, see Explosive, blasting, Type A Electrolyte (acid or alkali) for batteries, see Battery fluid, acid or Battery fluid, alkali Elevated temperature liquid, flammable, n.o.s., with flash point above 37.8 C, at or above its flash point Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.) Elevated temperature solid, n.o.s., at or above 240 C, see §173.247(h)(4)	3 9 9	UN3256 UN3257 UN3258	III III III	3 9 9	IB1, T3, TP3, TP29 IB1, T3, TP3, TP29	None None	None None	247 247 247	Forbidden Forbidden Forbidden	Forbidden Forbidden Forbidden	Forbidden Forbidden Forbidden	A A A	85 85 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)
	Engine, internal combustion, flammable gas powered or Engine, fuel cell, flammable gas powered or Machinery, internal combustion, flammable gas powered or Machinery, fuel cell, flammable gas powered	2.1	UN3529	.....	2.1	135, A200	220	220	220	Forbidden	No limit	E	
	Engine, internal combustion, flammable liquid powered or Engine, fuel cell, flammable liquid powered or Machinery, internal combustion, flammable liquid powered or Machinery, fuel cell, flammable liquid powered	3	UN3528	.....	3	135, A200	220	220	220	No limit	No limit	E	149
	Engine, internal combustion or Machinery, internal combustion	9	UN3530	.....	9	135, A200	220	220	220	No limit	No limit	A	
G	Environmentally hazardous substance, liquid, n.o.s.	9	UN3082	III	9	8, 146, 173, 335, 441, IB3, IB3, T4, TP1, TP29	155	203	241	No limit	No limit	A	.....
G	Environmentally hazardous substance, solid, n.o.s.	9	UN3077	III	9	8, 146, 335, 384, 441, A112, A112, BS4, B120, IB8, IP3, N20, N91, T1, TP33	155	213	240	No limit	No limit	A	.....
+	Epibromohydrin	6.1	UN2558	I	6.1, 3	T14, TP2, TP13	None	201	243	Forbidden	Forbidden	D	40
	Epichlorohydrin	6.1	UN2023	II	6.1, 3	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	A	40
	1,2-Epoxy-3-ethoxypropane	3	UN2752	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Esters, n.o.s.	3	UN3272	II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
	<i>Etching acid, liquid, n.o.s., see Hydrofluoric acid, etc</i>	2.1	UN1035		2.1		306	304	302	Forbidden	150 kg	E	40
D	Ethane	2.1	NA1961		2.1	T75, TP5	None	316	314, 315	Forbidden	Forbidden	D	40
	Ethane-Propane mixture, refrigerated liquid	2.1	UN1961		2.1	T75, TP5	None	None	315	Forbidden	Forbidden	D	40
	Ethane, refrigerated liquid	2.1	UN1961		2.1	T75, TP5	None	None	315	Forbidden	Forbidden	D	40
	<i>Ethanol amine dinitrate</i>	Forbidden											

Ethanol and gasoline mixture or Ethanol and motor spirit mixture or Ethanol and petrol mixture, with more than 10% ethanol	3	UN3475	II	3	144, 177, IB2, T4, TP1	150	202	242	5 L	60 L	E	
Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions	3	UN1170	II	3	24, IB2, T4, TP1	4b, 150	202	242	5 L	60 L	A	
Ethanolamine or Ethanolamine solutions	8	UN2491	III	3	24, B1, IB3, T2, TP1	4b, 150	203	242	60 L	220 L	A	52.
Ethers, see Diethyl ether			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
Ethers, n.o.s.	3	UN3271	II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
Ethyl acetate	3	UN1173	III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
Ethyl acrylate, stabilized	3	UN1917	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	25, 40
Ethyl alcohol, see Ethanol	3	UN1917	II	3	387, IB2, T4, TP1, TP13	150	202	242	5 L	60 L	C	
Ethyl aldehyde, see Acetaldehyde												
Ethyl amyl ketone	3	UN2271	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
N-Ethylbenzyloluidines, solid	6.1	UN3460	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
N-Ethyl-N-benzylaniline	6.1	UN2274	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Ethyl borate	3	UN1176	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethyl bromide	6.1	UN1891	II	6.1	IB2, IP8, T7, TP2, TP13	153	202	243	5 L	60 L	B	40, 85
Ethyl bromoacetate	6.1	UN1603	II	6.1, 3	IB2, T7, TP2	153	202	243	Forbiddn	Forbiddn	D	40
Ethyl butyl ether	3	UN1179	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethyl butyrate	3	UN1180	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethyl chloride	2.1	UN1037	II	2.1	B77, N86, T50	None	322	314,	Forbiddn	150 kg	B	40
Ethyl chloroacetate	6.1	UN1181	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Ethyl chloroformate	6.1	UN1182	I	6.1, 3, 8	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	21, 40, 53, 58, 100
Ethyl 2-chloropropionate	3	UN2935	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethyl chloroformate	8	UN2826	II	8, 6.1, 3	2, B9, B14, B32, T20, TP2, TP38, TP45	None	227	244	Forbiddn	Forbiddn	A	40, 53, 58
Ethyl crotonate	3	UN1862	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
Ethyl ether, see Diethyl ether												
Ethyl fluoride or Refrigerant gas R161	2.1	UN2453	II	2.1		306	304	314,	Forbiddn	150 kg	E	40
Ethyl formate	3	UN1190	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
Ethyl hydroperoxide	3	UN2385	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Ethyl isobutyrate	6.1	UN2481	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbiddn	Forbiddn	D	40, 52
Ethyl lactate	3	UN1192	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	95, 102
Ethyl mercaptan	3	UN2363	I	3	T11, TP2, TP13	None	201	243	Forbiddn	30 L	E	
Ethyl methacrylate, stabilized	3	UN2277	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25
Ethyl methyl ether	2.1	UN1039	II	2.1		None	201	314,	Forbiddn	150 kg	B	40
Ethyl methyl ketone or Methyl ethyl ketone	3	UN1193	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	

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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)
D	Ethyl nitrite solutions Ethyl orthoformate Ethyl oxalate <i>Ethyl perchlorate</i> Ethyl phosphonothioic dichloride, anhydrous	3	UN1194	I	3, 6.1	B1, IB3, T2, TP1 IB3, T4, TP1	None	201	None	Forbidden	Forbidden	E	40, 105
		3	UN2524	III	3		150	203	242	60 L	220 L	A	
		6.1	UN2525	III	6.1		153	203	241	60 L	220 L	A	
D	Ethyl phosphonothioic dichloride, anhydrous	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
		6.1	NA2845	I	6.1, 4.2	2, B9, B14, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	18
D	Ethyl phosphorodichloridate	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
D	Ethyl propionate Ethyl propyl ether <i>Ethyl silicate</i> , see Tetraethyl silicate Ethylacetylene, stabilized	3	UN1195	II	3	IB2, T4, TP1 IB2, T4, TP1	150	202	242	5 L	60 L	B	
		3	UN2615	II	3		150	202	242	5 L	60 L	E	
D	Ethylamine Ethylamine, aqueous solution with not less than 50 percent but not more than 70 percent ethylamine	2.1	UN2452	.....	2.1	387, N88	None	304	314, 315	Forbidden	150 kg	B	25, 40
		2.1	UN1036	.....	2.1	B77, N87, T50	None	321	314, 315	Forbidden	150 kg	D	40, 52
D	N-Ethylaniline 2-Ethylaniline Ethylbenzene N-Ethylbenzyltoluidines liquid 2-Ethylbutanol 2-Ethylbutyl acetate 2-Ethylbutylaldehyde Ethylchloroarsine Ethylchlorosilane	3	UN2270	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52.
		6.1	UN2272	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
		6.1	UN2273	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
		3	UN1175	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
		6.1	UN2753	III	6.1	IB3, T7, TP1	153	203	241	60 L	220 L	A	
		3	UN2275	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
		3	UN1177	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
		3	UN1178	III	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
		6.1	UN1892	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
		4.3	UN1183	I	4.3, 8, 3	A2, A7, N34, T14, TP2, TP7, TP13, W31	None	201	244	Forbidden	1 L	D	21, 40, 49, 53, 58, 100

	2.1	UN3138		2.1	T75, TP5	None	304	314, 315	Forbidden	Forbidden	D	40, 57
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	6.1	UN1135	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Ethylene chlorohydrin	2.1	UN1962	Forbidden	2.1		306	304	302	Forbidden	150 kg	E	40
Ethylene diamine diperchlorate	6.1	UN1605	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Ethylene dibromide												
Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibromide, liquid mixtures												
Ethylene dichloride	3	UN1184	II	3, 6.1	IB2, N36, T7, TP1	150	202	243	1 L	60 L	B	40
Ethylene glycol diethyl ether	3	UN1153	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	A	
Ethylene glycol dinitrate	Forbidden				B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethylene glycol monoethyl ether	3	UN1171	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethylene glycol monoethyl ether acetate	3	UN1172	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethylene glycol monomethyl ether	3	UN1188	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethylene glycol monomethyl ether acetate	3	UN1189	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethylene oxide and carbon dioxide mixture with more than 87 percent ethylene oxide	2.3	UN3300		2.3, 2.1	4	None	304	314, 315	Forbidden	Forbidden	D	40
Ethylene oxide and carbon dioxide mixtures with more than 9 percent but not more than 87 percent ethylene oxide	2.1	UN1041		2.1	T50	306	304	314, 315	Forbidden	25 kg	B	40
Ethylene oxide and carbon dioxide mixtures with not more than 9 percent ethylene oxide	2.2	UN1952		2.2		306	304	314, 315	75 kg	150 kg	A	
Ethylene oxide and chlorotetrafluoroethane mixture with not more than 8.8 percent ethylene oxide	2.2	UN3297		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Ethylene oxide and dichlorodifluoromethane mixture, with not more than 12.5 percent ethylene oxide	2.2	UN3070		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Ethylene oxide and pentafluoroethane mixture with not more than 7.9 percent ethylene oxide	2.2	UN3298		2.2	T50	306	304	314, 315	75 kg	150 kg	A	

§ 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)
	Ethylene oxide and propylene oxide mixtures, with not more than 30 percent ethylene oxide	3	UN2983	I	3, 6.1	5, A11, N4, N34, T14, TP2, TP7, TP13	None	201	243	Forbidden	30 L	E	40
	Ethylene oxide and tetrafluoroethane mixture with not more than 5.6 percent ethylene oxide	2.2	UN3299		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Ethylene oxide or Ethylene oxide with nitrogen up to a total pressure of 1 MPa (10 bar) at 50 degrees C	2.3	UN1040		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	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.
	Ethylenimine, stabilized	6.1	UN1185	I	6.1, 3	1, 387, B9, B14, B30, B77, N25, N32, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	25, 40
	Ethylhexaldehyde, see Octyl aldehydes etc												
	2-Ethylhexyl chloroformate	6.1	UN2748	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 25, 40, 53, 58
	2-Ethylhexylamine	3	UN2276	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40, 52
	Ethylphenyldichlorosilane	8	UN2435	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	53, 58
	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	Forbidden	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	.....	1.1D	148	None	62	None	Forbidden	Forbidden	04	25, 19E, 21E
	Explosive, blasting, type B	1.1D	UN0082	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 19E

Explosive, blasting, type B or Agent blasting, Type B	1.5D	UN0331	.....	1.5D	105, 106, 148	None	62	None	Forbiddn	03	25, 19E
Explosive, blasting, type C	1.1D	UN0083	.....	1.1D	123	None	62	None	Forbiddn	04	25, 22E
Explosive, blasting, type D	1.1D	UN0084	.....	1.1D	.....	None	62	None	Forbiddn	04	25
Explosive, blasting, type E	1.1D	UN0241	.....	1.1D	.....	None	62	None	Forbiddn	04	25, 19E
Explosive, blasting, type E or Agent blasting, Type E	1.5D	UN0332	.....	1.5D	105, 106, 148	None	62	None	Forbiddn	03	25, 19E
<i>Explosive, forbidden. See § 173.54 Explosive substances, see Substances, explosive, n.o.s. etc Explosives, slurry, see Explosive, blasting, type E Explosives, water gels, see Explosive, blasting, type E Extracts, aromatic, liquid</i>	3	UN1169	II 3	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	B	
<i>Extracts, flavoring, liquid</i>	3	UN1197	III 3	3	B1, IB3, T2, TP1	150	203	242	60 L	A	
<i>Extracts, T4, TP1, TP8</i>	3	UN1197	III 3	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	B	
<i>Extracts, T2, TP1</i>	3	UN1197	III 3	3	B1, IB3, T2, TP1	150	203	242	60 L	A	
<i>Fabric with animal or vegetable oil, see Fibers or fabrics, etc</i>	6.1	UN1606	II 6.1	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A	
<i>Ferric arsenate</i>	6.1	UN1607	II 6.1	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A	
<i>Ferric arsenite</i>	8	UN1773	III 8	8	IB8, IP3, T1, TP33	154	213	240	100 kg	A	53, 58
<i>Ferric chloride, anhydrous</i>	8	UN2582	III 8	8	B15, IB3, T4, TP1	154	203	241	25 kg	A	53, 58
<i>Ferric chloride, solution</i>	8	UN2582	III 8	8	B15, IB3, T4, TP1	154	203	241	5 L	A	
<i>Ferric nitrate</i>	5.1	UN1466	III 5.1	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	A	
<i>Ferrocenium</i>	4.1	UN1323	II 4.1	4.1	59, A19, IB8, IP2, IP4, T3, TP33, W100	151	212	240	15 kg	A	13, 147, 148
<i>Ferrosilicon with 30 percent or more but less than 90 percent silicon</i>	4.3	UN1408	III 4.3, 6.1	4.3, 6.1	A1, A19, B6, IB8, IP4, IP7, T1, TP33, W100	151	213	240	25 kg	A	13, 40, 52, 53, 85, 103, 148
<i>Ferrous arsenate</i>	6.1	UN1608	II 6.1	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A	
<i>Ferrous chloride, solid</i>	8	NA1759	II 8	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	A	
<i>Ferrous chloride, solution</i>	8	NA1760	II 8	8	B3, IB2, T11, TP2, TP27	154	202	242	1 L	B	40
<i>Ferrous metal borings or Ferrous metal shavings or Ferrous metal turnings or Ferrous metal cuttings in a form liable to self-heating</i>	4.2	UN2793	III 4.2	4.2	A1, A19, B134, B136, IB8, IP3, IP7, IP21, W100	None	213	241	25 kg	A	13, 148
<i>Fertilizer ammoniating solution with free ammonia</i>	2.2	UN1043	.....	2.2	N87	306	304	314,	Forbiddn	E	40
<i>Fibers, animal or Fibers, vegetable burnt, wet or damp</i>	4.2	UN1372	III 4.2	4.2		151	213	240	Forbiddn	A	
<i>Fibers, vegetable, dry</i>	4.1	UN3360	III 4.1	4.1	137	151	213	240	Forbiddn	A	.....

G	Flammable compressed gas (small receptacles not fitted with a dispersion device, not refillable), see Receptacles, etc Flammable gas in lighters, see Lighters or lighter refills, cigaretters, containing flammable gas Flammable liquid, toxic, corrosive, n.o.s.	3	UN3286	I	3, 6.1, 8	I	3, 6.1, 8	T14, TP2, TP13, TP27	None	201	243	Forbidden	2.5 L	E	21, 40, 100
G	Flammable liquids, corrosive, n.o.s.	3	UN2924	II	3, 6.1, 8	II	3, 6.1, 8	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	B	21, 40, 100	
G	Flammable liquids, n.o.s.	3	UN1993	I	3, 8	I	3, 8	IB2, T11, TP2, TP27	None	201	243	0.5 L	E	40	
				III	3, 8	III	3, 8	B1, IB3, T7, TP1, TP28	150	203	242	5 L	B	40	
				I	3	I	3	T11, TP1, TP27	150	201	243	1 L	A	40	
				II	3	II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	E	40	
				III	3	III	3	B1, B52, IB3, T4, TP1, TP29	150	203	242	60 L	B	40	
G	Flammable liquids, toxic, n.o.s.	3	UN1992	I	3, 6.1	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40
				II	3, 6.1	II	3, 6.1	IB2, T7, TP2, TP13	150	202	243	1 L	B	40	
				III	3, 6.1	III	3, 6.1	B1, IB3, T7, TP1, TP28	150	203	242	60 L	A	40	
G	Flammable solid, corrosive, inorganic, n.o.s.	4.1	UN3180	II	4.1, 8	II	4.1, 8	A1, IB6, IP2, T3, TP33	151	212	242	15 kg	D	40	
G	Flammable solid, inorganic, n.o.s.	4.1	UN3178	III	4.1, 8	III	4.1, 8	A1, IB6, T1, TP33	151	213	242	25 kg	D	40	
				II	4.1	II	4.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	B	40	
G	Flammable solid, organic, molten, n.o.s.	4.1	UN3176	III	4.1	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	B	40	
				II	4.1	II	4.1	IB1, T3, TP3, TP26	151	212	240	Forbidden	C	40	
G	Flammable solid, oxidizing, n.o.s	4.1	UN3097	II	4.1	II	4.1	IB1, T1, TP3, TP26	151	213	240	Forbidden	C	40	
				III	5.1	III	5.1	131, T1, TP33	151	214	214	Forbidden	D	40	
G	Flammable solid, toxic, inorganic, n.o.s.	4.1	UN3179	II	4.1	II	4.1	A1, IB6, IP2, T3, TP33	151	212	242	15 kg	B	40	
				III	4.1	III	4.1	A1, IB6, T1, TP33	151	213	242	25 kg	B	40	
				II	4.1, 8	II	4.1, 8	A1, IB6, IP2, T3, TP33	151	212	242	15 kg	D	40	
G	Flammable solids, corrosive, organic, n.o.s	4.1	UN2925	III	4.1	III	4.1	A1, IB6, T1, TP33	151	213	242	25 kg	B	40	
				II	4.1	II	4.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	B	40	
G	Flammable solids, organic, n.o.s.	4.1	UN1925	III	4.1, 8	III	4.1, 8	A1, IB6, T1, TP33	151	213	242	25 kg	D	40	
				II	4.1	II	4.1	A1, IB8, IP2, IP4, T3, TP33	151	212	240	15 kg	B	40	
G	Flammable solids, toxic, organic, n.o.s.	4.1	UN2926	III	4.1	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	B	40	
				II	4.1	II	4.1	A1, IB6, IP2, T3, TP33	151	212	242	15 kg	B	40	
				III	6.1	III	6.1	A1, IB6, T1, TP33	151	213	242	25 kg	B	40	
				1.3G	1.3G	None	62	None	Forbidden	75 kg	03	25
				1.4G	1.4G	None	62	None	Forbidden	75 kg	02	25

§ 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			
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other		
G	Flares, aerial	1.4S	UN0404	1.4S	None	62	None	25 kg	100 kg	01	25	
	Flares, aerial	1.1G	UN0420	1.1G	None	62	None	Forbidden	Forbidden	03	25	
	Flares, aerial	1.2G	UN0421	1.2G	None	62	None	Forbidden	Forbidden	03	25	
	Flares, aerial <i>Flares, airplane, see Flares, aerial</i> <i>Flares, signal, see Cartridges, signal</i>														
	Flares, surface	1.3G	UN0092	1.3G	None	62	None	Forbidden	75 kg	03	25	
	Flares, surface	1.1G	UN0418	1.1G	None	62	None	Forbidden	Forbidden	03	25	
	Flares, surface	1.2G	UN0419	1.2G	None	62	None	Forbidden	Forbidden	03	25	
	Flares, water-activated, <i>see Contri-vances, water-activated, etc</i>														
	Flash powder	1.1G	UN0094	1.1G	None	62	None	None	Forbidden	Forbidden	03	25
	Flash powder	1.3G	UN0305	1.3G	None	62	None	None	Forbidden	Forbidden	03	25
	<i>Flue dusts, poisonous, see Arseni-cal dust</i> <i>Fluoric acid, see Hydrofluoric acid, etc</i>														
	Fluorine, compressed	2.3	UN1045	2.3, 5.1, 8	2.3, 5.1, 8	1, N86	None	302	None	None	Forbidden	Forbidden	D	40, 89, 90
	Fluoroacetic acid	6.1	UN2642	I	6.1	6.1	IB7, IP1, T6, TP33	None	211	242	1 kg	15 kg	E	53, 58	
Fluoroanilines	6.1	UN2941	III	6.1	6.1	IB3, T4, TP1	None	203	241	60 L	220 L	A	53, 58		
Fluorobenzene	3	UN2387	II	3	3	IB2, T4, TP1	None	202	242	5 L	60 L	B	53, 58		
Fluoroboric acid	8	UN1775	II	8	8	A7, B2, B15, IB2, N3, N34, T7, TP2	None	202	242	1 L	30 L	A	53, 58		
Fluorophosphoric acid anhydrous	8	UN1776	II	8	8	A6, A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	53, 58		
Fluorosilicates, n.o.s	6.1	UN2856	III	6.1	6.1	IB8, IP3, T1, TP33	None	213	240	100 kg	200 kg	A	52		
Fluorosilicic acid	8	UN1778	II	8	8	A6, A7, B2, B15, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	53, 58		
Fluorosulfonic acid	8	UN1777	I	8	8	A7, A10, B6, B10, N3, N36, T10, TP2	None	201	243	0.5 L	2.5 L	D	40, 53, 58		
Fluorotoluenes	3	UN2388	II	3	3	IB2, T4, TP1	None	202	242	5 L	60 L	B	40		
<i>Forbidden materials. See § 173.21</i> Formaldehyde solutions, flammable	3	UN1198	III	3, 8	3, 8	176, B1, IB3, T4, TP1	None	150	203	5 L	60 L	A	40		

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.	8	UN2209	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	.....
Formalin, see Formaldehyde, solutions											
Formic acid with not less than 10% but not more than 85% acid by mass	8	UN3412	II	8	IB2, T7, TP2	154	202	242	1 L	30 L	A 40, 53, 58
Formic acid with not less than 5% but less than 10% acid by mass	8	UN3412	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A 40, 53, 58
Formic acid with more than 85% acid by mass	8	UN1779	II	8, 3	B2, B28, IB2, T7, TP2	154	202	242	1 L	30 L	A 40, 53, 58
Fracturing devices, explosive, without detonators for oil wells	1.1D	UN0099	.....	1.1D	.....	None	62	62	Forbidden	Forbidden	03 25
Fuel, aviation, turbine engine	3	UN1863	I	3	144, T11, TP1, TP8, TP28	150	201	243	1 L	30 L	E
Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing corrosive substances	8	UN3477	II III	3 3 8	144, IB2, T4, TP1, TP8 144, B1, IB3, T2, TP1 328	150 150 230	202 203 230	242 242 230	5 L 60 L 5 kg	60 L 220 L 50 kg	B A A
Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing hydrogen in metal hydride	3	UN3473	.....	3	328	230	230	230	5 kg	50 kg	A
Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing liquefied flammable gas	2.1	UN3479	.....	2.1	328	230	230	230	1 kg	15 kg	B
Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment, containing liquefied flammable gas	2.1	UN3478	.....	2.1	328	230	230	230	1 kg	15 kg	B
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	328	230	230	230	5 kg	50 kg	A 13, 148
Fuel oil (No. 1, 2, 4, 5, or 6)	3	NA1993	III	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 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)
	Fuel system components (including fuel control units (FCU), carburetors, fuel lines, fuel pumps) see Dangerous Goods in Apparatus or Dangerous Goods in Articles or Dangerous Goods in Machinery	Forbidden											
	Fulminate of mercury (dry)	Forbidden											
	Fulminate of mercury, wet, see Mercury fulminate, etc	Forbidden											
	Fulminating gold	Forbidden											
	Fulminating mercury	Forbidden											
	Fulminating platinum	Forbidden											
	Fulminating silver	Forbidden											
	Fulminic acid	Forbidden											
	Fumaryl chloride	8	UN1780	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	8, 40, 53, 58
	Fumigated lading, see §§ 172.302(g), 173.9 and 176.76(h)												
	Fumigated transport vehicle or freight container see § 173.9												
	Furaidenhydres	6.1	UN1199	II	6.1, 3	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Furan	3	UN2389	I	3	T12, TP2, TP13	None	201	243	1 L	30 L	E	
	Furfuryl alcohol	6.1	UN2874	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
	Furfurylamine	3	UN2526	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40, 52
	Fuse, detonating, metal clad, see Cord, detonating, metal clad												
	Fuse, detonating, mild effect, metal clad, see Cord, detonating, mild effect, metal clad												
	Fuse, igniter tubular metal clad	1.4G	UN0103	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Fuse, non-detonating instantaneous or quickmatch	1.3G	UN0101	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Fuse, safety	1.4S	UN0105	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
D	Fusee (railway or highway)	4.1	NA1325	II	4.1	.....	None	184	None	15 kg	50 kg	B	
	Fusel oil	3	UN1201	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Germane, adsorbed	2.3	UN3523	.....	2.3, 2.1	2	None	302c	None	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	
	<i>Glyceryl trinitrate, see Nitroglycerin, etc.</i>												
	Glyoxaldehyde	3	UN2622	II	3, 6.1	IB2, IP8, T7, TP1	150	202	243	1 L	60 L	A	40
	Grenades, hand or rifle, with bursting charge	1.1D	UN0284	.....	1.1D	.....	.....	62	None	Forbidden	Forbidden	03	25
	Grenades, hand or rifle, with bursting charge	1.2D	UN0285	.....	1.2D	.....	.....	62	None	Forbidden	Forbidden	03	25
	Grenades, hand or rifle, with bursting charge	1.1F	UN0292	.....	1.1F	.....	.....	62	None	Forbidden	Forbidden	03	25
	Grenades, hand or rifle, with bursting charge	1.2F	UN0293	.....	1.2F	.....	.....	62	None	Forbidden	Forbidden	03	25
	Grenades, illuminating, see Ammunition, illuminating, etc												
	Grenades, practice, hand or rifle	1.4S	UN0110	.....	1.4S	.....	.....	62	None	25 kg	100 kg	01	25
	Grenades, practice, hand or rifle	1.3G	UN0318	.....	1.3G	.....	.....	62	None	Forbidden	Forbidden	03	25
	Grenades, practice, hand or rifle	1.2G	UN0372	.....	1.2G	.....	.....	62	None	Forbidden	Forbidden	03	25
	Grenades, practice, hand or rifle	1.4G	UN0452	.....	1.4G	.....	.....	62	None	Forbidden	75 kg	02	25
	Grenades, smoke, see Ammunition, smoke, etc												
	Guandidine nitrate	5.1	UN1467	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	73
	Guanyl nitrosaminoquanylidene hydrazine (dry)	Forbidden											
	Guanyl nitrosaminoquanylidene hydrazine, wetted with not less than 30 percent water, by mass	1.1A	UN0113	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
	Guanyl nitrosaminoquanyltetrazene (dry)	Forbidden											
	Guanyl nitrosaminoquanyltetrazene, wetted or Tetrazene, wetted with not less than 30 percent water or mixture of alcohol and water, by mass	1.1A	UN0114	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25

Gunpowder, compressed or Gunpowder in pellets, see Black powder (UN 0028)	4.2	UN2545	I	4.2	None	211	242	Forbidden	D	13, 148
Gunpowder, granular or as a meal, see Black powder (UN 0027)	4.2		II	4.2	None	212	241	50 kg	D	13, 148
Halium powder, dry	4.2		III	4.2	W31 A19, A20, IB6, IP2, N34, T3, TP33, W31	213	241	100 kg	D	13, 148
Halium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	UN1326	II	4.1	151 B135, IB8, IP21, T1, TP33, W31 A6, A19, A20, IB6, IP2, N34, T3, TP33, W31, W40	212	241	50 kg	E	74
Hand signal device, see Signal devices, hand										
Hazardous substances, liquid or solid, n.o.s., see Environmentally hazardous substances, etc										
Hazardous waste, liquid, n.o.s.	9	NA3082	III	9	155 IB3, T2, TP1	203	241	No limit	A	
Hazardous waste, solid, n.o.s.	9	NA3077	III	9	155 B54, IB8, IP2, T1, TP33	213	240	No limit	A	
Heating oil, light	3	UN1202	III	3	150 B1, IB3, T2, TP1	302	242	220 L	A	
Helium, compressed	2.2	UN1046	.....	2.2	306, 307	302	302	75 kg	A	85
Helium, refrigerated liquid (cryogenic liquid)	2.2	UN1963		2.2	320 T75, TP5	316	318	50 kg	D	
Hept fluoropropane or Refrigerant gas R 227	2.2	UN3296		2.2	306 T50	304	314, 315	75 kg	A	
n-Heptaldehyde	3	UN3056	III	3	150 B1, IB3, T2, TP1	203	242	220 L	A	
Heptanes	3	UN1206	II	3	150 IB2, T4, TP2	202	242	60 L	B	
n-Heptene	3	UN2278	II	3	150 IB2, T4, TP1	202	242	60 L	B	
Hexachloroacetone	6.1	UN2661	III	6.1	153 IB3, T4, TP1	203	241	220 L	B	12, 40
Hexachlorobenzene	6.1	UN2729	III	6.1	153 B3, IB8, IP3, T1, TP33	203	241	60 L	A	
Hexachlorobutadiene	6.1	UN2279	III	6.1	153 IB3, T4, TP1	203	241	220 L	A	
Hexachlorocyclopentadiene	6.1	UN2646	I	6.1	None 2, B9, B14, B32, B77, T20, TP2, TP13, TP38,	227	244	Forbidden	D	25, 40
Hexachlorophene	6.1	UN2875	III	6.1	153 IB8, IP3, T1, TP33	213	240	200 kg	A	
Hexaethylchlorosilane	8	UN1781	II	8	None A7, B2, B6, N34, T10, TP2, TP7, TP13	206	242	30 L	C	40, 53, 58
Hexadienes	3	UN2458	II	3	150 IB2, T4, TP1	202	242	60 L	B	40
Hexaethyl tetraphosphate and compressed gas mixtures	2.3	UN1612	II	2.3	None 3	334	None	Forbidden	D	
Hexaethyl tetraphosphate, liquid	6.1	UN1611	II	6.1	153 IB2, N76, T7, TP2	202	243	5 L	E	40
Hexaethyl tetraphosphate, solid	6.1	UN1611	II	6.1	153 IB8, IP2, IP4, N76	212	242	25 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)
	Hexafluoroacetone	2.3	UN2420		2.3, 8	2, B9, B14	None	304	314, 315	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, 315	75 kg	150 kg	A	
	Hexafluorophosphoric acid	8	UN1782	II	8	A6, A7, B2, IB2, N3, N34, T8, TP2	154	202	242	1 L	30 L	A	53, 58
	Hexafluoropropylene compressed or Refrigerant gas R 1216	2.2	UN1858		2.2		306	304	314, 315	75 kg	150 kg	A	
	Hexaldehyde	3	UN1207	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Hexamethylene diisocyanate	6.1	UN2281	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	C	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, 25, 52
	Hexamethylenediamine solution	8	UN1783	II	8	IB2, T7, TP2	154	202	242	1 L	30 L	A	52
	Hexamethylenimine	3	UN2493	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Hexamethylenetetramine	4.1	UN1328	III	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40
	Hexamethylol benzene hexanitate	Forbidden			4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
	Hexanes	3	UN1208	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	E	
	2,2,4,4',6,6'-Hexanitro-3,3'-dihydroxyazobenzene (dry)	Forbidden											
	Hexanitroazoxy benzene	Forbidden											
	N,N'-(hexanitrodiphenyl) ethylene dinitramine (dry)	Forbidden											
	Hexanitrodiphenyl urea	Forbidden											
	2,2',3,3',4,4',6,6'-Hexanitrodiphenylamine	Forbidden											
	Hexanitrodiphenylamine or Dipicylamine or Hexyl	1.1D	UN0079	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	2,3',4,4',6,6'-Hexanitrodiphenylether	Forbidden											
	Hexanitroethane	Forbidden											
	Hexanitrooxanilide	Forbidden											
	Hexanitrosilbene	1.1D	UN0392	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Hexanoic acid, see Corrosive liq-uids, n.o.s.												

Hexanols	3	UN2282	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	74
1-Hexene	3	UN2370	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
Hexogen and 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 Hexotal dry or wetted with less than 15 percent water, by mass	1.1D	UN0118	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Hexotonal	1.1D	UN0393	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Hexyl, see Hexanitrodiphenylamine												
Hexyltrichlorosilane	8	UN1784	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58
High explosives, see individual explosives' entries												
HMX, see Cyclotetramethylenetetramine, etc												
Hydrazine, anhydrous	8	UN2029	I	8, 3, 6.1	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	Forbidden		III	8, 6.1	B16, B53, IB3, T4, TP1	154	203	241	5 L	60 L	D	40, 52
Hydrazine chlorate	Forbidden											
Hydrazine dicarbonic acid diazide	Forbidden											
Hydrazine perchlorate	Forbidden											
Hydrazine selenate	Forbidden											
Hydroiodic acid, anhydrous, see Hydrogen iodide, anhydrous												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Hydriodic acid	8	UN1787	II	8	A3, B2, IB2, N41, T7, TP2	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	IB3, T4, TP1	154	203	241	5 L	60 L	C	8
	Hydrobromic acid, with not more than 49 percent hydrobromic acid	8	UN1788	III	8	B2, B15, IB2, N41, T7, TP2	154	202	242	Forbidden	Forbidden	C	53, 58
	Hydrocarbon gas mixture, com-pressed, n.o.s.	2.1	UN1964	III	8	IB3, T4, TP1	154	203	241	Forbidden	Forbidden	C	8, 53, 58
	Hydrocarbon gas mixture, liquefied, n.o.s.	2.1	UN1965	2.1	2.1	A3, IB3, T4, TP1	306	302	314, 315	5 L	60 L	C	8
	Hydrocarbons, liquid, n.o.s.	3	UN3295	I	3	T50	306	304	314, 315	Forbidden	150 kg	E	40
	<i>Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous</i>												
	Hydrochloric acid	8	UN1789	II	8	144, T11, TP1, TP8, TP28	150	201	243	1 L	30 L	E	
	<i>Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc</i>												
	Hydrocyanic acid, aqueous solu-tions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide	6.1	UN1613	I	6.1	144, IB2, T7, TP1, TP8, TP28	None	195	244	5 L	60 L	B	
	Hydrocyanic acid, aqueous solu-tions with less than 5 percent hy-drogen cyanide	6.1	NA1613	II	6.1	144, B1, IB3, T4, TP1, TP29	None	195	243	60 L	220 L	A	
						386, A3, B3, B15, B133, IB2, N41, T8, TP2	154	202	242	1 L	30 L	C	53, 58
						A3, IB3, T4, TP1	154	203	241	5 L	60 L	C	8, 53, 58
						2, B61, B65, B77, B82, T20, TP2, TP13	None	195	244	Forbidden	Forbidden	D	40
D						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)
		5.1	UN3149	II	5.1, 8	145, A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24	152	202	243	1 L	5 L	D	25, 66, 75
		5.1	UN2014	II	5.1, 8	12, A60, B53, B80, B81, B85, IB2, IP5, T7, TP2, TP6, TP24, TP37	152	202	243	Forbidden	Forbidden	D	25, 66, 75
		5.1	UN2014	II	5.1, 8	A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37	152	202	243	1 L	5 L	D	25, 66, 75
		5.1	UN2984	III	5.1	A1, IB2, IP5, T4, TP1, TP6, TP24, TP37	152	203	241	2.5 L	30 L	B	25, 66, 75
		5.1	UN2015	I	5.1, 8	12, B53, B80, B81, B85, T9, TP2, TP6, TP24, TP37	None	201	243	Forbidden	Forbidden	D	25, 66, 75.
		2.1	UN1966	.....	2.1	T75, TP5	None	316	318, 319	Forbidden	Forbidden	D	40, 57
		2.3	UN3526	.....	2.3, 2.1	1	None	302c	None	Forbidden	Forbidden	D	40
		2.3	UN2202		2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
		2.3	UN1053		2.3, 2.1	2, B9, B14, N89	None	304	314, 315	Forbidden	Forbidden	D	40
		8	UN1740	II	8	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52, 53, 58
				III	8	IB8, IP3, N3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	25, 40, 52

Hydrogen difluoride solution, n.o.s.	8	UN3471	II	8, 6.1	IB2, T7, TP2	154	202	242	1 L	30 L	A	25, 40, 52
<i>Hydrosilicofluoric acid, see Fluorosilicic acid</i>												
1-Hydroxybenzotriazole, anhydrous, dry or wetted with less than 20 percent water, by mass	1.3C	UN0508	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
1-Hydroxybenzotriazole, monohydrate	4.1	UN3474	I	4.1	N90	None	211	None	0.5 kg	0.5 kg	D	28, 36
Hydroxyl amine iodide	Forbidden											
Hydroxylamine sulfate	8	UN2865	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52, 53, 58
Hypochlorite solutions	8	UN1791	II	8	148, A7, B2, B15, IB2, IP5, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26, 53, 58
			III	8	386, IB3, N34, T4, TP2, TP24	154	203	241	5 L	60 L	B	26, 53, 58
Hypo chlorites, inorganic, n.o.s.	5.1	UN3212	II	5.1	349, A9, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 116, 118
<i>Hyponitrous acid igniter, tubular, metal clad</i>	Forbidden											
Igniters	1.1G	UN0121	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	1.2G	UN0314	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	1.3G	UN0315	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	1.4G	UN0325	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	1.4S	UN0454	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
3,3'-Iminodipropylamine	8	UN2269	III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A	52
Infectious substances, affecting animals only	6.2	UN2900	.....	6.2	A82	134	196	None	50 mL or 4 L or 4 kg	4 L or 4 kg	E	13, 40, 95, 155
Infectious substances, affecting humans	6.2	UN2814	.....	6.2	A82	134	196	None	50 mL or 50 g	4 L or 4 kg	E	13, 40, 95, 155
<i>Inflammable, see Flammable</i>												
<i>Initiating explosives (dry)</i>	Forbidden											
<i>Inositol hexanitrate (dry)</i>	Forbidden											
Insecticide gases, n.o.s.	2.2	UN1968		2.2		306	304	314, 315	75 kg	150 kg	A	40
Insecticide gases, flammable, n.o.s.	2.1	UN3354		2.1	T50	306	304	314, 315	Forbidden	150 kg	D	40
Insecticide gases, toxic, flammable, n.o.s. Inhalation hazard Zone A	2.3	UN3355		2.3, 2.1	1	None	192	245	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	302, 305	314, 315	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	302, 305	314, 315	Forbidden	Forbidden	D	40

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(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	Insecticide gases, toxic, flammable, n.o.s. <i>Inhalation hazard Zone D</i>	2.3	UN3355		2.3, 2.1	4		None (8A)	302, 305 (8B)	314, 315 (8C)	Forbidden (9B)	D	
G	Insecticide gases, toxic, n.o.s. <i>Inulin trinitrate (dry)</i>	2.3 Forbidden	UN1967		2.3	3		None (8A)	193, 334 (8B)	245 (8C)	Forbidden (9B)	D	40
+	Iodine	8	UN3495	III	8, 6.1	IB8, IP3, T1, TP33		154 (8A)	213 (8B)	240 (8C)	25 kg (9B)	B	40, 55
	<i>Iodine azide (dry)</i>	Forbidden						154 (8A)	202 (8B)	242 (8C)	1 L (9B)	D	40, 53, 58, 66, 74, 89, 90
	<i>Iodine monochloride, liquid</i>	8	UN3498	II	8	IB2, T7, TP2		154 (8A)	212 (8B)	240 (8C)	50 kg (9B)	D	40, 53, 58, 66, 74
	<i>Iodine monochloride, solid</i>	8	UN1792	II	8	B6, IB8, IP2, IP4, N41, T7, TP2		154 (8A)	212 (8B)	240 (8C)	Forbidden (9B)	D	25, 40, 52, 53, 58, 66, 74
	<i>Iodine pentafluoride</i>	5.1	UN2495	I	5.1, 6.1, 8	.....		None (8A)	205 (8B)	243 (8C)	Forbidden (9B)	D	25, 40, 52, 53, 58, 66, 90
	2-Iodobutane	3	UN2390	II	3	IB2, T4, TP1		150 (8A)	202 (8B)	242 (8C)	5 L (9B)	B	
	Iodomethylpropanes	3	UN2391	II	3	IB2, T4, TP1		150 (8A)	202 (8B)	242 (8C)	5 L (9B)	B	
	Iodopropanes	3	UN2392	III	3	B1, IB3, T2, TP1		150 (8A)	203 (8B)	242 (8C)	60 L (9B)	A	
	<i>Iodoxy compounds (dry)</i>	Forbidden											
	<i>Iridium nitratopentamine iridium nitrate</i>	Forbidden											
	<i>Iron chloride, see Ferric chloride</i>												
	<i>Iron chloride, spent, or Iron sponge, spent obtained from coal gas purification</i>	4.2	UN1376	III	4.2	B18, B134, IB8, IP21, T1, TP33, W100		None (8A)	213 (8B)	240 (8C)	Forbidden (9B)	E	13, 148
	<i>Iron pentacarbonyl</i>	6.1	UN1994	I	6.1, 3	1, B9, B14, B30, B77, T22, TP2, TP13, TP38, TP44		None (8A)	226 (8B)	244 (8C)	Forbidden (9B)	D	40
	<i>Iron sesquichloride, see Ferric chloride</i>												
	<i>Irritating material, see Tear gas substances, etc</i>												
	<i>Isobutane see also Petroleum gases, liquefied</i>	2.1	UN1969		2.1	19, T50		306 (8A)	304 (8B)	314, 315 (8C)	Forbidden (9B)	E	40
	<i>Isobutanol or isobutyl alcohol</i>	3	UN1212	III	3	B1, IB3, T2, TP1		150 (8A)	203 (8B)	242 (8C)	60 L (9B)	A	
	<i>Isobutyl acetate</i>	3	UN1213	II	3	IB2, T4, TP1		150 (8A)	202 (8B)	242 (8C)	5 L (9B)	B	

	Isobutyl acrylate, stabilized	3	UN2527	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25
	Isobutyl alcohol, see Isobutanol												
	Isobutyl aldehyde, see Isobutyraldehyde												
	Isobutyraldehyde	3	UN2393	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isobutyl formate	3	UN2528	I	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isobutyl isobutyrate	6.1	UN2486	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP27	None	226	244	Forbidden	Forbidden		40
	Isobutyl isocyanate	3	UN2283	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25
	Isobutyl methacrylate, stabilized	3	UN2394	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	B	
	Isobutyl propionate	3	UN1214	II	3, 8	IB2, T7, TP1	150	202	314	1 L	5 L	B	40, 52
	Isobutylamine	2.1	UN1055	II	2.1	19, T50	306	304	315	Forbidden	150 kg	E	40
	Isobutylene see also Petroleum gases, liquefied	3	UN2045	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
	Isobutyraldehyde or Isobutyl aldehyde	3	UN2529	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
	Isobutyric acid	3	UN2284	II	3, 6.1	IB2, T7, TP2, TP13	150	202	243	1 L	60 L	E	40
	Isobutyronitrile	3	UN2395	II	3, 8	IB1, T7, TP2	150	202	243	1 L	5 L	C	40, 53, 58
	Isobutyl chloride	3	UN2478	II	3, 6.1	5, A3, A7, IB2, T11, TP2, TP13, TP27, W31	150	202	243	1 L	60 L	D	40
G	Isocyanates, flammable, toxic, n.o.s. or Isocyanate solutions, flammable, toxic, n.o.s. flash point less than 23 degrees C	6.1	UN3080	II	6.1, 3	5, A3, A7, IB3, T7, TP1, TP13, TP28, W31	150	203	242	60 L	220 L	A	
G	Isocyanates, toxic, flammable, n.o.s. or Isocyanate solutions, toxic, flammable, n.o.s., flash point not less than 23 degrees C but not more than 61 degrees C and boiling point less than 300 degrees C	6.1	UN2206	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	E	25, 40
G	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	UN2285	III	6.1	IB3, T7, TP1, TP13, TP28	153	203	241	60 L	220 L	E	25, 40
	Isocyanatobenzotrifluorides	6.1	UN2285	II	6.1, 3	5, IB2, T7, TP2	153	202	243	5 L	60 L	D	25, 40
	Isopentenes	3	UN2287	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isohexenes	3	UN2288	II	3	IB2, IP8, T11, TP1	150	202	242	5 L	60 L	E	
	Isocetane, see Octanes												
	Isocetenes	3	UN1216	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopentane, see Pentane												
	Isopentanoic acid, see Corrosive liquids, n.o.s.												
	Isopentenes	3	UN2371	I	3	T11, TP2	150	201	243	1 L	30 L	E	40
	Isopentane	6.1	UN2290	III	6.1	IB3, T4, TP2	153	203	241	60 L	220 L	B	
	Isophorone diisocyanate	8	UN2289	III	8	IB3, T4, TP1	154	203	241	60 L	60 L	A	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)
	Isoprene, stabilized	3	UN1218	I	3	387, T11, TP2	150	201	243	1 L	30 L	D	25
	Isopropanol or isopropyl alcohol	3	UN1219	II	3	IB2, T4, TP1	4b, 150	202	242	5 L	60 L	B	
	Isopropenyl acetate	3	UN2403	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropenylbenzene	3	UN2303	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl acetate	3	UN1220	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropyl acid phosphate	8	UN1793	III	8	IB2, T4, TP1	154	213	240	25 kg	100 kg	A	53, 58
	Isopropyl alcohol, <i>see</i> Isopropanol												
	Isopropyl butyrate	3	UN2405	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl chloroacetate	3	UN2947	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl chloroformate	6.1	UN2407	I	6.1, 3, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	B	21, 40, 53, 58, 100
	Isopropyl 2-chloropropionate	3	UN2934	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl isobutyrate	3	UN2406	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
+	Isopropyl isocyanate	6.1	UN2483	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	<i>Isopropyl mercaptan, see</i> Propanethiols												
	Isopropyl nitrate	3	UN1222	II	3	IB9	150	202	None	5 L	60 L	D	
	Isopropyl phosphoric acid, <i>see</i> Isopropyl acid phosphate												
	Isopropyl propionate	3	UN2409	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Isopropylamine	3	UN1221	I	3, 8	T11, TP2	None	201	243	0.5 L	2.5 L	E	52
	Isopropylbenzene	3	UN1918	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropylcumyl hydroperoxide, <i>with more than 72 percent in solution</i>	Forbidden											
	Isosorbide dinitrate mixture <i>with not less than 60 percent lactose, mannose, starch or calcium hydrogen phosphate</i>	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, 25, 40, 84
	Isophthicyanic acid	Forbidden											
	Jet fuel, <i>see</i> Fuel aviation, turbine engine												
D	Jet perforating guns, charged <i>oil well with detonator</i>	1.1D	NA0124	.....	1.1D	55, 56	None	62	None	Forbidden	Forbidden	03	25, 154

D	Jet perforating guns, charged <i>oil well, with detonator</i>	1.4D	NA0494	.....	1.4D	55, 56	None	62	None	Forbidden	Forbidden	02	25, 154
	Jet perforating guns, charged, <i>oil well, without detonator</i>	1.4D	UN0494	.....	1.4D	55, 114	None	62	None	Forbidden	300 kg	02	25, 154
	Jet perforating guns, charged <i>oil well without detonator</i>	1.1D	UN0124	.....	1.1D	55	None	62	None	Forbidden	Forbidden	03	25, 154
	Jet perforators, <i>see</i> Charges, shaped, <i>etc</i>												
	Jet tappers, <i>without detonator, see</i> Charges, shaped, <i>etc</i>												
	Jet thrust igniters, for rocket motors or Jato, <i>see</i> Igniters												
	Jet thrust unit (Jato), <i>see</i> Rocket motors												
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	
				II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
				III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
	Krill meal	4.2	UN3497	II	4.2	155, IB6, IP2, T3, TP33	None	212	242	15 kg	50 kg	B	25, 88, 128
				III	4.2	155, IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	A	128
	Krypton, compressed	2.2	UN1056	.....	2.2	.....	306, 307	302	None	75 kg	150 kg	A	.....
	Krypton, refrigerated liquid (<i>cryogenic liquid</i>)	2.2	UN1970		2.2	T75, TP5	320	None	None	50 kg	500 kg	D	
	Lacquer base or lacquer chips, nitrocellulose, dry, <i>see</i> Nitrocellulose, <i>etc.</i> (UN 2557)												
	Lacquer base or lacquer chips, plastic, wet with alcohol or solvent, <i>see</i> Nitrocellulose (UN2059, UN2555, UN2556, UN2557) or Paint <i>etc.</i> (UN1263)												
	Lead acetate	6.1	UN1616	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Lead arsenates	6.1	UN1617	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Lead arsenites	6.1	UN1618	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Lead azide (dry)	Forbidden											
	Lead azide, wetted with not less than 20 percent water or mixture of alcohol and water, by mass	1.1A	UN0129	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
G	Lead compounds, soluble, n.o.s	6.1	UN2291	III	6.1	138, IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Lead cyanide	6.1	UN1620	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52
	Lead dioxide	5.1	UN1872	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Lead dross, <i>see</i> Lead sulfate, with more than 3 percent free acid												
	Lead nitrate	5.1	UN1469	II	5.1, 6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	
	Lead nitrosorcinic acid (dry)	Forbidden											
	Lead perchlorate, solid	5.1	UN1470	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58

§ 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)
	Lead perchlorate, solution	5.1	UN3408	II	5.1, 6.1	IB2, T4, TP1	152	202	243	1 L	5 L	A	56, 58
	Lead peroxide, see Lead dioxide												
	Lead phosphite, dibasic	4.1	UN2989	III	5.1, 6.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	A	56, 58
	Lead picrate (dry)	Forbidden											
	Lead stypnate, wetted or Lead stypnate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass	Forbidden											
	Lead sulfate with more than 3 percent free acid	1.1A	UN0130	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
	Lead tinitrosorcinatate, see Lead stypnate, etc												
	Life-saving appliances, not self inflating containing dangerous goods as equipment	9	UN3072	.....	None	182	None	219	None	No limit	No limit	A	122
	Life-saving appliances, self inflating	9	UN2990	.....	None	338	None	219	None	No limit	No limit	A	122
	Lighters containing flammable gas	2.1	UN1057	.....	2.1	168	21,308	21,308	None	1 kg	15 kg	B	40
	Lighters, new or empty, purged of all residual fuel and vapors												
	Lighters, non-pressurized, containing flammable liquid	3	NA1057	II	3	168	21	None	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	306	None	1 kg	15 kg	B	40
	Lighter replacement cartridges containing liquefied petroleum gases see Lighter refills containing flammable gas. Etc.												
	Lighters, fuse												
	Lime, unslaked, see Calcium oxide	1.4S	UN0131	1.4S	None	62	None	25 kg	100 kg	01	25

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G	Liquefied gas, flammable, n.o.s.	2.1	UN3161	2.1	T50	306	304	314, 315	Forbidden	150 kg	D	40
G	Liquefied gas, n.o.s.	2.2	UN3163	2.2	T50	306	304	314, 315	75 kg	150 kg	A	
G	Liquefied gas, oxidizing, n.o.s.	2.2, 5.1	UN3157	2.2, 2.3, 8	A14	306	304	314, 315	75 kg	150 kg	D	
G I	Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3, 8	UN3308	2.3, 8	1	None	192	245	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3, 8	UN3308	2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3, 8	UN3308	2.3, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3, 8	UN3308	2.3, 8	4	None	304	314, 315	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3, 2.1, 8	UN3309	2.3, 2.1, 8	1	None	192	245	Forbidden	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3, 2.1, 8	UN3309	2.3, 2.1, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3, 2.1, 8	UN3309	2.3, 2.1, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3, 2.1, 8	UN3309	2.3, 2.1, 8	4	None	304	314, 315	Forbidden	Forbidden	D	17, 40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3, 2.1	UN3160	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3, 2.1	UN3160	2.3, 2.1	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3, 2.1	UN3160	2.3, 2.1	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3, 2.1	UN3160	2.3, 2.1	4	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3162	2.3	1	None	192	245	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3162	2.3	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3162	2.3	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3162	2.3	4	None	304	314, 315	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3, 5.1, 8	UN3310	2.3, 5.1, 8	1	None	192	245	Forbidden	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3, 5.1, 8	UN3310	2.3, 5.1, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40, 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)
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	304	314, 315	Forbidden	Forbidden	D	40, 89, 90	
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3310		2.3, 5.1, 8	4	304	314, 315	Forbidden	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	192	245	Forbidden	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	304	314, 315	Forbidden	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	304	314, 315	Forbidden	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	304	314, 315	Forbidden	Forbidden	D	40	
	Liquefied gases, non-flammable charged with nitrogen, carbon dioxide or air	2.2	UN1058		2.2		306	None	75 kg	150 kg	A		
	Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s.												
	Liquefied natural gas, see Methane, etc. (UN 1972)												
	Liquefied petroleum gas see Petroleum gases, liquefied												
	Lithium	4.3	UN1415	I	4.3	A7, A19, IB4, IP1, N45, T9, TP7, TP33, W31	211	244	Forbidden	15 kg	D	13, 52, 148	
	Lithium acetylde ethylenediamine complex, see Water reactive solid etc												
	Lithium aluminum hydride	4.3	UN1410	I	4.3	A19, W31	211	242	Forbidden	15 kg	E	13, 52, 148	
	Lithium aluminum hydride, ethereal	4.3	UN1411	I	4.3, 3	A2, A11, N34	201	244	Forbidden	1 L	D	13, 40, 148	
	Lithium batteries installed in cargo transport unit, lithium ion batteries or lithium metal batteries	9	UN3536	.....		389			Forbidden	Forbidden	A	
	Lithium borohydride	4.3	UN1413	I	4.3	A19, N40, W31	211	242	Forbidden	15 kg	E	13, 52, 148	

Lithium ferrosilicon	4.3	UN2830	II	4.3	A19, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 40, 85, 103, 148
Lithium hydride	4.3	UN1414	I	4.3	A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 52, 148
Lithium hydride, fused solid	4.3	UN2805	II	4.3	A8, A19, A20, IB4, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	13, 52, 148
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	II	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, 25, 52, 56, 58, 69, 106, 116
			III	5.1	IB8, IP3, N34, T1, TP33	152	213	240	25 kg	100 kg	A	4, 25, 52, 56, 58, 69, 106, 116
<i>Lithium in cartridges, see Lithium</i>												
Lithium ion batteries including lithium ion polymer batteries	9	UN3480	.....	9	388, 422, A54, A100	185	185	185	Forbidden	35 kg	A	156
Lithium ion batteries contained in equipment including lithium ion polymer batteries	9	UN3481	.....	9	181, 360, 388, 422, A54	185	185	185	5 kg	35 kg	A	156
Lithium ion batteries, packed with equipment including lithium ion polymer batteries	9	UN3481	.....	9	181, 360, 388, 422, A54	185	185	185	5 kg	35 kg	A	156
Lithium metal batteries including lithium alloy batteries	9	UN3090	.....	9	388, 422, A54	185	185	185	Forbidden	35 kg	A	156
Lithium metal batteries contained in equipment including lithium alloy batteries	9	UN3091	.....	9	181, 360, 388, 422, A54, A101	185	185	185	5 kg	35 kg	A	156
Lithium metal batteries packed with equipment including lithium alloy batteries	9	UN3091	.....	9	181, 360, 388, 422, A54	185	185	185	5 kg	35 kg	A	156
Lithium nitrate	5.1	UN2722	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Lithium nitride	4.3	UN2806	I	4.3	A19, IB4, IP1, N40, W31	None	211	242	Forbidden	15 kg	E	13, 52, 66, 75, 148
Lithium peroxide	5.1	UN1472	II	5.1	A9, IB6, IP2, N34, T3, TP33, W100	152	212	None	5 kg	25 kg	C	
			II	4.3	A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	A	13, 85, 103, 148
Lithium silicon	4.3	UN1417	II	4.3	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
LNG, see Methane etc. (UN 1972) London purple	6.1	UN1621	II	6.1								

§ 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)
	LPG, see Petroleum gases, liquefied Lye, see Sodium hydroxide, solutions Magnesium aluminum phosphide	4.3	UN1419	I	4.3, 6.1	A19, N34, N40, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 85, 148
+	Magnesium arsenate Magnesium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s. Magnesium bromate Magnesium chlorate Magnesium diamide	6.1	UN1622	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Magnesium bromate	5.1	UN1473	II	5.1	A1, IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Magnesium chlorate	5.1	UN2723	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Magnesium diamide	4.2	UN2004	II	4.2	A8, A19, A20, IB6, T3, TP33, W31	None	212	241	15 kg	50 kg	C	13, 148
	Magnesium dross, wet or hot Magnesium fluorosilicate Magnesium granules, coated, particle size not less than 149 microns Magnesium hydride	Forbidden 6.1 4.3	UN2853 UN2950	III III	6.1 4.3	IB8, IP3, T1, TP33 A1, A19, IB8, IP4, T1, TP33, W100	153 151	213 213	240 240	100 kg 25 kg	200 kg 100 kg	A A	52 13, 52, 148
	Magnesium nitrate	4.3	UN2010	I	4.3	A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Magnesium or Magnesium alloys with more than 50 percent magnesium in pellets, turnings or ribbons	4.1	UN1869	III	4.1	A1, B134, IB8, IP21, T1, TP33, W100	151	213	240	25 kg	100 kg	A	13, 39, 52, 53, 74, 101, 147, 148
	Magnesium nitrate	5.1	UN1474	III	5.1	332, A1, B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Magnesium perchlorate	5.1	UN1475	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Magnesium peroxide	5.1	UN1476	II	5.1	IB6, IP2, T3, TP33, W100	152	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148
	Magnesium phosphide	4.3	UN2011	I	4.3, 6.1	A19, N40, W31	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148

Magnesium, powder or Magnesium alloys, powder	4.3	UN1418	I	4.3, 4.2	A19, B56, W31	None	211	244	Forbidden	15 kg	A	13, 39, 52, 148
Magnesium scrap, see Magnesium, etc. (UN 1869)			II	4.3, 4.2	A19, B56, IB5, IP2, T3, TP33, W31, W40	None	212	241	15 kg	50 kg	A	13, 39, 52, 148
Magnesium silicide			III	4.3, 4.2	A19, B56, IB8, IP4, T1, TP33, W31	None	213	241	25 kg	100 kg	A	13, 39, 52, 148
Magnetized material, see § 173.21			II	4.3	A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	B	13, 85, 103, 148
Maleic anhydride	8	UN2215	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	53, 58, 95, 102
Maleic anhydride, molten	8	UN2215	III	8	T4, TP3	None	213	240	Forbidden	Forbidden	A	53, 58, 95, 102
Malononitrile	6.1	UN2647	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	12, 25
Manczab (manganese ethylenebisdiethiocarbamate complex with zinc) see Maneb			III	4.2, 4.3	57, A1, A19, IB6, T1, TP33, W100	None	213	242	25 kg	100 kg	A	13, 34, 148
Maneb or Maneb preparations with not less than 60 percent maneb	4.2	UN2210	III	4.2, 4.3	54, A1, A19, IB8, IP4, T1, TP33, W100	151	213	242	25 kg	100 kg	B	13, 34, 52, 148
Maneb stabilized, or Maneb preparations, stabilized against self-heating	4.3	UN2968	III	4.3								
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	
Mannitol hexanitrate (dry)	Forbidden											
Mannitol hexanitrate, wetted or Nitromannite, wetted with not less than 40 percent water, or mixture of alcohol and water, by mass	Forbidden											
Manne pollutants, liquid or solid, n.o.s., see Environmentally hazardous substances, liquid or solid, n.o.s.	1.1D	UN0133	.....	1.1D	121	None	62	None	Forbidden	Forbidden	04	25
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 on 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												
Medical waste, category A, affecting humans, solid or Medical waste, category A, affecting animals only, solid	6.2	UN3549	.....	6.2	131, 430							

§ 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)
	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
	Medicine, solid, toxic, n.o.s	6.1	UN3249	III	6.1	T3, TP33	153	202	243	5 L	60 L	C	40
	<i>Mentyltetrahydrophthalic anhydride</i> , see Corrosive liquids, n.o.s.	6.1	UN3249	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	T3, TP33	153	213	240	100 kg	200 kg	C	40
	Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mixtures, liquid, flammable, toxic, n.o.s	3	UN3336	I	3	T11, TP2	150	201	243	1 L	30 L	E	95, 102
	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	IB2, T7, TP1, TP8, TP28 B1, B52, IB3, T4, TP1, TP29	150	202	242	5 L	60 L	B	95, 102
	5-Mercaptotetrazol-1-acetic acid	6.1	UN3071	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	241	60 L	220 L	B	95, 102
	Mercaptan arsenate	6.1	UN0448	II	3, 6.1	A6, B1, IB3, T7, TP1, TP28	150	203	242	5 L	220 L	A	40, 95, 102
	Mercaptan chloride	6.1	UN1623	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	C	40, 102, 121
	Mercaptan nitrate	6.1	UN1625	II	6.1	IB8, IP2, IP4, N73, T3, TP33	153	212	242	25 kg	100 kg	A	25
	Mercaptan potassium cyanide	6.1	UN1626	I	6.1	IB7, IP1, N74, N75, T6, TP33, W31	None	211	242	5 kg	50 kg	A	52
	Mercaptan sulfoyanate, see Mercury thiocyanate												
	Mercurof, see Mercury nucleate												

A W	Mercurous azide	Forbidden	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 97
	Mercurous compounds, see Mercury compounds, etc											
	Mercurous nitrate											
	Mercury											
	Mercury acetate											
	Mercury acetylacrylate											
	Mercury ammonium chloride											
	Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C											
	Mercury based pesticides, liquid, toxic											
	Mercury based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C											
G	Mercury benzoate	6.1	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Mercury bromides											
	Mercury compound, liquid, n.o.s											
	Mercury compound, solid, n.o.s											
	Mercury cyanide											
	Mercury fulminate, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass											
	Mercury gluconate											
	Mercury iodide											
	Mercury iodide aquabasic ammonobasic (iodide of Millon's base)											
	Mercury nitride											
A W	Mercurous azide	Forbidden	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 97
	Mercurous compounds, see Mercury compounds, etc											
	Mercurous nitrate											
	Mercury											
	Mercury acetate											
	Mercury acetylacrylate											
	Mercury ammonium chloride											
	Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C											
	Mercury based pesticides, liquid, toxic											
	Mercury based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees 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)	Other Loca- tion (10A)	Other (10B)	
G	Mercury nucleate Mercury oleate Mercury oxide <i>Mercury oxycyanide</i> Mercury oxycyanide, desensitized Mercury potassium iodide Mercury salicylate Mercury sulfates Mercury thiocyanate Mesityl oxide Metal carbonyls, liquid, n.o.s.	6.1 6.1 6.1 Forbidden 6.1 6.1 6.1 6.1 6.1 6.1 3 6.1	UN1639 UN1640 UN1641 UN1642 UN1643 UN1644 UN1645 UN1646 UN1229 UN3281	II II II II II II II III I	6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 3 6.1	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
								153	212	242	25 kg	100 kg	A	A
								153	212	242	25 kg	100 kg	A	A
								153	212	242	25 kg	100 kg	A	A
								153	212	242	25 kg	100 kg	A	A
								153	212	242	25 kg	100 kg	A	A
								153	212	242	25 kg	100 kg	A	A
								153	212	242	25 kg	100 kg	A	A
								150	203	242	60 L	220 L	A	A
								None	201	243	1 L	30 L	B	B
								153	202	243	5 L	60 L	B	B
								153	203	241	60 L	220 L	A	A
None	211	242	5 kg	50 kg	D	D								
153	212	242	25 kg	100 kg	B	B								
153	213	240	100 kg	200 kg	B	B								
None	187	None	Forbidden	Forbidden	C	C								
None	187	None	Forbidden	50 kg	C	C								
None	187	None	Forbidden	25 kg	C	C								
None	212	None	Forbidden	50 kg	C	C								
151	212	240	15 kg	50 kg	E	E								
151	213	240	25 kg	100 kg	E	E								
None	211	242	Forbidden	15 kg	D	D								
151	212	242	15 kg	50 kg	D	D								
None	212	241	15 kg	50 kg	C	C								
None	213	241	25 kg	100 kg	C	C								
G	Metal catalyst, wetted with a visible excess or liquid Metal hydrides, flammable, n.o.s	4.2 4.1 4.3	UN1378 UN3182 UN1409	II II I	4.2 4.1 4.3	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
								None	212	None	Forbidden	50 kg	C	C
								151	212	240	15 kg	50 kg	E	E
								151	213	240	25 kg	100 kg	E	E
G	Metal hydrides, water reactive, n.o.s	4.3	UN1409	I	4.3	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
								151	212	242	15 kg	50 kg	D	D
G	Metal powder, self-heating, n.o.s	4.2	UN3189	II III	4.2 4.2	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
								None	212	241	15 kg	50 kg	C	C

	Metal powders, flammable, n.o.s	4.1	UN3089	II	4.1	IB8, IP2, IP4, T3, TP33, W100	151	212	240	15 kg	50 kg	B	13, 74, 147, 148
	Metal salts of methyl nitramine (dry)												
	Metal salts of organic compounds, flammable, n.o.s	Forbidden											
G		4.1	UN3181	II	4.1	A1, IB8, IP2, IP4, T3, TP33, W31	151	212	240	15 kg	50 kg	B	40
	Metaldehyde												
	Metallic substance, water-reactive, n.o.s	4.1	UN1332	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	B	40
		4.3	UN3208	I	4.3	A1, IB8, IP3, T1, TP33	None	211	242	Forbidden	15 kg	A	13, 40, 148
G				II	4.3	A7, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	E	13, 40, 148
	Metallic substance, water-reactive, self-heating, n.o.s	4.3	UN3209	III	4.3	A7, IB8, IP21, T1, TP33, W31	151	213	241	25 kg	100 kg	E	13, 40, 148
				I	4.3, 4.2	A7, W31	None	211	242	Forbidden	15 kg	E	13, 40, 148
				II	4.3, 4.2	A7, IB5, IP2, T3, TP33, W31, W40	None	212	242	15 kg	50 kg	E	13, 40, 148
	Methacrylaldehyde, stabilized	3	UN2396	III	4.3, 4.2	A7, IB8, IP4, T1, TP33, W31	None	213	242	25 kg	100 kg	E	13, 40, 148
				II	3, 6.1	45, 387, IB2, T7, TP1, TP13	150	202	243	1 L	60 L	D	25, 40
	Methacrylic acid, stabilized	8	UN2531	II	8	41, 387, IB2, T7, TP1, TP16, TP30	154	202	242	1 L	30 L	C	25, 40, 53, 58
	Methacrylonitrile, stabilized	6.1	UN3079	I	6.1, 3	2, 387, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	12, 25, 40
+	Methyl alcohol	3	UN2614	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methane and hydrogen, mixtures, see Hydrogen and methane, mixtures, etc												
	Methane, compressed or Natural gas, compressed (with high methane content)	2.1	UN1971		2.1		306	302	302	Forbidden	150 kg	E	40
	Methane, refrigerated liquid (cryogenic liquid) or Natural gas, refrigerated liquid (cryogenic liquid), with high methane content	2.1	UN1972	.....	2.1	T75, TP5, 440	None	None	318, 319	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, 53, 58
+I	Methanol	3	UN1230	II	3, 6.1	IB2, T7, TP2	150	202	242	1 L	60 L	B	40
D	Methanol	3	UN1230	II	3	IB2, T7, TP2	150	202	242	1 L	60 L	B	40
	Methazoic acid	Forbidden											
	4-Methoxy-4-methylpentan-2-one	3	UN2293	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	1-Methoxy-2-propanol	3	UN3092	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

§ 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)
	Methoxymethyl isocyanate	6.1	UN2605	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP36, TP44	None	226	244	Forbidden	Forbidden	D	40
	Methyl acetate	3	UN1231	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	25, 40
	Methyl acetylene and propadiene mixtures, stabilized	2.1	UN1060	.....	2.1	387, N88, T50	306	304	314, 315	Forbidden	150 kg	B	
	Methyl acrylate, stabilized	3	UN1919	II	3	387, IB2, T4, TP1, TP13	150	202	242	5 L	60 L	C	25
	Methyl alcohol, see Methanol												
	Methyl allyl chloride	3	UN2554	II	3	IB2, T4, TP1, TP13	150	202	242	5 L	60 L	E	
	Methyl aryl 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												
	Methyl bromide and ethylene dibromide mixtures, liquid	6.1	UN1647	I	6.1	2, B9, B14, B32, N65, T20, TP2, TP13, TP36, TP44	None	227	244	Forbidden	Forbidden	D	40
	Methyl bromoacetate	6.1	UN2643	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	40
	2-Methylbutanal	3	UN3371	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	2-Methyl-1-butene	3	UN2459	I	3	T11, TP2	None	201	243	1 L	30 L	E	
	2-Methyl-2-butene	3	UN2460	II	3	IB2, IP8, T7, TP1	150	202	242	5 L	60 L	E	
	3-Methyl-1-butene	3	UN2561	I	3	T11, TP2	None	201	243	1 L	30 L	E	
	Methyl tert-butyl ether	3	UN2398	I	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	
	Methyl butyrate	3	UN1237	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methyl chloride or Refrigerant gas R 40	2.1	UN1063		2.1	N86, T50	306	304	314, 315	5 kg	100 kg	D	40
	Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures												
	Methyl chloride and methylene chloride mixtures	2.1	UN1912		2.1	N86, T50	306	304	314, 315	Forbidden	150 kg	D	40
	Methyl chloroacetate	6.1	UN2295	I	6.1, 3	T14, TP2, TP13	None	201	243	1 L	30 L	D	

Methyl chloroacetate, <i>see</i> Methyl chloroformate														21, 40, 53, 58, 100
Methyl chloroethane														40
Methyl chloroformate														40
Methyl chloromethyl ether														
Methyl 2-chloropropionate														
Methyl dichloroacetate														
Methyl ethyl ether, <i>see</i> Ethyl methyl ether														
Methyl ethyl ketone, <i>see</i> Ethyl methyl ketone														
Methyl ethyl ketone peroxide, <i>in solution with more than 9 percent by mass active oxygen</i>														
2-Methyl-5-ethylpyridine														
Methyl fluoride, or Refrigerant gas R 41														
2-Methyl-2-heptanethiol														
Methyl iodide														
Methyl isobutyl carbinol														
Methyl isobutyl ketone														
Methyl isobutyl ketone peroxide, <i>in solution with more than 9 percent by mass active oxygen</i>														
Methyl isocyanate														
Methyl isopropenyl ketone, stabilized														
Methyl isothiocyanate														
Methyl isovaleate														
Methyl magnesium bromide, in ethyl ether														
Methyl mercaptan														
Methyl mercaptopropionaldehyde, <i>see</i> 4-Thiapentalol														
Methyl methacrylate monomer, stabilized														
Methyl nitramine (dry)														
Methyl nitrate														
Methyl nitrite														
6.1 UN1238	I	6.1, 3, 8			1, B9, B14, B30, N34, T22, TP2, TP13, TP38, TP44		244	Forbiddn						
6.1 UN1239	I	6.1, 3			1, B9, B14, B30, T22, TP2, TP13, TP38, TP44		244	Forbiddn						
3 UN2933	III	3			B1, B3, T2, TP1		242	60 L	220 L					
6.1 UN2299	III	6.1			IB3, T4, TP1		241	60 L	220 L					
Forbiddn														
6.1 UN2300	III	6.1			IB3, T4, TP1	153	241	60 L	220 L	A				
2.1 UN2454		2.1				306	314, 315	Forbiddn	150 kg	E				40
3 UN1243	I	3			T11, TP2	150	243	1 L	30 L	E				
6.1 UN3023	I	6.1, 3			2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	244	Forbiddn	Forbiddn	D				40, 102
6.1 UN2644	I	6.1			2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	244	Forbiddn	Forbiddn	D				12, 25, 40
3 UN2053	III	3			B1, B3, T2, TP1	150	242	60 L	220 L	A				
3 UN1245	II	3			IB2, T4, TP1	150	242	5 L	60 L	B				
Forbiddn														
6.1 UN2480	I	6.1, 3			1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	244	Forbiddn	Forbiddn	D				40, 52
3 UN1246	II	3			387, IB2, T4, TP1	150	242	5 L	60 L	C				25
6.1 UN2477	I	6.1, 3			2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	244	Forbiddn	Forbiddn	D				40
3 UN2400	II	3			IB2, T4, TP1	150	242	5 L	60 L	B				
4.3 UN1928	I	4.3, 3			.....	None	243	Forbiddn	1 L	D				13, 148
2.3 UN1064		2.3, 2.1			3, B7, B9, B14, N89, T50	None	314, 315	Forbiddn	Forbiddn	D				40
3 UN1247	II	3			387, IB2, T4, TP1	150	242	5 L	60 L	C				25, 40
Forbiddn														
Forbiddn														
Forbiddn														
Methyl nitrite														

§ 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	Methyl norbornene dicarboxylic anhydride, see Corrosive liquids, n.o.s. Methyl orthosilicate	6.1	UN2606	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Methyl phosphonic dichloride	6.1	NA9206	I	6.1, 8	2, B9, B14, B32, N34, N43, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	C	
D	Methyl phosphonothioic dichloride, anhydrous, see Corrosive liquid, n.o.s. Methyl phosphonous dichloride, pyrophoric liquid	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B16, B32, T20, TP4, TP12, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	18
	Methyl picric acid (heavy metal salts of) Methyl propionate Methyl propyl ether Methyl propyl ketone Methyl sulfate, see Dimethyl sulfate Methyl sulfide, see Dimethyl sulfide Methyl trichloroacetate Methyl trimethylol methane trinitrate Methyl vinyl ketone, stabilized	Forbidden 3 3 3 6.1 Forbidden 6.1	UN1248 UN2612 UN1249 UN2533 UN1251	II II II III I	3 3 3 6.1 6.1, 3, 8	IB2, T4, TP1 IB2, IP8, T7, TP2 IB2, T4, TP1 IB3, T4, TP1 1, 387, B9, B14, B30, T22, TP2, TP13, TP38, TP44 IB2, IP8, T7, TP2 N87, T50 B1, IB2, T7, TP1	150 150 150 153 None	202 202 202 203 226	242 242 242 241 244	5 L 5 L 5 L 60 L Forbidden	60 L 60 L 60 L 220 L Forbidden	B E B A B	40 21, 25, 40, 100
	Methylal Methylamine, anhydrous Methylamine, aqueous solution Methylamine dinitramine and dry salts thereof Methylamine nitroform Methylamine perchlorate (dry) Methylamine acetate N-Methylamine alpha-Methylbenzyl alcohol, liquid	3 2.1 3 Forbidden Forbidden Forbidden 6.1 6.1	UN1234 UN1061 UN1235	II II	3 2.1 3, 8	IB2, IP8, T7, TP2 N87, T50 B1, IB2, T7, TP1	150 306 150	202 304 202	242 314, 243	5 L Forbidden 1 L	60 L 150 kg 5 L	E B E	40, 52 52, 135.
		Forbidden						203	241		220 L 220 L 220 L	A A A	
		Forbidden	UN1233	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
		Forbidden	UN2294	III	6.1	IB3, T4, TP2	153	203	241	60 L	220 L	A	
		6.1	UN2937	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	

Proper shipping name	UN number	Class	Division	Subdivision	Label	Quantity	Special provisions	Proper shipping name	UN number	Class	Division	Subdivision	Label	Quantity	Special provisions
alpha-Methylbenzyl alcohol, solid	UN3438	6.1	III	6.1	IB8, IP3, T1, TP33	153	213	240	200 kg	A	40, 52				
3-Methylbutan-2-one	UN2397	3	II	3	IB2, T4, TP1	150	202	242	60 L	B	40, 52				
N-Methylbutylamine	UN2945	3	II	3, 8	IB2, T7, TP1	150	202	243	5 L	B	17, 40				
Methylchlorosilane	UN2534	2.3	II	2.3, 2.1, 2.1, 8	2, B9, B14, N34	None	226	314, 315	Forbidden	D					
Methylcyclohexane	UN2296	3	II	3	B1, IB2, T4, TP2	150	202	242	5 L	B	40				
Methylcyclohexanols, flammable	UN2617	3	III	3	B1, IB3, T2, TP1	150	203	242	60 L	A					
Methylcyclohexanone	UN2297	3	III	3	B1, IB3, T2, TP1	150	203	242	60 L	A					
Methylcyclopentane	UN2298	3	II	3	IB2, T4, TP1	150	202	242	5 L	B					
Methyldichloroarsine	NA1556	6.1	I	6.1	2, T20, TP4, TP13, TP38, TP45	None	192	None	Forbidden	D					
Methyldichlorosilane	UN1242	4.3	I	4.3, 8, 3	A2, A7, B6, B77, N34, T14, TP2, TP7, TP13, W31	None	201	243	1 L	D	21, 40, 49, 53, 58, 100				
Methylene chloride, see Dichloromethane															
Methylene glycol dinitrate	Forbidden														
2-Methyluran	UN2301	3	II	3	IB2, T4, TP1	150	202	242	5 L	E					
a-Methylglucoside tetranitrate	Forbidden														
a-Methylglucosyl trinitrate	Forbidden														
5-Methylhexan-2-one	UN2302	3	III	3	B1, IB3, T2, TP1	150	203	242	60 L	A	21, 40, 49, 52 and 100				
Methylhydrazine	UN1244	6.1	I	6.1, 3, 8	1, B7, B9, B14, B30, B77, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	D					
4-Methylmorpholine or methylmorpholine	UN2535	3	II	3, 8	B6, IB2, T7, TP1	150	202	243	1 L	B	40				
Methylpentadienes	UN2461	3	II	3	IB2, T4, TP1	150	202	242	5 L	E					
2-Methylpentan-2-ol	UN2560	3	III	3	B1, IB3, T2, TP1	150	203	242	60 L	A					
Methylperianes, see Hexanes															
Methylphenyldichlorosilane	UN2437	8	II	8	T10, TP2, TP7, TP13	None	206	242	Forbidden	C	40, 53, 58				
1-Methylpiperidine	UN2399	3	II	3, 8	IB2, T7, TP1	150	202	243	1 L	B	52				
Methyltetrahydrofuran	UN2536	3	II	3	IB2, T4, TP1	150	202	242	5 L	B					
Methyltrichlorosilane	UN1250	3	II	3, 8	A7, B6, B77, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	B	40, 53, 58				
alpha-Methylvaleraldehyde	UN2367	3	II	3	B1, IB2, T4, TP1	150	202	242	5 L	B					
Mine rescue equipment containing carbon dioxide, see Carbon dioxide															
Mines with bursting charge	UN0136	1.1F	.....	1.1F	.....	.....	62	None	Forbidden	03	25				
Mines with bursting charge	UN0137	1.1D	.....	1.1D	.....	.....	62	62	Forbidden	03	25				
Mines with bursting charge	UN0138	1.2D	.....	1.2D	.....	.....	62	62	Forbidden	03	25				
Mixed acid, see Nitric acid, mixtures etc	UN0294	1.2F	.....	1.2F	.....	.....	62	None	Forbidden	03	25				
Mobility aids, see Battery powered equipment or Battery powered vehicle															

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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	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
D	Model rocket motor	1.4C	NA0276	.....	1.4C	51	None	62	None	75 kg	02	25
D	Model rocket motor	1.4S	NA0323	.....	1.4S	51	None	62	None	100 kg	01	25
	Molybdenum pentachloride	8	UN2508	III	8	IB8, IP3, T1, TP33	154	213	240	100 kg	C	40, 53, 58	
	<i>Monochloroacetone (unstabilized)</i>	Forbidden											
	<i>Monochloroethylene, see Vinyl chloride, stabilized</i>												
	<i>Monothanolamine, see Ethanolamine, solutions</i>												
	<i>Monothylamine, see Ethylamine</i>												
	Morpholine	8	UN2054	I	8, 3	T10, TP2	None	201	243	0.5 L	A		
	<i>Morpholine, aqueous, mixture, see Corrosive liquids, n.o.s.</i>												
	Motor fuel anti-knock compounds												
	see Motor fuel anti-knock mixtures												
+	Motor fuel anti-knock mixture, flammable	6.1	UN3483	I	6.1, 3	14, T14, TP2, TP13	None	201	244	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	D	25, 40	
	Motor spirit, see Gasoline												
	<i>Muriatic acid, see Hydrochloric acid</i>												
	Musk xylene, see 5-tert-Butyl-2,4,6-trinitro-m-xylene												
	<i>Naphtha see Petroleum distillates n.o.s.</i>												
	Naphthalene, crude or Naphthalene, refined	4.1	UN1334	III	4.1	A1, B120, IB8, IP3, T1, TP33	151	213	240	25 kg	A		
	<i>Naphthalene diozonide</i>	Forbidden											
	beta-Naphthylamine, solid	6.1	UN1650	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	A		
	beta-Naphthylamine solution	6.1	UN3411	III	6.1	IB2, T7, TP2	153	202	243	5 L	A		
	alpha-Naphthylamine	6.1	UN2077	III	6.1	IB2, T7, TP2	153	203	241	60 L	A		
	Naphthalene, molten	4.1	UN2304	III	4.1	IB8, IP3, T1, TP33	153	213	240	100 kg	A		
	<i>Naphthylamineperchlorate</i>	Forbidden											
	Naphthylthiourea	6.1	UN1651	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A		
	Naphthylurea	6.1	UN1652	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A		

Natural gases (with high methane content), see Methane, etc. (UN 1971, UN 1972)																									
Neon, compressed	2.2	UN1065	.....	2.2												306, 307									
Neon, refrigerated liquid (cryogenic liquid) <i>see §§ 173.51 and 173.56</i>	2.2	UN1913		2.2																					
Nickel carbonyl	6.1	UN1259	I	6.1, 3											1	None									
Nickel cyanide	6.1	UN1653	II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33																		40, 78 52		
Nickel nitrate	5.1	UN2725	III	5.1	A1, IB8, IP3, T1, TP33																				
Nickel nitrite	5.1	UN2726	III	5.1	A1, IB8, IP3, T1, TP33																				
Nickel picrate	Forbidden																								
Nicotine	6.1	UN1654	II	6.1	IB2										153										
Nicotine compounds, liquid, n.o.s. or Nicotine preparations, liquid, n.o.s.	6.1	UN3144	I	6.1	A4										None									40	
Nicotine compounds, solid, n.o.s. or Nicotine preparations, solid, n.o.s.	6.1	UN1655	II III I	6.1 6.1 6.1	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33										153 153 None									40 40	
Nicotine hydrochloride liquid or solution	6.1	UN1656	II	6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 IB2										153 153 153										
Nicotine hydrochloride, solid	6.1	UN3444	III	6.1	IB3										153										
Nicotine salicylate	6.1	UN1657	II	6.1	IB8, IP2, IP4, T3, TP33										153										
Nicotine sulfate solution	6.1	UN1658	II	6.1	IB2, T7, TP2										153										
Nicotine sulphate, solid	6.1	UN3445	III	6.1	IB3, T7, TP2										153										
Nicotine tartrate	6.1	UN1659	II	6.1	IB8, IP2, IP4, T3, TP33 IB8, IP2, IP4, T3, TP33										153 153										
Nitrated paper (unstable)	Forbidden																								
Nitrates, inorganic, aqueous solution, n.o.s.	5.1	UN3218	II	5.1	58, IB2, T4, TP1										152										56, 58, 133
Nitrates, inorganic, n.o.s.	5.1	UN1477	III	5.1	58, IB2, T4, TP1										152										56, 58, 133
Nitrates of diazonium compounds	Forbidden																								
Nitratine acid mixtures, spent with more than 50 percent nitric acid	8	UN1826	I	8, 5.1	A7, T10, TP2, TP13										None										40, 53, 58, 66
Nitratine acid mixtures spent with not more than 50 percent nitric acid	8	UN1826	II	8	A7, B2, IB2, T8, TP2										154										40, 53, 58
Nitratine acid mixtures with more than 50 percent nitric acid	8	UN1796	I	8, 5.1	A7, T10, TP2, TP13										None										40, 53, 58, 66

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(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)	Nitrating acid mixtures with not more than 50 percent nitric acid	8	UN1796	II	8	A7, B2, IB2, T8, TP2, TP13	154	158	242	Forbidden	30 L	D	40, 53, 58
	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	154	158	242	Forbidden	30 L	D	53, 58, 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, A212, B2, B47, B53, IB2, IP15, T8, TP2	154	158	242	Forbidden	30 L	D	44, 66, 53, 58, 74, 89, 90
	Nitric acid other than red fuming with not more than 20 percent nitric acid	8	UN2031	II	8	A6, B2, B47, B53, IB2, T8, TP2	154	158	242	1 L	30 L	D	53, 58
+	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, 53, 58, 66, 74, 89, 90
	Nitric acid other than red fuming, with more than 70 percent nitric acid	8	UN2031	I	8, 5.1	B47, B53, T10, TP2, TP12, TP13	None	158	243	Forbidden	2.5 L	D	44, 53, 58, 66, 89, 90, 110, 111
	Nitric oxide, compressed	2.3	UN1660		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	1, B77	None	337	None	Forbidden	Forbidden	D	40, 89, 90
G	Nitrites, flammable, toxic, n.o.s.	3	UN3273	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E	40, 52
		II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40, 52		
G	Nitrites, inorganic, aqueous solution, n.o.s.	5.1	UN3219	II	5.1	148, IB1, T4, TP1	152	202	242	1 L	5 L	B	46, 56, 58, 133
G	Nitrites, inorganic, n.o.s.	III	5.1	IB2, T4, TP1	152	203	241	2.5 L	30 L	B	46, 56, 58, 133		
		II	5.1	33, IB8, IP2, IP4, T3, TP33	152	212	None	5 kg	25 kg	A	46, 56, 58, 13		

G	Nitrites, liquid, toxic, n.o.s.	6.1	UN3276	I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	52
				II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	52
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	52
G	Nitrites, solid, toxic, n.o.s.	6.1	UN3439	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	D	52
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	52
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
G	Nitrites, toxic, flammable, n.o.s.	6.1	UN3275	I	6.1, 3	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52
				II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40, 52
				II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
+	3-Nitro-4-chlorobenzotrifluoride 6-Nitro-4-diazotoluene-3-sulfonic acid (dry)	6.1	UN2307	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Nitro isobutane trinitrate N-Nitro-N-methylglycolamide nitrate 2-Nitro-2-methylpropanol nitrate	Forbidden											
	Nitro urea	1.1D	UN0147	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	N-Nitroaniline	Forbidden											
	Nitroanilines (o-, m-, p-)	6.1	UN1661	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Nitroanisole, liquid	6.1	UN2730	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Nitroisoles, solid	6.1	UN3458	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
+	Nitrobenzene	6.1	UN1662	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	m-Nitrobenzene diazonium perchlorate	Forbidden											
	Nitrobenzenesulfonic acid	8	UN2305	II	8	B2, B4, IB8, IP2, IP4, T3, TP33	154	202	242	1 L	30 L	A	53, 58
	Nitrobenzol, see Nitrobenzene												
	5-Nitrobenzotriazol	1.1D	UN0385	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Nitrobenzotrifluorides, liquid	6.1	UN2306	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
	Nitrobenzotrifluorides, solid	6.1	UN3431	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Nitrobromobenzenes, liquid	6.1	UN2732	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Nitrobromobenzenes, solid	6.1	UN3459	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Nitrocellulose, dry or wetted with less than 25 percent water (or alcohol), by mass	1.1D	UN0340	.....	1.1D	196	None	62	None	Forbidden	Forbidden	04	25, 27E
	Nitrocellulose, with not more than 12.6 percent nitrogen, by dry mass mixture with or without plasticizer, with or without pigment	4.1	UN2557	II	4.1	44, 197, W31	151	212	None	1 kg	15 kg	D	28, 36
	Nitrocellulose membrane filters, with not more than 12.6% nitrogen, by dry mass												
	Nitrocellulose, plasticized with not less than 18 percent plasticizing substance, by mass	4.1	UN3270	II	4.1	43, A1	151	212	240	1 kg	15 kg	D	
		1.3C	UN0343	.....	1.3C	196	None	62	None	Forbidden	Forbidden	04	25

§ 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	.....	1.1D	198, IB2, T4, TP1, TP8 198, B1, IB3, T2, TP1 196	150 150 None	202 203 62	242 242 None	5 L 60 L Forbidden	60 L 220 L Forbidden	B A 04	25, 27E
	Nitrocellulose, wetted with not less than 25 percent alcohol, by mass	1.3C	UN0342	.....	1.3C	196	None	62	None	Forbidden	Forbidden	04	25
	Nitrocellulose with alcohol with not less than 25 percent alcohol by mass, and with not more than 12.6 percent nitrogen, by dry mass	4.1	UN2556	II	4.1	197, W31	151	212	None	1 kg	15 kg	D	12, 25, 28, 36
	Nitrocellulose with water with not less than 25 percent water, by mass	4.1	UN2555	II	4.1	197, W31	151	212	None	15 kg	50 kg	E	28, 36
	Nitrochlorobenzene, see Chloronitrobenzenes etc												
	Nitrocresols, liquid	6.1	UN3434	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Nitrocresols, solid	6.1	UN2446	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Nitroethane	3	UN2842	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Nitroethyl nitrate	Forbidden											
	Nitroethylene polymer	Forbidden											
	Nitrogen, compressed	2.2	UN1066		2.2		306, 307	302	314, 315	75 kg	150 kg	A	
	Nitrogen dioxide, see Dinitrogen tetroxide												
	Nitrogen fertilizer solution, see Fertilizer ammoniating solution etc												
	Nitrogen peroxide, see Dinitrogen tetroxide												
	Nitrogen, refrigerated liquid cryogenic liquid	2.2	UN1977		2.2	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	Forbiddn	UN2451	2.2, 5.1		None	302	None	None	75 kg	150 kg	D	40
Nitrogen tetroxide, see Dinitrogen tetroxide	Forbiddn	UN2421	2.3, 5.1, 8	1	None	336	245	Forbiddn	Forbiddn	Forbiddn	D	40, 89, 90
Nitrogen trichloride	1.1D	UN0143	1.1D, 6.1	125	None	62	None	Forbiddn	Forbiddn	Forbiddn	04	25, 21E
Nitrogen trifluoride	Forbiddn											
Nitroglycerin, desensitized with not less than 40 percent non-volatile water insoluble phlegmatizer, by mass	Forbiddn											
Nitroglycerin, liquid, not desensitized	3	UN3343	3	129	None	214	None	Forbiddn	Forbiddn	Forbiddn	D	
Nitroglycerin mixture, desensitized, liquid, flammable, 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	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	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	E	
Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 5 percent nitroglycerin	1.1D	UN0144	1.1D		None	62	None	Forbiddn	Forbiddn	Forbiddn	04	25, 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	B	
Nitroglycerin solution in alcohol with not more than 1 percent nitroglycerin	Forbiddn											
Nitroguanidine nitrate	1.1D	UN0282	1.1D		None	62	None	Forbiddn	Forbiddn	Forbiddn	04	25
Nitroguanidine or Picrite, dry or wetted with less than 20 percent water, by mass	4.1	UN1336	I 4.1	23, A8, A19, A20, N41, W31	None	211	None	1 kg	15 kg	E	E	28, 36
Nitroguanidine, wetted or Picrite, wetted with not less than 20 percent water, by mass	Forbiddn											
1-Nitrohydantoin												

§ 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)	Nitrohydrochloric acid	8	UN1798	I	8	B10, N41, T10, TP2, TP13	None	201	243	243	Forbiddn	2.5 L	D	40, 53, 58, 66, 74, 89, 90	
	<i>Nitromannite (dry)</i> Nitromannite, wetted, see Mannitol hexanitrate, etc	Forbiddn													
	Nitromethane <i>Nitromuratic acid, see Nitrohydrochloric acid</i>	3	UN1261	II	3		150	202	None	None	Forbiddn	60 L	A		
	Nitrophenols (o-; m-; p-) <i>m-Nitrophenyldinitro methane</i>	4.1 6.1	UN2538 UN1663	III III	4.1 6.1	A1, IB8, IP3, T1, TP33 IB8, IP3, T1, TP33	151 153	213 213	240 240	240 240	25 kg 100 kg	100 kg 200 kg	A A		
	4-Nitrophenylhydrazine, with not less than 30 percent water, by mass	4.1	UN3376	I	4.1	162, A8, A19, A20, N41, W31	None	211	None	None	Forbiddn	15 kg	E	28, 36	
	Nitropropanes <i>p-Nitrosodimethylaniline</i>	3 4.2	UN2608 UN1369	III II	3 4.2	B1, IB3, T2, TP1 A19, A20, IB6, IP2, N34, T3, TP33	150 None	203 212	242 241	242 241	60 L 15 kg	220 L 50 kg	A D	34	
	Nitrostarch, dry or wetted with less than 20 percent water, by mass	1.1D	UN0146	.....	1.1D	.....	None	62	None	None	Forbiddn	Forbiddn	04	25	
	Nitrostarch, wetted with not less than 20 percent water, by mass <i>Nitrosugars (dry)</i>	4.1	UN1337	I	4.1	23, A8, A19, A20, N41, W31	None	211	None	None	1 kg	15 kg	D	28, 36	
	Nitrosyl chloride	Forbiddn													
	Nitrosylsulfuric acid, liquid	2.3	UN1069		2.3, 8	3, B14	None	304	314, 315	314, 315	Forbiddn	Forbiddn	D	40	
	Nitrosylsulfuric acid, solid	8	UN2308	II	8	A3, A7, B2, IB2, N34, T8, TP2	154	202	242	242	1 L	30 L	D	40, 53, 58, 66, 74, 89, 90	
	Nitrosylsulfuric acid, solid	8	UN3456	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	240	15 kg	50 kg	D	40, 53, 58, 66, 74, 89, 90	
	Nitrotoluenes, liquid	6.1	UN1664	II	6.1	IB2, T7, TP2	153	202	243	243	5 L	60 L	A		
	Nitrotoluenes, solid	6.1	UN3446	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	242	25 kg	100 kg	A		
	Nitrotoluidines (mono)	6.1	UN2660	III	6.1	IB8, IP3, T1, TP33	153	213	240	240	100 kg	200 kg	A		
	Nitrotriazolone or NTO	1.1D	UN0490	.....	1.1D	.....	None	62	None	None	Forbiddn	Forbiddn	04	25	

Nitrous oxide	2.2	UN1070	2.2, 5.1	A14	306	304	314, 315	150 kg	A	40
Nitrous oxide, refrigerated liquid	2.2	UN2201	2.2, 5.1	B6, T75, TP5, TP22	None	304	314, 315	Forbidden	D	40
Nitroxylene, liquid	6.1	UN1665	6.1	IB2, T7, TP2	153	202	243	60 L	A	
Nitroxylene, solid	6.1	UN3447	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	5 L 25 kg	A	
Nitroxyl, see Nitroxylene										
Nonanes	3	UN1920	III 3	B1, IB3, T2, TP2	150	203	242	220 L	A	
Non-flammable gas, n.o.s., see Compressed gas, etc. or Liquefied gas, etc										
Nonliquefied gases, see Compressed gases, etc										
Nonliquefied hydrocarbon gas, see Hydrocarbon gas mixture, compressed, n.o.s.										
Nonyltrichlorosilane	8	UN1799	II 8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	30 L	C	40, 53,
Nordhausen acid, see Sulfuric acid, fuming etc										
2,5-Norbornadiene, stabilized, see Bicyclo [2.2.1] hepta-2,5-diene, stabilized										
Octadecyltrichlorosilane	8	UN1800	II 8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	30 L	C	40, 53, 58
Octadiene	3	UN2309	II 3	B1, IB2, T4, TP1	150	202	242	60 L	B	
1,7-Octadecyne-3,5-diyne-1,8-dimethoxy-9-octadecynoic acid	2.2	UN2422	.....	.....	306	304	314, 315	75 kg	A	
Octafluorobut-2-ene or Refrigerant gas R 1318	2.2	UN1976	.....	T50	306	304	314, 315	75 kg	A	
Octafluorocyclobutane, or Refrigerant gas RC 318	2.2	UN2424	.....	T50	306	304	314, 315	75 kg	A	
Octafluoropropane or Refrigerant gas R 218	3	UN1262	II 3	IB2, T4, TP2	150	202	242	60 L	B	
Octanes, etc. see Cyclohexane, etc.										
Octogen, etc. see Tetranitramine, etc.										
Octoite or Octol, dry or wetted with less than 15 percent water, by mass	1.1D	UN0266	.....	.....	None	62	None	Forbidden	04	25
Octonal	1.1D	UN0496	.....	.....	None	62	None	Forbidden	04	25
Octyl aldehydes	3	UN1191	III 3	B1, IB3, T2, TP1	150	203	242	60 L	A	
Octyltrichlorosilane	8	UN1801	II 8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	30 L	C	40, 53, 58
Oil gas, compressed	2.3	UN1071	2.3, 2.1	6	None	304	314, 315	25 kg	D	40
Oleum, see Sulfuric acid, fuming										
Organic peroxide type A, liquid or solid	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)
G	Organic peroxide type B, liquid	5.2	UN3101	.....	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 25, 52, 53
G	Organic peroxide type B, liquid, temperature controlled	5.2	UN3111	.....	5.2, 1	53	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type B, solid	5.2	UN3102	.....	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 25, 52, 53
G	Organic peroxide type B, solid, temperature controlled	5.2	UN3112	.....	5.2, 1	53	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type C, liquid	5.2	UN3103	.....	5.2	.....	152	225	None	5 L	10 L	D	12, 25, 52, 53
G	Organic peroxide type C, liquid, temperature controlled	5.2	UN3113	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type C, solid	5.2	UN3104	.....	5.2	.....	152	225	None	5 kg	10 kg	D	12, 25, 52, 53
G	Organic peroxide type C, solid, temperature controlled	5.2	UN3114	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type D, liquid	5.2	UN3105	.....	5.2	.....	152	225	None	5 L	10 L	D	12, 25, 52, 53
G	Organic peroxide type D, liquid, temperature controlled	5.2	UN3115	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type D, solid	5.2	UN3106	.....	5.2	.....	152	225	None	5 kg	10 kg	D	12, 25, 52, 53
G	Organic peroxide type D, solid, temperature controlled	5.2	UN3116	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type E, liquid	5.2	UN3107	.....	5.2	A61	152	225	None	10 L	25 L	D	12, 25, 52, 53
G	Organic peroxide type E, liquid, temperature controlled	5.2	UN3117	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type E, solid	5.2	UN3108	.....	5.2	.....	152	225	None	10 kg	25 kg	D	12, 25, 52, 53
G	Organic peroxide type E, solid, temperature controlled	5.2	UN3118	.....	5.2	.....	None	225	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type F, liquid	5.2	UN3109	.....	5.2	A61, IP5	152	225	225	10 L	25 L	D	12, 25, 52, 53
G	Organic peroxide type F, liquid, temperature controlled	5.2	UN3119	.....	5.2	IP5	None	225	225	Forbidden	Forbidden	D	2, 25, 52, 53
G	Organic peroxide type F, solid	5.2	UN3110	.....	5.2	TP33	152	225	225	10 kg	25 kg	D	12, 25, 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	Organometallic substance, liquid, water-reactive	4.3	UN3398	I	4.3	T13, TP2, TP7, TP36, TP47, W31	None	201	244	Forbidden	1 L	D	13, 40, 52, 148							
														151	243	1 L	5 L	D	13, 40, 52, 148	
														151	242	5 L	60 L	E	13, 40, 52, 148	
G	Organometallic substance, liquid, water-reactive, flammable	4.3	UN3399	I	4.3, 3	T13, TP2, TP7, TP36, TP47, W31	None	201	244	Forbidden	1 L	D	13, 40, 52, 148							
														151	243	1 L	5 L	D	13, 40, 52, 148	
														151	242	5 L	60 L	E	13, 40, 52, 148	
G	Organometallic substance, solid, pyrophoric	4.2	UN3391	I	4.2	T21, TP7, TP33, TP36	None	187	244	Forbidden	Forbidden	D	13, 52, 148							
														None	244	Forbidden	Forbidden	D	13, 52, 148	
														None	242	15 kg	50 kg	C		
G	Organometallic substance, solid, pyrophoric, water-reactive	4.2	UN3393	I	4.2, 4.3	B11, T21, TP7, TP33, TP36, TP47	None	187	244	Forbidden	Forbidden	D	13, 40, 52, 148							
														None	242	15 kg	50 kg	C		
														None	213	242	25 kg	100 kg	C	13, 40, 52, 148
G	Organometallic substance, solid, self-heating	4.2	UN3400	II	4.2	IB6, T3, TP33, TP36	None	212	242	Forbidden	Forbidden	D	13, 40, 52, 148							
														None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
														None	212	242	15 kg	50 kg	E	13, 40, 52, 148
G	Organometallic substance, solid, water-reactive	4.3	UN3395	III	4.3	IB8, T1, TP33, TP36	None	213	242	Forbidden	100 kg	E	13, 40, 52, 148							
														None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
														None	212	242	15 kg	50 kg	E	13, 40, 52, 148
G	Organometallic substance, solid, water-reactive, flammable	4.3	UN3396	II	4.3, 4.1	IB6, T1, TP33, TP36, TP47, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148							
														None	212	242	15 kg	50 kg	E	13, 40, 52, 148
														None	213	241	25 kg	100 kg	E	13, 40, 52, 148
G	Organometallic substance, solid, water-reactive, self-heating	4.3	UN3397	I	4.3, 4.2	N40, T9, TP7, TP33, TP36, TP47, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148							
														None	212	242	15 kg	50 kg	E	13, 40, 52, 148
														None	213	241	25 kg	100 kg	E	13, 40, 52, 148

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G	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				
				I	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		
							IV	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B		
				I	6.1	UN3464	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	B			
							III	6.1	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A			
							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					
G	Organophosphorus pesticides, liquid, toxic, flammable, flash point less than 23 degrees C	6.1	UN3017	III	6.1	IB3, N76, T7, TP2, TP28	153	203	241	60 L	220 L	A	40				
				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				
				I	6.1	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				
G	Organotin compounds, solid, n.o.s.	6.1	UN3146	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				
				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	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	Organotin pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2787	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
				G	Organotin pesticides, liquid, toxic	6.1	UN3020	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				

§ 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, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3019	III	6.1, 3	IB3, T7, TP2, TP28, TP27, 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
D G	Organotin pesticides, solid, toxic	6.1	UN2786	III	6.1, 3	B1, IB3, T7, TP2, TP28, TP27, TP13, TP27	153	203	242	60 L	220 L	A	40							
														None	211	242	5 kg	50 kg	A	40
														None	212	242	25 kg	100 kg	A	40
														153	213	240	100 kg	200 kg	A	40
														153	213	240	100 kg	200 kg	A	40
D G	Orthnitroaniline, see Nitroanilines etc	6.1	UN2471	I	6.1	A8, IB7, IP1, N33, N34, T6, TP33, W31	None	211	242	5 kg	50 kg	B	40							
														None	203	241	No limit	No limit	A	
D G	Other regulated substances, liquid, n.o.s	9	NA3082	III	9	A189, IB3, T2, TP1	155	213	240	No limit	No limit	A								
														155	240	No limit	No limit	A		
G	Oxidizing liquid, corrosive, n.o.s	5.1	UN3098	I	5.1, 8	384, B54, IB8, IP2, T1, TP33	None	201	244	Forbidden	2.5 L	D	13, 56, 58, 138							
														152	202	243	1 L	5 L	B	13, 56, 58, 138
G	Oxidizing liquid, n.o.s	5.1	UN3139	III	5.1, 8	62, IB2	152	203	242	2.5 L	30 L	B	13, 56, 58, 138							
														152	201	243	Forbidden	2.5 L	D	56, 58, 138
G	Oxidizing liquid, toxic, n.o.s	5.1	UN3099	I	5.1, 6.1	62, 127, A2, IB2	None	202	242	1 L	5 L	B	56, 58, 138							
														152	203	241	2.5 L	30 L	B	56, 58, 138
G	Oxidizing liquid, toxic, n.o.s	5.1	UN3085	III	5.1, 6.1	62, 127, 148, A2, IB2	None	201	244	Forbidden	2.5 L	D	56, 58, 138							
														152	202	243	1 L	5 L	B	56, 58, 95, 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, 138							
														152	203	242	2.5 L	30 L	B	56, 58, 95, 138

G	Oxidizing solid, flammable, n.o.s	5.1	UN3137	I	5.1, 4.1	62	None	214	214	Forbiddn	Forbiddn	25 kg	B	13, 34, 56, 58, 138
G	Oxidizing solid, n.o.s.	5.1	UN1479	I	5.1	62, IB5, IP1	None	211	242	1 kg	15 kg	D	D	13, 34, 56, 58, 138
G		5.1	UN3100	I	5.1, 4.2	62	None	214	214	Forbiddn	Forbiddn	Forbiddn	B	56, 58, 138
G	Oxidizing solid, self-heating, n.o.s.	5.1	UN3087	II	5.1, 4.2	62	None	214	214	Forbiddn	Forbiddn	Forbiddn	B	56, 58, 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	D	56, 58, 138
G	Oxidizing solid, water reactive, n.o.s	5.1	UN3121	II	5.1, 4.3	62	None	214	214	Forbiddn	Forbiddn	Forbiddn	B	56, 58, 138
	Oxygen, compressed	2.2	UN1072	II	5.1, 4.3	62	None	214	214	Forbiddn	Forbiddn	Forbiddn	B	56, 58, 138
	Oxygen difluoride, compressed	2.3	UN2190	III	5.1, 6.1	62, IB8, IP2, T3, TP33	152	212	242	5 kg	25 kg	B	B	56, 58, 138
	Oxygen generator, chemical (including when contained in associated equipment, e.g., passenger service units (PSUs), portable breathing equipment (PBE), etc)	9	NA3356	III	9	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	B	56, 58, 138
	Oxygen generator, chemical, spent	2.2	UN1073	I	2.2, 5.1	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	B	56, 58, 138
	Oxygen, refrigerated liquid (cryogenic liquid)	2.3	UN1263	I	2.3, 5.1, 8	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	B	56, 58, 138
	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base	3	UN1263	I	3	62, IB8, IP3, T1, TP33	152	201	243	1 L	30 L	E	E	13, 148
	Oxygen generator, chemical (including when contained in associated equipment, e.g., passenger service units (PSUs), portable breathing equipment (PBE), etc)	9	NA3356	III	9	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	B	56, 58, 138
	Oxygen generator, chemical, spent	2.2	UN1073	I	2.2, 5.1	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	B	56, 58, 138
	Oxygen, refrigerated liquid (cryogenic liquid)	2.3	UN1263	I	2.3, 5.1, 8	62, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	B	B	56, 58, 138
	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base	3	UN1263	I	3	62, IB8, IP3, T1, TP33	152	201	243	1 L	30 L	E	E	13, 148

§ 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)
	Paint or Paint related material	8	UN3066	II	3	149, 367, B52, B131, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B	
				III	3	367, B1, B52, B131, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A	
				II	8	367, B2, IB2, T7, TP2, TP28	154	173	242	1 L	30 L	A	40
				III	8	367, B52, IB3, T4, TP1, TP29	154	173	241	5 L	60 L	A	40
				II	8, 3	367, IB2, T7, TP2, TP8, TP28	154	202	243	1 L	30 L	B	40
				I	3, 8	367, T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E	40
				II	3, 8	367, IB2, T7, TP2, TP8, TP28	150	202	243	1 L	5 L	B	40
				III	3, 8	367, IB3, T4, TP1, TP29	150	203	242	5 L	60 L	A	40
				I	3	367, T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	
				II	3	149, 367, B52, B131, IB2, T4, TP1, TP8, TP28	150	173	242	5 L	60 L	B	
				III	3	367, B1, B52, B131, IB3, T2, TP1, TP29	150	173	242	60 L	220 L	A	
				II	8, 3	367, IB2, T7, TP2, TP8, TP28	154	202	243	1 L	30 L	B	40
				I	3, 8	367, T11, TP2, TP27	None	201	243	0.5 L	2.5 L	E	40
				II	3, 8	367, IB2, T7, TP2, TP8, TP28	150	202	243	1 L	5 L	B	40
				III	3, 8	367, IB3, T4, TP1, TP29	150	203	242	5 L	60 L	A	40
				III	4.2	IB8, IP3, W31	None	213	241	Forbidden	Forbidden	A	

	Paraformaldehyde	4.1	UN2213	III	4.1	A1, B120, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
	Paraldehyde	3	UN1264	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Nitroanilines, <i>solid</i> , see Nitroanilines <i>etc</i>												
D	Parathion and compressed gas mixture	2.3	NA1967		2.3	3	None	334	245	Forbidden	Forbidden	E	40
	Paris green, <i>solid</i> , see Copper acetoarsenite												
+	PCB, see Polychlorinated biphenyls												
	Pentaborane	4.2	UN1380	I	4.2, 6.1	1	None	205	245	Forbidden	Forbidden	D	13, 148
	Pentachloroethane	6.1	UN1669	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 (<i>dry</i>)	Forbidden											
	Pentaerythrite tetranitrate mixture, desensitized, <i>solid</i> , n.o.s. or Pentaerythritol tetranitrate mixture, desensitized, <i>solid</i> , n.o.s. or PETN mixture, desensitized, <i>solid</i> , 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 tetranitrate or PETN, with not less than 7 percent wax by mass	1.1D	UN0411	.....	1.1D	120	None	62	None	Forbidden	Forbidden	04	25
	Pentaerythrite tetranitrate, wetted or 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	.....	1.1D	121	None	62	None	Forbidden	Forbidden	04	25
	Pentaerythritol tetranitrate, see Pentaerythrite tetranitrate, <i>etc</i>												
	Pentafluoroethane or Refrigerant gas R 125	2.2	UN3220		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	Pentamethylheptane	3	UN2286	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Pentane-2,4-dione	3	UN2310	III	3, 6.1	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
	Pentanes	3	UN1265	I	3	T11, TP2	150	201	243	1 L	30 L	E	
				II	3	IB2, IP8, T4, TP1	150	202	242	5 L	60 L	E	
	Pentamiracanine (<i>dry</i>)	Forbidden											
	Pentanols	3	UN1105	II	3	IB2, T4, TP1, TP29	150	202	242	5 L	60 L	B	
	1-Pentene (<i>n</i> -amylene)	3	UN1108	III	3	B1, B3, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	1-Pentol	8	UN2705	II	8	T11, TP2	150	201	243	1 L	30 L	E	
						B2, IB2, T7, TP2	154	202	242	1 L	30 L	B	26, 27

§ 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)
		1.1D	UN0151	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Pentolite, dry or wetted with less than 15 percent water, by mass Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized	5.1	UN3211	II	5.1	IB2, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
	Perchlorates, inorganic, aqueous solution, n.o.s.	5.1	UN1481	III	5.1	IB2, T4, TP1	152	202	241	2.5 L	30 L	B	56, 58, 69, 133
	Perchlorates, inorganic, n.o.s.	5.1	UN1481	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Perchloric acid, with more than 72 percent acid by mass	Forbidden		III	5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
	Perchloric acid with not more than 50 percent but not more than 72 percent acid, by mass	5.1	UN1873	I	5.1, 8	A2, N41, T10, TP1	None	201	243	Forbidden	2.5 L	D	53, 58, 66
	Perchloric acid with not more than 50 percent acid by mass	8	UN1802	II	8, 5.1	IB2, N41, T7, TP2	154	202	243	Forbidden	30 L	C	53, 58, 66
	Perchloroethylene, see Tetrachloroethylene	6.1	UN1670	I	6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Perchloromethyl mercaptan	2.3	UN3083		2.3, 5.1	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
	Perchloryl fluoride	2.3	UN3083		2.3, 5.1	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
	Percussion caps, see Primers, cap type												
	Perfluoro-2-butene, see Octafluorobut-2-ene	2.1	UN3154		2.1		306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
	Perfluoro(ethyl vinyl ether)	2.1	UN3153		2.1	T50	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
	Perfluoro(methyl vinyl ether)	3	UN1266	II	3	149, IB2, T4, TP1, TP8	150	202	242	15 L	60 L	B	
	Perfumery products with flammable solvents			III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

G	Permanganates, inorganic, aqueous solution, n.o.s.	5.1	UN3214	II	5.1	26, 353, IB2, T4, TP1	152	202	242	1 L	5 L	D	56, 58, 133, 138
G	Permanganates, inorganic, n.o.s.	5.1	UN1482	II	5.1	26, 353, A30, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
	Permeation devices for calibrating air quality monitoring equipment See § 173.175			III	5.1	26, 353, A30, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	D	56, 58, 13
	Peroxides, inorganic, n.o.s.	5.1	UN1483	II	5.1	A7, A20, IB6, IP2, N34, T3, TP33, W100	152	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148
	<i>Peroxyacetic acid, with more than 43 percent and with more than 6 percent hydrogen peroxide</i>			III	5.1	A7, A20, B134, IB8, IP21, N34, T1, TP33, W100	152	213	240	25 kg	100 kg	C	13, 52, 66, 75, 148
	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, 58, 133
G	Persulfates, 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	40
G	Pesticides, liquid, toxic, flammable, n.o.s. flash point not less than 23 degrees C	6.1	UN2903	I	6.1, 3	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
				II	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Pesticides, liquid, toxic, n.o.s.	6.1	UN2902	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
				I	6.1	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
				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
	PETN, see Pentaerythrite tetranitrate												
	PETN/TNT, see Pentolite, etc												
	Petrol, see Gasoline												
	Petroleum crude oil	3	UN1267	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	

§ 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	
D	Petroleum distillates, n.o.s. or Petroleum products, n.o.s.	3	UN1268	I	3	144, T11, TP1, TP8	201	150	243	1 L	30 L	E		
										5 L	60 L			B
										60 L	220 L				A
D	Petroleum gases, liquefied or Liquefied petroleum gas	2.1	UN1075	.....	2.1	T50, N95	304	306	314, 315	Forbidden	150 kg	E	40
										1 L	30 L			E
										5 L	60 L				B
I	Petroleum, sour crude oil, flammable, toxic	3	UN3494	I	3, 6.1	343, T14, TP2, TP13	201	None	243	Forbidden	30 L	D	40	
										1 L	60 L			D
										25 kg	100 kg				B
+	Phenacetyl bromide	6.1	UN2645	II	3, 6.1	343, IB3, T4, TP1	202	150	243	1 L	60 L	D	40	
										25 kg	100 kg			B
										60 L	220 L				A
+	Phenol, solid	6.1	UN1671	II	6.1	B14, T7, TP3	202	None	243	Forbidden	Forbidden	B	40	
										25 kg	100 kg			A
										60 L	220 L				A
	Phenoxyacetic acid, liquid	8	UN1803	II	8	B2, IB2, N41, T7, TP2	202	153	241	5 L	60 L	A		
										60 L	220 L			A
										1 L	30 L				C
	Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic flash point less than 23 degrees C	3	UN3346	I	3, 6.1	T14, TP2, TP13, TP27	201	None	243	Forbidden	30 L	B	40	
										1 L	60 L			B
										30 L	220 L				C
	Phenoxyacetic acid derivative pesticide, liquid, toxic	6.1	UN3348	I	6.1	T14, TP2, TP13, TP27	201	None	243	1 L	60 L	B	40	
										30 L	220 L			B
										5 L	60 L				B
	Phenoxyacetic acid derivative pesticide, liquid, toxic	III	6.1	III	6.1	IB3, T7, TP2, TP28	203	153	241	60 L	220 L	A	40	
										60 L	220 L			A
										241	241				A

Phenoxycetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3347	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Phenoxycetic acid derivative pesticide, solid, toxic	6.1	UN3345	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
Phenyl chloroformate	6.1	UN2746	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
Phenyl isocyanate	6.1	UN2487	II	6.1, 8	IB2, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 25, 40, 53, 58
			I	6.1, 3	2, B9, B14, B32, B77, N33, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Phenyl mercaptan	6.1	UN2337	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52
			I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 52
Phenyl phosphorus dichloride	8	UN2798	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40, 53, 58
			II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40, 53, 58
Phenyl urea pesticides, liquid, toxic	6.1	UN3002	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
Phenyacetone nitrile, liquid	6.1	UN2470	III	6.1	T4, TP1	153	203	241	60 L	220 L	A	40
			III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
Phenyacetyl chloride	8	UN2577	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	C	40, 53, 58
			I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
<i>m</i> -Phenylene diamine/diperchlorate (dry)	Forbidden	UN1672	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
			I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Phenylenediamines (o-; m-; p-)	6.1	UN1673	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	40
Phenyhydrazine	6.1	UN2572	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
			II	6.1	IB7, IP1, T6, TP33	153	211	242	5 kg	50 kg	A	40
Phenylmercuric acetate	6.1	UN1674	I	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
Phenylmercuric compounds, n.o.s.	6.1	UN2026	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
Phenylmercuric hydroxide	6.1	UN1894	II	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	242	25 kg	100 kg	A	40
Phenylmercuric nitrate	6.1	UN1895	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
			II	8	A7, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40, 53, 58
Phosgene	2.3	UN1076	.....	2.3, 8	1, B7, B46, N86	None	192	314	Forbidden	Forbidden	D	40
			II	4.2	A19, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	A	40
9-Phosphabicyclononanes	4.2	UN2940	II	4.2	A19, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	A	40
			II	2.3, 8	1, B7, B46, N86	None	192	314	Forbidden	Forbidden	D	40
Cyclooctadiene phosphines	2.3	UN2199	II	2.3, 8	1, B7, B46, N86	None	192	314	Forbidden	Forbidden	D	40
			II	2.3, 8	1, B7, B46, N86	None	192	314	Forbidden	Forbidden	D	40
Phosphine	2.3	UN2199	II	2.3, 8	1, B7, B46, N86	None	192	314	Forbidden	Forbidden	D	40
			II	2.3, 8	1, B7, B46, N86	None	192	314	Forbidden	Forbidden	D	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)
	Phosphine, adsorbed	2.3	UN3525	.....	2.3, 2.1	1	302c	None	Forbidden	Forbidden	D	40
	Phosphoric acid solution	8	UN1805	III	8	A7, IB3, N34, T4, TP1	203	241	5 L	60 L	A	53, 58	
	Phosphoric acid, solid	8	UN3453	III	8	IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	53, 58	
	<i>Phosphoric acid triethylamine, see Tris-(1-aziridinyl)phosphine oxide, solution</i>												
	<i>Phosphoric anhydride, see Phosphorus pentoxide</i>												
	Phosphorous acid	8	UN2834	III	8	IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	25, 53, 58	
	Phosphorus, amorphous	4.1	UN1338	III	4.1	A1, A19, B1, B9, B26, IB8, IP3, T1, TP33	213	243	25 kg	100 kg	A	74	
	<i>Phosphorus bromide, see Phosphorus tribromide</i>												
	<i>Phosphorus chloride, see Phosphorus trichloride</i>												
	Phosphorus heptasulfide, free from yellow or white phosphorus	4.1	UN1339	II	4.1	A20, IB4, N34, T3, TP33, W31	212	240	15 kg	50 kg	B	13, 74, 147, 148	
	Phosphorus oxybromide	8	UN1939	II	8	B8, IB8, IP2, IP4, N41, N43, T3, TP33	212	240	Forbidden	50 kg	C	12, 25, 40, 53, 58	
	Phosphorus oxybromide, molten	8	UN2576	II	8	B2, B8, IB1, N41, N43, T7, TP3, TP13	202	242	Forbidden	Forbidden	C	40, 53, 58	
+	Phosphorus oxychloride	6.1	UN1810	I	6.1, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP36, TP45	227	244	Forbidden	Forbidden	D	40	
	Phosphorus pentabromide	8	UN2691	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	212	240	Forbidden	50 kg	B	12, 25, 40, 53, 55, 58	
	Phosphorus pentachloride	8	UN1806	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	212	240	Forbidden	50 kg	C	40, 44, 53, 58, 89, 100, 141	
	Phosphorus Pentafluoride	2.3	UN2198		2.3, 8	2, B9, B14	302, 304	314, 315	Forbidden	Forbidden	D	40	

Phosphorus pentafluoride, adsorbed Phosphorus pentasulfide, free from yellow or white phosphorus Phosphorus pentoxide	2.3 4.3	UN3524 UN1340	..... II	2,3, 8 4,3, 4.1	2, B9, B14 A20, B59, IB4, T3, TP33, W31, W40 A7, IB8, IP2, IP4, N34, T3, TP33	None 151	302c 212	None 242	Forbiddn 15 kg	Forbiddn 50 kg	D B	40 13, 74, 148 53, 58
Phosphorus sesquisulfide, free from yellow or white phosphorus Phosphorus tribromide	4.1	UN1341	II	4.1	A20, IB4, N34, T3, TP33, W31	151	212	240	15 kg	50 kg	B	74
Phosphorus trichloride	6.1	UN1808	II	8	A3, A6, A7, B2, B25, IB2, N34, N43, T7, TP2	154	202	242	Forbiddn	30 L	C	40, 53, 58
Phosphorus trioxide	8	UN1809	I	6.1, 8	2, B9, B14, B15, B32, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	C	40, 53, 58
Phosphorus trisulfide, free from yel- low or white phosphorus	8	UN2578	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25, 53, 58
Phosphorus, white dry or Phos- phorus, white, under water or Phosphorus white, in solution or Phosphorus yellow dry or Phos- phorus, yellow, under water or Phosphorus, yellow, in solution Phosphorus white, molten	4.1	UN1343	II	4.1	A20, IB4, N34, T3, TP33, W31	151	212	240	15 kg	50 kg	B	13, 74, 147, 148
Phosphorus (white or red) and a chlorate mixtures of Phosphoryl chloride, see Phos- phorus oxychloride Phthalic anhydride with more than .05 percent maleic anhydride Picolines Picric acid, see Trinitrophenol, etc Picrite, see Nitroguanidine, etc Picryl chloride, see Trinitrochlorobenzene Pine oil alpha-Pinene Piperazine	4.2	UN1381 UN2447	I	4.2, 6.1	B9, B26, N34, T9, TP3, TP31, W31 B9, B26, N34, T21, TP3, TP7, TP26	None None	188 188	243 243	Forbiddn Forbiddn	Forbiddn Forbiddn	E D	
Piperidine Pivaloyl chloride, see Trimethylacetyl chloride Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor Plastic solvent, n.o.s., see Flam- mable liquids, n.o.s. Plastics, nitrocellulose-based, self- heating, n.o.s.	8 3 3 8 8	UN2214 UN2313 UN1272 UN2368 UN2579	III III III III I	8 3 3 8 8, 3	IB8, IP3, T1, TP33 B1, IB3, T4, TP1 B1, IB3, T2, TP2 B1, IB3, T2, TP2 IB8, IP3, T1, TP33 A10, T10, TP2	154 150 150 154 None	213 203 203 213 201	240 242 242 240 243	25 kg 60 L	100 kg 220 L 220 L 220 L 100 kg 2.5 L	A A A A B	53, 58 40
	9	UN3314	III	9	32, IB8, IP3, IP7	155	221	221	100 kg	200 kg	E	21, 25, 87, 144
	4.2	UN2006	III	4.2		None	213	None	Forbiddn	Forbiddn	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)
	<i>Poisonous gases, n.o.s., see Com-pressed or liquefied gases, flam-mable or toxic, n.o.s. Polyalkylamines, n.o.s., see Amines, etc</i>												
	<i>Polyamines, flammable, corrosive, n.o.s. see Amines, flammable, corrosive, n.o.s</i>												
	<i>Polyamines, liquid, corrosive, n.o.s. see Amines, liquid, corrosive, n.o.s</i>												
	<i>Polyamines, liquid, corrosive, flam-mable, n.o.s. see Amines, liquid, corrosive, flammable, n.o.s</i>												
	<i>Polychlorinated biphenyls, liquid</i>	9	UN2315	II	9	9, 81, 140, IB3, T4, TP1	155	202	241	100 L	220 L	A	95
	<i>Polychlorinated biphenyls, solid</i>	9	UN3432	II	9	9, 81, 140, IB8, IP2, IP4, T3, TP33	155	212	240	100 kg	200 kg	A	95
	<i>Polyester resin kit, liquid base ma-terial</i>	3	UN3269	.....	3	40, 149	165	165	None	5 kg	5 kg	B	
	<i>Polyester resin kit, solid base mate-rial</i>	4.1	UN3527	.....	4.1	40, 157	165	165	None	5 kg	5 kg	B	
	<i>Polyhalogenated biphenyls, liquid or Halogenated monomethyldiphenyl-methanes, liquid or Polyhalogenated terphenyls, liquid</i>	9	UN3151	II	9	IB2	155	204	241	100 L	220 L	A	95
	<i>Polyhalogenated biphenyls, solid or Halogenated monomethyldiphenyl-methanes, solid or Polyhalogenated terphenyls, solid</i>	9	UN3152	II	9	IB8, IP2, IP4, T3, TP33	155	204	241	100 kg	200 kg	A	95
	<i>Polymeric beads expandable, evol-ving flammable vapor</i>	9	UN2211	III	9	32, IB8, IP3, IP7, T1, TP33	155	221	221	100 kg	200 kg	E	21, 25, 87, 144
G	<i>Polymerizing substance, liquid, sta-bilized, n.o.s</i>	4.1	UN3532	III	4.1	387, 421, IB3, IP19, N92, T7, TP4, TP6	None	203	241	10 L	25 L	D	25, 52, 53
G	<i>Polymerizing substance, liquid, tem-perature controlled, n.o.s</i>	4.1	UN3534	III	4.1	387, 421, IB3, IP19, N92, T7, TP4, TP6	None	203	241	Forbidden	Forbidden	D	2, 25, 52, 53

G	Polymerizing substance, solid, stabilized, n.o.s.	4.1	UN3531	III	4.1	387, 421, IB7, IP19, N92, T7, TP4, TP6, TP33	None	213	240	10 kg	25 kg	D	25, 52, 53
G	Polymerizing substance, solid, temperature controlled, n.o.s.	4.1	UN3533	III	4.1	387, 421, IB7, IP19, N92, T7, TP4, TP6, TP33	None	213	240	Forbidden	Forbidden	D	2, 25, 52, 53
	Potassium	4.3	UN2257	I	4.3	A7, A19, A20, B27, IB4, IP1, N6, N34, T9, TP7, TP33, W31	151	211	244	Forbidden	15 kg	D	13, 52, 148
	Potassium arsenate	6.1	UN1677	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Potassium arsenite	6.1	UN1678	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Potassium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.												
	Potassium borohydride	4.3	UN1870	I	4.3	A19, N40, W31	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Potassium bromate	5.1	UN1484	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Potassium carbonyl	Forbidden											
	Potassium chlorate	5.1	UN1485	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Potassium chlorate, aqueous solution	5.1	UN2427	II	5.1	A2, IB2, T4, TP1	152	202	241	1 L	5 L	B	56, 58, 133
	Potassium chlorate mixed with mineral oil, see Explosive, blasting, type C			III	5.1	A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 133
	Potassium cuprocyanide	6.1	UN1679	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52
	Potassium cyanide, solid	6.1	UN1680	I	6.1	B69, B77, IB7, IP1, N74, N75, T6, TP33, W31	None	211	242	5 kg	50 kg	B	52
	Potassium cyanide solution	6.1	UN3413	I	6.1	B69, B77, N74, N75, T14, TP2, TP13, W31	None	201	243	1 L	30 L	B	52
				II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27, W31	153	202	243	5 L	60 L	B	52
				III	6.1	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28, W31	153	203	241	60 L	220 L	A	52
	Potassium dichloro isocyanurate or Potassium dichloro-s-triazinetrione, see Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts etc												
	Potassium dithionite or Potassium hydrosulfite	4.2	UN1929	II	4.2	A8, A19, A20, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	E	13
	Potassium fluoride, solid	6.1	UN1812	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Potassium fluoride solution	6.1	UN3422	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
	Potassium fluoroacetate	6.1	UN2628	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	52
	Potassium fluorosilicate	6.1	UN2655	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	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	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	<i>Potassium hydrate</i> , see Potassium hydroxide, solid												
	<i>Potassium hydrogen fluoride</i> , see Potassium hydrogen difluoride												
	<i>Potassium hydrogen fluoride solution</i> , see Corrosive liquid, n.o.s.												
	Potassium hydrogen sulfate	8	UN2509	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	53, 58
	Potassium hydrogendifluoride solid	8	UN1811	II	8, 6.1	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52, 53, 58
	Potassium hydrogendifluoride solution	8	UN3421	II	8, 6.1	IB2, N3, N34, T7, TP2	154	202	243	1 L	30 L	A	25, 40, 52, 53, 58
	Potassium hydrosulfite, see Potassium dithionite												
	<i>Potassium hydroxide, liquid</i> , see Potassium hydroxide solution												
	Potassium hydroxide, solid	8	UN1813	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
	Potassium hydroxide, solution	8	UN1814	II	8	B2, IB2, I7, TP2	154	202	242	1 L	30 L	A	52
	<i>Potassium hypochlorite, solution</i> , see Hypochlorite solutions, etc												
	Potassium, metal alloys, liquid	4.3	UN1420	I	4.3	A7, A19, A20, B27, W31	None	201	244	Forbidden	1 L	E	13, 40, 52, 148
	Potassium, metal alloys, solid	4.3	UN3403	I	4.3	A19, A20, B27, IB4, IP1, T9, TP7, TP33, W31	None	211	244	Forbidden	15 kg	D	13, 52, 148
	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, B120, 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

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Potassium permanganate	5.1	UN1490	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	D	56, 58, 138
Potassium peroxide	5.1	UN1491	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	C	13, 52, 66, 75, 148
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, W31	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148
<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, W31	None	201	244	Forbidden	1 L	E	13, 40, 52, 148
Potassium sodium alloys, solid	4.3	UN3404	I	4.3	A19, B27, N34, N40, T9, TP7, TP33, W31	None	211	244	Forbidden	15 kg	D	13, 52, 148
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, W31	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, W40	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	D	13, 52, 66, 75, 148
Powder cake, wetted or Powder paste, wetted with not less than 17 percent alcohol by mass	1.1C	UN0433	.....	1.1C	.....	None	62	None	Forbidden	Forbidden	04	25
Powder cake, wetted or Powder paste, wetted with not less than 25 percent water, by mass	1.3C	UN0159	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
Powder paste, see Powder cake, etc												
Powder, smokeless	1.1C	UN0160	.....	1.1C	.....	None	62	None	Forbidden	Forbidden	04	25, 26E
Powder, smokeless	1.3C	UN0161	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 26E
Powder, smokeless Power device, explosive, see Cartridges, power device	1.4C	UN0509	.....	1.4C	16	171	62	None	Forbidden	75 kg	02	25
Primers, cap type	1.4S	UN0044	.....	None	.....	None	62	None	25 kg	100 kg	01	25
Primers, cap type	1.1B	UN0377	.....	1.1B	.....	None	62	None	Forbidden	Forbidden	05	25
Primers, cap type Primers, small arms, see Primers, cap type	1.4B	UN0378	.....	1.4B	.....	None	62	None	Forbidden	75 kg	05	25
Primers, tubular	1.3G	UN0319	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
Primers, tubular	1.4G	UN0320	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25

§ 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)	Primers, tubular Printing ink, flammable or Printing ink related material (including printing ink thinning or reducing compound), flammable	1.4S	UN0376	None 367, T11, TP1, TP8	None	62	None	25 kg	100 kg	01	25
		3	UN1210	1	3		150	173	243	1 L	30 L	E	
		II	3	II	3		150	173	242	5 L	60 L	B	
	Projectiles, illuminating, see Ammu-nition, illuminating, etc Projectiles, inert with tracer Projectiles, inert, with tracer Projectiles, inert, with tracer Projectiles, with burster or expelling charge Projectiles, with burster or expelling charge Projectiles, with burster or expelling charge Projectiles, with burster or expelling charge Projectiles, with burster or expelling charge Projectiles, with bursting charge Projectiles, with bursting charge Projectiles, with bursting charge Projectiles, with bursting charge Projectiles, with bursting charge Propadiene, stabilized Propadiene mixed with methyl acet-ylene, see Methyl acetylene and propadiene mixtures, stabilized Propane, see also Petroleum gases, liquefied Propanethiols	1.4S	UN0345	1.4S 367, B1, IB3, T2, TP1, TP8	62	62	25 kg	100 kg	01	25
		1.3G	UN0424	.....	1.3G	.....		62	62	Forbiddn	Forbiddn	03
		1.4G	UN0425	.....	1.4G	.....		62	62	Forbiddn	Forbiddn	02
		1.2D	UN0346	.....	1.2D	.....		62	62	Forbiddn	Forbiddn	03
		1.4D	UN0347	.....	1.4D	.....		62	62	Forbiddn	75 kg	02
		1.2F	UN0426	.....	1.2F	.....		62	None	Forbiddn	Forbiddn	03
		1.4F	UN0427	.....	1.4F	.....		62	None	Forbiddn	Forbiddn	03
		1.2G	UN0434	.....	1.2G	.....		62	62	Forbiddn	Forbiddn	03
		1.4G	UN0435	.....	1.4G	.....		62	62	Forbiddn	75 kg	02
1.1F	UN0167	.....	1.1F	.....	62	None	Forbiddn	Forbiddn	03			
1.1D	UN0168	.....	1.1D	.....	62	62	Forbiddn	Forbiddn	03			
1.2D	UN0169	.....	1.2D	.....	62	62	Forbiddn	Forbiddn	03			
1.2F	UN0324	.....	1.2F	.....	62	None	Forbiddn	Forbiddn	03			
1.4D	UN0344	.....	1.4D	.....	62	62	Forbiddn	75 kg	02			
2.1	UN2200	.....	2.1	.....	None	304	314, 315	Forbiddn	150 kg	B	25, 40	
2.1	UN1978	.....	2.1	.....	19, T50, N95	304	314, 315	Forbiddn	150 kg	E	40	
3	UN2402	II	3	II	3	IB2, T4, TP1, TP13	150	202	5 L	E	95, 102		

n-Propanol or Propyl alcohol, normal	3	UN1274	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
Propellant, liquid	1.3C	UN0495	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	25
Propellant, liquid	1.1C	UN0497	.....	1.3C	37	None	62	None	Forbidden	Forbidden	04	25
Propellant, solid	1.1C	UN0498	.....	1.1C	37	None	62	None	Forbidden	Forbidden	04	25, 26E
Propellant, solid	1.3C	UN0499	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 26E
Propellant, solid	1.4C	UN0501	.....	1.4C	.....	None	62	None	Forbidden	75 kg	02	25
Propionaldehyde	3	UN1275	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	
Propionic acid with not less than 90% acid by mass	8	UN3463	II	8, 3	IB2, T7, TP2	154	202	243	1 L	30 L	A	53, 58
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	53, 58
Propionic anhydride	8	UN2496	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	53, 58
Propionitrile	3	UN2404	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	Forbidden	60 L	E	40
Propionyl chloride	3	UN1815	II	3, 8	IB1, T7, TP1	150	202	243	1 L	5 L	B	40, 53, 58
n-Propyl acetate	3	UN1276	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Propyl alcohol, see Propanol												
n-Propyl benzene	3	UN2364	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	21, 40, 53, 58, 100
n-Propyl chloroformate	6.1	UN2740	I	6.1, 3, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP36, 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, TP36, 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	IB2, N34, T7, TP1	150	202	243	1 L	5 L	E	40, 52
Propylene see also Petroleum gases, liquefied	2.1	UN1077	II	2.1	19, T50	306	304	314, 315	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, 25, 40
Propylene oxide	3	UN1280	I	3	N34, T11, TP2, TP7	None	201	243	1 L	30 L	E	40
Propylene tetramer	3	UN2850	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	40, 52
1,2-Propylenediamine	8	UN2258	II	8, 3	A3, A6, IB2, N34, T7, TP2	154	202	243	1 L	30 L	A	
Propyleneimine, stabilized	3	UN1921	I	3, 6.1	N34, T14, TP2, TP13	None	201	243	1 L	30 L	D	40
Propylthiolsilane	8	UN1816	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40, 53, 58
Prussic acid, see Hydrogen cyanide												

§ 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)							
G	Pyrethroid pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN3350	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40							
														150	243	1 L	60 L	B	40	
G	Pyrethroid pesticide, liquid toxic	6.1	UN3352	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40							
														153	243	5 L	60 L	B	40	
														153	241	60 L	220 L	A	40	
														None	243	1 L	30 L	B	40	
G	Pyrethroid pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3351	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40							
														153	243	5 L	60 L	B	40	
														153	241	60 L	220 L	A	40	
G	Pyrethroid pesticide, solid, toxic	6.1	UN3349	I	6.1, 3	IB3, T7, TP2, TP28	None	203	241	60 L	220 L	B	40							
														153	242	5 kg	50 kg	A	40	
														153	242	25 kg	100 kg	A	40	
														153	240	100 kg	200 kg	A	40	
														150	242	5 L	60 L	B	21, 100	
G	Pyridine <i>Pyridine perchlorate</i> Pyrophoric liquid, inorganic, n.o.s	Forbidden	UN1282	II	3	IB2, T4, TP2	None	202	242	Forbidden	Forbidden	D	13, 78, 148							
														UN3194	181	244	Forbidden	Forbidden	D	13, 78, 148
														UN2845	187	244	Forbidden	Forbidden	D	13, 78, 148
														UN1383	187	242	Forbidden	Forbidden	D	13, 148
														UN3200	187	242	Forbidden	Forbidden	D	13, 148
														UN2846	187	242	Forbidden	Forbidden	D	13, 148
														UN1817	154	242	1 L	30 L	C	40, 53, 58
														UN1922	150	243	1 L	5 L	B	40, 52
														UN2656	153	241	60 L	220 L	A	12, 25
														UN2656	153	241	60 L	220 L	A	12, 25

§ 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	
	Radioactive material, Type A pack-age, fissile <i>non-special form</i>	7	UN3327		7	A56, W7, W8	453	417	417				A	95, 105, 131
	Radioactive material, Type A pack-age <i>non-special form, non fissile or fissile-excepted</i>	7	UN2915	.....	7	325, A56, W7, W8	None	415, 418, 419	415, 418, 419				A	95, 130
	Radioactive material, Type A pack-age, special form <i>non fissile or fissile-excepted</i>	7	UN3332		7	A56, W7, W8		415, 476	415, 476				A	95
	Radioactive material, Type A pack-age, special form, fissile	7	UN3333		7	A56, W7, W8	453	417, 476	417, 476				A	95, 105
	Radioactive material, Type B(M) package, fissile	7	UN3329		7	A56	453	417	417				A	95, 105
	Radioactive material, Type B(M) package <i>non fissile or fissile-excepted</i>	7	UN2917	.....	7	325, A56		416	416				A	95, 105
	Radioactive material, Type B(U) package, fissile	7	UN3328		7	A56	453	417	417				A	95, 105
	Radioactive material, Type B(U) package <i>non fissile or fissile-excepted</i>	7	UN2916	.....	7	325, A56		416	416				A	95, 105
	Radioactive material, uranium hexafluoride <i>non fissile or fissile-excepted</i>	7	UN2978	.....	7, 6.1, 8		423	420, 427	420, 427				B	40, 74, 95, 132, 151, 153
	Radioactive material, uranium hexafluoride, fissile	7	UN2977	.....	7, 6.1, 8		453	417, 420	417, 420				B	40, 74, 95, 132, 151, 153
A W	Rags, oily Railway torpedo, see Signals, rail-way track, explosive RC 318, see Octafluorocyclobutane	4.2	UN1856	III	4.2		151	213	240	Forbidden	Forbidden		A	

1.1D	UN0391	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
2.1	UN2037	.....	2.1	.....	306	304	None	1 kg	15 kg	B	40, 157
2.2	UN2037	.....	2.2	.....	306	304	None	1 kg	15 kg	B	40, 157
2.2	UN2037	.....	2.2,	, A14	306	304	None	1 kg	15 kg	B	40, 157
			5.1								
2.2	UN3337		2.2	T50	306	304	314,	75 kg	150 kg	A	
2.2	UN3338		2.2	T50	306	304	315	75 kg	150 kg	A	
2.2	UN3339		2.2	T50	306	304	315	75 kg	150 kg	A	
2.2	UN3340		2.2	T50	306	304	315	75 kg	150 kg	A	
2.2	UN1078		2.2	T50	306	304	315	75 kg	150 kg	A	
2.1	NA1954		2.1	T50	306	304	315	Forbidden	150 kg	D	40
2.1	UN3358		2.1		306,	306	306	Forbidden	Forbidden	D	40
					307						

RDX and cyclotetramethylenetetraamin-
e, 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
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 refill-
able and not exceeding 1 L ca-
pacity
Receptacles, small, containing gas
or gas cartridges (non-flammable)
without release device, not refill-
able and not exceeding 1 L ca-
pacity
Receptacles, small, containing gas
or gas cartridges (oxidizing), with-
out release device, not refillable
and not exceeding 1 L capacity
Red phosphorus, see Phosphorus,
amorphous
Refrigerant gas R 404A
Refrigerant gas R 407A
Refrigerant gas R 407B
Refrigerant gas R 407C
Refrigerant gases, n.o.s.
Refrigerant gases, n.o.s. or Dis-
persant gases, n.o.s.
Refrigerating machines, containing
flammable, non-toxic, liquefied
gas

§ 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	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)
	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	.....	6.2	41, 337, A13	134	197	197	No limit	No limit	B	40
	Release devices, explosive Resin Solution, flammable	1.4S 3	UN0173 UN1866	I II	1.4S 3	B52, T11, TP1, TP8, TP28 149, B52, IB2, T4, TP1, TP8	None 150	62 201	62 243	25 kg 1 L	100 kg 30 L	01 E	25
	Resorcinol Rifle grenade, see Grenades, hand or rifle, etc Rifle powder, see Powder, smoke-less (UN 0160) Rivets, explosive Road asphalt or tar liquid, see Tars, liquid, etc	6.1	UN2876	III III	3 6.1	B1, B52, IB3, T2, TP1 IB8, IP3, T1, TP33	150 153	173 173 213	242 242 240	5 L 60 L 100 kg	60 L 220 L 200 kg	B A A	
	Rocket motors, liquid fueled	1.4S	UN0174	.....	1.4S	.....	None	62	62	25 kg	100 kg	01	25
	Rocket motors	1.3C	UN0186	.....	1.3C	109	None	62	62	Forbidden	220 kg	03	25
	Rocket motors	1.1C	UN0280	.....	1.1C	109	None	62	62	Forbidden	Forbidden	03	25
	Rocket motors	1.2C	UN0281	.....	1.2C	109	None	62	62	Forbidden	Forbidden	04	25
	Rocket motors	1.4C	UN0510	.....	1.4C	109	None	62	62	Forbidden	75 kg	02	25
	Rocket motors, liquid fueled	1.2J	UN0395	.....	1.2J	109	None	62	None	Forbidden	Forbidden	05	25
	Rocket motors, liquid fueled	1.3J	UN0396	.....	1.3J	109	None	62	None	Forbidden	Forbidden	05	23E 25E
	Rocket motors with hypergolic liquids with or without an expelling charge	1.3L	UN0250	.....	1.3L	109	None	62	None	Forbidden	Forbidden	05	25E 14E 15E
	Rocket motors with hypergolic liquids with or without an expelling charge	1.2L	UN0322	.....	1.2L	109	None	62	None	Forbidden	Forbidden	05	25E 14E 15E
	Rockets, line-throwing	1.2G	UN0238	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Rockets, line-throwing	1.3G	UN0240	.....	1.3G	.....	None	62	None	Forbidden	75 kg	03	25

Rockets, line-throwing	1.4G	UN0453	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
Rockets, liquid fueled with bursting charge	1.1J	UN0397	.....	1.1J	.....	None	62	None	Forbidden	Forbidden	05	25, 23E, 23E
Rockets, liquid fueled with bursting charge	1.2J	UN0398	.....	1.2J	.....	None	62	None	Forbidden	Forbidden	05	25, 23E, 23E
Rockets, with bursting charge	1.1F	UN0180	.....	1.1F	.....	None	62	None	Forbidden	Forbidden	03	25
Rockets, with bursting charge	1.1E	UN0181	.....	1.1E	.....	None	62	None	Forbidden	Forbidden	03	25
Rockets, with bursting charge	1.2E	UN0182	.....	1.2E	.....	None	62	None	Forbidden	Forbidden	03	25
Rockets, with bursting charge	1.2F	UN0295	.....	1.2F	.....	None	62	None	Forbidden	Forbidden	03	25
Rockets, with expelling charge	1.2C	UN0436	.....	1.2C	.....	None	62	None	Forbidden	Forbidden	03	25
Rockets, with expelling charge	1.3C	UN0437	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	03	25
Rockets, with expelling charge	1.4C	UN0438	.....	1.4C	.....	None	62	None	Forbidden	Forbidden	02	25
Rockets, with inert head	1.3C	UN0183	.....	1.4C	.....	None	62	None	Forbidden	75 kg	02	25
Rockets, with inert head	1.3C	UN0183	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	03	25
Rockets, with inert head	1.2C	UN0502	.....	1.2C	.....	None	62	None	Forbidden	Forbidden	03	25, 5E
Rosin oil	3	UN1286	.....	3	.....	None	242	242	5 L	60 L	B	
Rubber solution	3	UN1287	.....	3	.....	None	202	242	60 L	220 L	A	
Rubber scrap or shoddy, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	3	UN1287	.....	3	.....	None	202	242	5 L	60 L	B	
Rubber scrap or shoddy, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	4.1	UN1345	.....	4.1	.....	None	203	242	60 L	220 L	A	
Rubidium	4.3	UN1423	.....	4.3	.....	None	212	240	15 kg	15 kg	A	
Rubidium hydroxide	8	UN2678	.....	8	.....	None	211	242	Forbidden	Forbidden	D	13, 52, 148
Rubidium hydroxide solution	8	UN2677	.....	8	.....	None	212	240	15 kg	50 kg	A	29, 52
Safety devices, electrically initiated	9	UN3268	.....	9	.....	None	212	242	1 L	30 L	A	29, 52
Safety devices, pyrotechnic	1.4G	UN0503	.....	1.4G	.....	None	203	241	5 L	60 L	A	29, 52
Safety fuse, see Fuse, safety						None	166	166	25 kg	100 kg	A	
Samples, explosive, other than initiating explosives						None	62	None	Forbidden	75 kg	02	25
Sand acid, see Fluorosilicic acid						None	62	None	Forbidden	Forbidden	05	25
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	UN1386	.....	None	.....	None	213	241	Forbidden	Forbidden	A	13, 25
Seed cake with more than 1.5 percent oil and not more than 11 percent moisture	4.2	UN1386	.....	None	.....	None	213	241	Forbidden	Forbidden	E	13, 25
Seed cake with not more than 1.5 percent oil and not more than 11 percent moisture	4.2	UN2217	.....	None	.....	None	213	241	Forbidden	Forbidden	A	13, 25, 120
Selenates or Selenites	6.1	UN2630	.....	6.1	.....	None	211	242	5 kg	50 kg	E	53, 58
Selenic acid	8	UN1905	.....	8	.....	None	211	242	Forbidden	25 kg	A	
Selenium compound, liquid, n.o.s	6.1	UN3440	.....	6.1	.....	None	201	243	1 L	30 L	B	
						None	202	243	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)
G	Selenium compound, solid, n.o.s	6.1	UN3283	III	6.1	IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	153	203	241	60 L 5 kg	220 L 50 kg	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	None	211	242	5 kg	100 kg	B	
				III	6.1	IB8, IP3, T1, TP33	153	212	242	25 kg	100 kg	B	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	100 kg	A	
				II	6.1	IB8, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
					2.3, 8		None	302	None	Forbidden	Forbidden	D	40
				I	8, 6.1	A7, N34, T10, TP2, TP13	None	201	243	0.5 L	2.5 L	E	40, 53, 58
+ A	<i>Self-defense spray, aerosol, see Aerosols, etc</i>												
D	<i>Self-defense spray, non-pressurized</i>	9	NA3334	III	9	A37	155	203	None	No limit	No limit	A	
G	<i>Self-heating liquid, corrosive, inorganic, n.o.s</i>	4.2	UN3188	II	4.2, 8	IB2, W31	None	202	243	1 L	5 L	C	
G	<i>Self-heating liquid, corrosive, organic, n.o.s</i>	4.2	UN3185	III	4.2, 8	IB2, W31	None	203	241	5 L	60 L	C	
				II	4.2, 8	IB2, W31	None	202	243	1 L	5 L	C	
G	<i>Self-heating liquid, inorganic, n.o.s</i>	4.2	UN3186	III	4.2, 8	IB2, W31	None	203	241	5 L	60 L	C	
				II	4.2	IB2, W31	None	202	242	1 L	5 L	C	
G	<i>Self-heating liquid, organic, n.o.s</i>	4.2	UN3183	III	4.2	IB2, W31	None	203	241	5 L	60 L	C	
				III	4.2	IB2, W31	None	202	242	1 L	5 L	C	
G	<i>Self-heating liquid, toxic, inorganic, n.o.s</i>	4.2	UN3187	II	4.2, 6.1	IB2, W31	None	202	243	1 L	5 L	C	
				III	4.2, 6.1	IB2, W31	None	203	241	5 L	60 L	C	
G	<i>Self-heating liquid, toxic, organic, n.o.s</i>	4.2	UN3184	II	4.2, 6.1	IB2, W31	None	202	243	1 L	5 L	C	
				III	4.2, 6.1	IB2, W31	None	203	241	5 L	60 L	C	
G	<i>Self-heating solid, corrosive, inorganic, n.o.s.</i>	4.2	UN3192	II	4.2, 8	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
G	<i>Self-heating solid, corrosive, organic, n.o.s</i>	4.2	UN3126	III	4.2, 8	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	
				II	4.2, 8	IB5, IP2, T3, TP33	None	212	242	15 kg	50 kg	C	
G	<i>Self-heating solid, inorganic, n.o.s</i>	4.2	UN3190	III	4.2, 8	IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	C	.....
				II	4.2	IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	C	
				III	4.2	IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	C	

G	Self-heating solid, organic, n.o.s.	4.2	UN3088	II	4.2	IB6, IP2, T3, TP33, W31 B116, B130, IB8, IP3, T1, TP33, W31	None	212	241	15 kg	50 kg	C	
G	Self-heating solid, oxidizing, n.o.s.	4.2	UN3127	III	4.2		None	213	241	25 kg	100 kg	C	
G	Self-heating solid, toxic, inorganic, n.o.s.	4.2	UN3191	II	4.2, 5.1	IB5, IP2, T3, TP33	None	214	214	Forbiddn	Forbiddn	C	
G	Self-heating solid, toxic, organic, n.o.s.	4.2	UN3128	III	6.1	IB8, IP3, T1, TP33	None	213	242	15 kg	50 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	4.1	UN3221	.....	4.1		53	224	None	Forbiddn	Forbiddn	D	25, 52, 53, 127
G	Self-reactive liquid type B	4.1	UN3231	.....	4.1		53	224	None	Forbiddn	Forbiddn	D	2, 25, 52, 53
G	Self-reactive liquid type B, temperature controlled	4.1	UN3223	.....	4.1			224	None	5 L	10 L	D	25, 52, 53
G	Self-reactive liquid type C, temperature controlled	4.1	UN3233	.....	4.1			224	None	Forbiddn	Forbiddn	D	2, 25, 52, 53
G	Self-reactive liquid type D	4.1	UN3225	.....	4.1			224	None	5 L	10 L	D	25, 52, 53
G	Self-reactive liquid type D, temperature controlled	4.1	UN3235	.....	4.1			224	None	Forbiddn	Forbiddn	D	2, 25, 52, 53
G	Self-reactive liquid type E	4.1	UN3227	.....	4.1			224	None	10 L	25 L	D	25, 52, 53
G	Self-reactive liquid type E, temperature controlled	4.1	UN3237	.....	4.1			224	None	Forbiddn	Forbiddn	D	2, 25, 52, 53
G	Self-reactive liquid type F	4.1	UN3229	.....	4.1			224	None	10 L	25 L	D	25, 52, 53
G	Self-reactive liquid type F, temperature controlled	4.1	UN3239	.....	4.1			224	None	Forbiddn	Forbiddn	D	2, 25, 52, 53
G	Self-reactive solid type B	4.1	UN3222	.....	4.1		53	224	None	Forbiddn	Forbiddn	D	25, 52, 53, 127
G	Self-reactive solid type B, temperature controlled	4.1	UN3232	.....	4.1		53	224	None	Forbiddn	Forbiddn	D	2, 25, 52, 53
G	Self-reactive solid type C	4.1	UN3224	.....	4.1			224	None	5 kg	10 kg	D	25, 52, 53
G	Self-reactive solid type C, temperature controlled	4.1	UN3234	.....	4.1			224	None	Forbiddn	Forbiddn	D	2, 25, 52, 53
G	Self-reactive solid type D	4.1	UN3226	.....	4.1			224	None	5 kg	10 kg	D	25, 52, 53
G	Self-reactive solid type D, temperature controlled	4.1	UN3236	.....	4.1			224	None	Forbiddn	Forbiddn	D	2, 25, 52, 53
G	Self-reactive solid type E	4.1	UN3228	.....	4.1			224	None	10 kg	25 kg	D	25, 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)	Other (10B)	Loca-tion (10A)	
G	Self-reactive solid type E, tempera-ture controlled	4.1	UN3238	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type F	4.1	UN3230	.....	4.1	.....	151	224	None	10 kg	25 kg	D	25, 52, 53
G	Self-reactive solid type F, tempera-ture controlled	4.1	UN3240	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
	Shale oil	3	UN1288	I II III	3	T11, TP1, TP8, TP27 IB2, T4, TP1, TP8 B1, IB3, T2, TP1	None	201 202 203	243 242 242	1 L 5 L 60 L	30 L 60 L 220 L	B B A		
	<i>Shaped charges, see Charges, shaped, etc</i>													
	Signal devices, hand	1.4G	UN0191	.....	1.4G	381	None	62	None	Forbidden	75 kg	02	25
	Signal devices, hand	1.4S	UN0373	.....	1.4S	381	None	62	None	25 kg	100 kg	01	25
	Signals, distress, <i>ship</i>	1.1G	UN0194	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, distress, <i>ship</i>	1.3G	UN0195	.....	1.3G	.....	None	62	None	Forbidden	75 kg	03	25
	Signals, distress, <i>ship</i>	1.4G	UN0505	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Signals, <i>highway, see Signal de-vices, hand</i>	1.4S	UN0506	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
	Signals, railway track, explosive	1.1G	UN0192	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, railway track, explosive	1.4S	UN0193	.....	1.4S	381	None	62	None	25 kg	100 kg	01	25
	Signals, railway track, explosive	1.3G	UN0492	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, railway track, explosive	1.4G	UN0493	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	<i>Signals, ship distress, water-acti-vated, see Contrivances, water-activated, etc</i>													
	Signals, smoke	1.1G	UN0196	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.4G	UN0197	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Signals, smoke	1.2G	UN0313	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.3G	UN0487	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Signals, smoke	1.4S	UN0507	.....	1.4S	.....	None	62	None	25 kg	100 kg	01	25
	Silane	2.1	UN2203	.....	2.1	.....	None	302	None	Forbidden	Forbidden	E	40, 57, 104
	<i>Silicofluoric acid, see Fluorosilicic acid</i>													
	<i>Silicon chloride, see Silicon tetra-chloride</i>													
	Silicon powder, amorphous	4.1	UN1346	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	74	

Silicon tetrachloride	8	UN1818	II	8	A3, B2, B6, T10, TP2, TP7, TP13	None	202	242	Forbidden	30 L	C	40, 53, 58
Silicon tetrafluoride	2.3	UN1859	.....	2.3, 8		None	302	None	Forbidden	Forbidden	D	40
Silicon tetrafluoride, adsorbed	2.3	UN3521	.....	2.3, 8		None	302c	None	Forbidden	Forbidden	D	40
Silver acetylacetonate (dry)	6.1	UN1683	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Silver arsenite	Forbidden											
Silver azide (dry)	Forbidden											
Silver chlorite (dry)	6.1	UN1684	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40, 52
Silver cyanide	Forbidden											
Silver fulminate (dry)	5.1	UN1493	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	
Silver nitrate	Forbidden											
Silver oxalate (dry)	Forbidden											
Silver picrate (dry)	4.1	UN1347	I	4.1	23, W31	None	211	None	Forbidden	Forbidden	D	28, 36
Silver picrate, wetted with not less than 30 percent water, by mass	4.1	UN1347	I	4.1	23, W31	None	211	None	Forbidden	Forbidden	D	28, 36
Sludge, acid	8	UN1906	II	8	A3, A7, B2, IB2, N34, T8, TP2, TP28	154	202	242	Forbidden	30 L	C	14, 53, 58
Smokeless powder for small arms (100 pounds or less)	4.1	NA3178	I	4.1	16	None	171	None	Forbidden	7.3 kg	A	
Soda lime with more than 4 percent sodium hydroxide	8	UN1907	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
Sodium	4.3	UN1428	I	4.3	A7, A8, A19, A20, B9, B48, B68, IB4, IP1, N34, T9, TP7, TP33, TP46, TP33, W31, W40	151	211	244	Forbidden	15 kg	D	13, 52, 148
Sodium aluminate, solid	8	UN2812	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
Sodium aluminate, solution	8	UN1819	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52
Sodium aluminum hydride	4.3	UN2835	II	4.3	IB3, T4, TP1	154	203	241	5 L	60 L	A	52
Sodium ammonium vanadate	6.1	UN2863	II	6.1	A8, A19, A20, IB4, T3, TP33, W31, W40	151	212	242	Forbidden	50 kg	E	13, 52, 148
Sodium arsenite	6.1	UN2473	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Sodium arsenate	6.1	UN1685	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Sodium arsenite, aqueous solutions	6.1	UN1686	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Sodium arsenite, solid	6.1	UN2027	II	6.1	IB3, T4, TP2	153	203	241	60 L	220 L	A	
Sodium azide	6.1	UN1687	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	36, 52, 91
Sodium bifluoride, see Sodium hydrogendifluoride												
Sodium bisulfite, solution, see Bisulfites, aqueous solutions, n.o.s.												
Sodium borohydride	4.3	UN1426	I	4.3	N40, W31	None	211	242	Forbidden	15 kg	E	13, 52, 148

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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	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 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
						B120, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13, 25, 75
	Sodium chlorate	5.1	UN1495	III	5.1	B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 25, 75
	Sodium chlorate, aqueous solution	5.1	UN2428	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
						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	152	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	40, 52
	Sodium cuprocyanide, solution	6.1	UN2317	I	6.1	T14, TP2, TP13	None	201	243	1 L	30 L	B	52
	Sodium cyanide, solid	6.1	UN1689	I	6.1	B69, B77, IB7, N74, N75, T6, TP33, W31	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, W31	None	201	243	1 L	30 L	B	52
						B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27, W31	153	202	243	5 L	60 L	B	52
						B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28, W31	153	203	241	60 L	220 L	A	52

	1.3C	UN234	.....	1.3C																	
Sodium dichloroisocyanurate or Sodium dichloro-s-triazinetriene, see Dichloroisocyanuric acid etc																					
Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass	4.1	UN3369	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	None	0.5 kg	E	0.5 kg	E	28, 36							
Sodium dinitro-o-cresolate, wetted with not less than 10% water, by mass	4.1	UN1348	I	4.1, 6.1	23, A8, A19, A20, N41, W31	None	211	None	None	1 kg	E	1 kg	E	28, 36							
Sodium dithionite or Sodium hydro-sulfite	4.2	UN1384	II	4.2	A19, A20, IB6, IP2, T3, TP33, W31	None	212	None	15 kg	15 kg	E	15 kg	E	13							
Sodium fluoride, solid	6.1	UN1690	III	6.1	IB8, IP3, T1, TP33	153	213	153	100 kg	200 kg	A	100 kg	A	52							
Sodium fluoride solution	6.1	UN3415	III	6.1	IB3, T4, TP1	153	203	153	60 L	220 L	A	60 L	A	52							
Sodium fluoroacetate	6.1	UN2629	I	6.1	IB7, IP1, T6, TP33	None	211	None	5 kg	50 kg	E	5 kg	E								
Sodium fluorosilicate	6.1	UN2674	III	6.1	IB8, IP3, T1, TP33	153	213	153	100 kg	200 kg	A	100 kg	A	52							
Sodium hydrate, see Sodium hydroxide, solid																					
Sodium hydride	4.3	UN1427	I	4.3	A19, N40, W31	None	211	None	Forbidden	15 kg	E	Forbidden	E	13, 52, 148							
Sodium hydrogendifluoride	8	UN2439	II	8	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	154	15 kg	50 kg	A	15 kg	A	12, 25, 40, 52, 53, 58							
Sodium hydrosulfide, with less than 25 percent water of crystallization	4.2	UN2318	II	4.2	A7, A19, A20, IB6, IP2, T3, TP33, W31	None	212	None	15 kg	50 kg	A	15 kg	A	52							
Sodium hydrosulfide with not less than 25 percent water of crystallization	8	UN2949	II	8	A7, IB8, IP2, IP4, T7, TP2	154	212	154	15 kg	50 kg	A	15 kg	A	52							
Sodium hydrosulfite, see Sodium dithionite																					
Sodium hydroxide, solid	8	UN1823	II	8	IB8, IP2, IP4, T3, TP33	154	212	154	15 kg	50 kg	A	15 kg	A	52							
Sodium hydroxide solution	8	UN1824	III	8	B2, IB2, N34, T7, TP2, IB3, N34, T4, TP1	154	202	154	1 L	30 L	A	1 L	A	52							
Sodium hypochlorite, solution, see Hypochlorite solutions etc																					
Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.																					
Sodium methylate	4.2	UN1431	II	4.2, 8	A7, A19, IB5, IP2, T3, TP33, W31	None	212	None	15 kg	50 kg	B	15 kg	B	52							
Sodium methylete solutions in alcohol	3	UN1289	II	3, 8	IB2, T7, TP1, TP8	150	202	150	1 L	5 L	B	1 L	B	52							
Sodium monoxide	8	UN1825	III	3, 8	B1, IB3, T4, TP1	150	203	150	5 L	60 L	A	5 L	A	52							
Sodium nitrate	5.1	UN1498	III	5.1	IB8, IP2, IP4, T3, TP33, A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	152	15 kg	50 kg	A	15 kg	A	52							
Sodium nitrate and potassium nitrate mixtures	5.1	UN1499	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	152	25 kg	100 kg	A	25 kg	A	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)
	Sodium nitrite	5.1	UN1500	III	5.1, 6.1	A1, A29, IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	56, 58	
	Sodium pentachlorophenate	6.1	UN2567	II	6.1	IB8, IP2, IP4, T3, TP33	212	242	25 kg	100 kg	A	13, 25, 75	
	Sodium perborate monohydrate	5.1	UN3377	III	5.1	B120, IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	56, 58, 138	
	Sodium perchlorate	5.1	UN1502	II	5.1	IB6, IP2, T3, TP33	212	242	5 kg	25 kg	A	13, 25, 75	
	Sodium permanganate	5.1	UN1503	II	5.1	IB6, IP2, T3, TP33	212	242	5 kg	25 kg	D	56, 58, 138	
	Sodium peroxide	5.1	UN1504	I	5.1	A20, IB5, IP1, N34	211	None	Forbidden	15 kg	C	13, 32, 66, 75, 148	
	Sodium peroxoborate, anhydrous	5.1	UN3247	II	5.1	IB8, IP2, IP4, T3, TP33	212	240	5 kg	25 kg	A	13, 25, 58, 145	
	Sodium persulfate	5.1	UN1505	III	5.1	A1, IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	13, 40, 52, 85, 148	
	Sodium phosphide	4.3	UN1432	I	4.3, 6.1	A19, N40, W31	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148	
	Sodium picramate, dry or wetted with less than 20 percent water, by mass	1.3C	UN0235	.....	1.3C	.....	62	None	Forbidden	Forbidden	04	25, 5E
	Sodium picramate, wetted with not less than 20 percent water, by mass	4.1	UN1949	I	4.1	23, A8, A19, N41, W31	211	None	Forbidden	15 kg	E	28, 36	
	Sodium picryl peroxide	Forbidden											
	Sodium potassium alloys, see Potassium sodium alloys												
	Sodium selenate, see Selenates or Selenites												
	Sodium sulfide, anhydrous or Sodium sulfide with less than 30 percent water of crystallization	4.2	UN1385	II	4.2	A19, A20, IB6, IP2, N34, T3, TP33, W31, W40	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	212	240	15 kg	50 kg	A	52	
	Sodium superoxide	5.1	UN2547	I	5.1	A20, IB6, IP1, N34	211	None	Forbidden	15 kg	D	13, 52, 66, 75, 148	
G	Sodium tetranitride Solids containing corrosive liquid, n.o.s.	Forbidden 8	UN3244	II	8	49, IB5, T3, TP33	212	240	15 kg	50 kg	B	40	

G	Description	UN3175	II	4.1	47, IB6, IP2, T3, TP33	151	212	240	15 kg		50 kg		B	40, 25, 25, 25
									Forbiddén	25 kg	Forbiddén	100 kg		
G	Solids containing flammable liquid, n.o.s.	UN3175	II	4.1	47, IB6, IP2, T3, TP33	151	212	240	Forbiddén	Forbiddén	Forbiddén	B	40	
G	Solids containing toxic liquid, n.o.s.	UN3243	II	6.1	48, IB2, T2, TP33	153	212	240	Forbiddén	Forbiddén	Forbiddén	B	25	
	Sounding devices, explosive	UN0204	.....	1.2F	.....	None	62	62	Forbiddén	Forbiddén	Forbiddén	03	25
	Sounding devices, explosive	UN0296	.....	1.1F	.....	None	62	62	Forbiddén	Forbiddén	Forbiddén	03	25
	Sounding devices, explosive	UN0374	.....	1.1D	.....	None	62	62	Forbiddén	Forbiddén	Forbiddén	03	25
	Sounding devices, explosive	UN0375	.....	1.2D	.....	None	62	62	Forbiddén	Forbiddén	Forbiddén	03	25
	<i>Spirits of salt</i> , see Hydrochloric acid													
	<i>Squibs</i> , see Igniters, etc													
	Stannic chloride, anhydrous	UN1827	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	30 L	C	53, 58	
	Stannic chloride pentahydrate	UN2440	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	100 kg	A	53, 58	
	Stannic phosphide	UN1433	I	4.3, 6.1	A19, N40, W31	None	211	242	Forbiddén	15 kg	15 kg	E	13, 40, 52, 85, 148	
	<i>Steel swarf</i> , see Ferrous metal borings, etc													
	Stibine	UN2676		2.3, 2.1	1	None	304	None	Forbiddén	Forbiddén	Forbiddén	D	40	
	<i>Storage batteries, wet</i> , see Batteries, wet etc													
	Strontium arsenite	UN1691	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	100 kg	A	56, 58	
	Strontium chlorate	UN1506	II	5.1	A1, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	25 kg	A	56, 58	
	Strontium nitrate	UN1507	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	100 kg	A	56, 58	
	Strontium perchlorate	UN1508	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	25 kg	A	13, 52, 66, 75, 148	
	Strontium peroxide	UN1509	II	5.1	IB6, IP2, T3, TP33, W100	152	212	242	5 kg	25 kg	25 kg	C	13, 40, 52, 85, 148	
	Strontium phosphide	UN2013	I	4.3, 6.1	A19, N40, W31	None	211	None	Forbiddén	15 kg	15 kg	E	13, 40, 52, 85, 148	
	Strychnine or Strychnine salts	UN1692	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	50 kg	A	40	
	Strychnic acid, see Trinitroresorcinol, etc													
G	Styrene monomer, stabilized	UN2055	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	220 L	C	25	
	Substances, explosive, n.o.s.	UN0357	.....	1.1L	101	None	62	None	Forbiddén	Forbiddén	Forbiddén	05	25, 14E, 15E
G	Substances, explosive, n.o.s.	UN0358	.....	1.2L	101	None	62	None	Forbiddén	Forbiddén	Forbiddén	05	25, 14E, 15E
G	Substances, explosive, n.o.s.	UN0359	.....	1.3L	101	None	62	None	Forbiddén	Forbiddén	Forbiddén	05	25, 14E, 15E
G	Substances, explosive, n.o.s.	UN0473	.....	1.1A	101, 111	None	62	None	Forbiddén	Forbiddén	Forbiddén	05	25
G	Substances, explosive, n.o.s.	UN0474	.....	1.1C	101	None	62	None	Forbiddén	Forbiddén	Forbiddén	04	25
G	Substances, explosive, n.o.s.	UN0475	.....	1.1D	101	None	62	None	Forbiddén	Forbiddén	Forbiddén	04	25
G	Substances, explosive, n.o.s.	UN0476	.....	1.1G	101	None	62	None	Forbiddén	Forbiddén	Forbiddén	03	25
G	Substances, explosive, n.o.s.	UN0477	.....	1.1C	101	None	62	None	Forbiddén	Forbiddén	Forbiddén	03	25

§ 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, n.o.s.	1.3G	UN0478	.....	1.3G	101	None	62	None	Forbidden	Forbidden	03	25
G	Substances, explosive, n.o.s.	1.4C	UN0479	.....	1.4C	101	None	62	None	Forbidden	75 kg	02	25
G	Substances, explosive, n.o.s.	1.4D	UN0480	.....	1.4D	101	None	62	None	Forbidden	75 kg	02	25
G	Substances, explosive, n.o.s.	1.4S	UN0481	.....	1.4S	101, 347	None	62	None	25 kg	75 kg	01	25
G	Substances, explosive, n.o.s.	1.4G	UN0485	.....	1.4G	101	None	62	None	Forbidden	75 kg	02	25
G	Substances, explosive, very insen-sitive, n.o.s. or Substances, EVI, n.o.s.	1.5D	UN0482	.....	1.5D	101	None	62	None	Forbidden	Forbidden	03	25
	Substituted nitrophenol pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2780	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	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	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Substituted nitrophenol pesticides, solid, toxic	6.1	UN2779	I	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Sucrose octanitrate (dry)	Forbidden											
D	Sulfamic acid	8	UN2967	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	53, 58
I	Sulfur	9	NA1350	III	9	30, B120, IB8, IP2	None	240	240	No Limit	No Limit	A	25, 74
	Sulfur and chlorate, loose mixtures of	4.1	UN1350	III	4.1	30, B120, IB8, IP3, T1, TP33	151	None	240	25 kg	100 kg	A	25, 74
	Sulfur chlorides	8	UN1828	I	8	5, A7, A10, B10, B77, N34, T20, TP2	None	201	243	Forbidden	2.5 L	C	40, 53, 58

§ 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	Tear gas devices with more than 2 percent tear gas substances, by mass	6.1	NA1693	I	6.1	(7)	None	340	None	Forbidden	Forbidden	D	40
	<i>Tear gas devices, with not more than 2 percent tear gas substances, by mass, see Aerosols, etc</i>			II	6.1		None	340	None	Forbidden	Forbidden	D	40
G	Tear gas grenades, see Tear gas candles	6.1	UN1693	I	6.1	W31	None	201	None	Forbidden	Forbidden	D	40
	Tear gas substances, liquid, n.o.s	6.1	UN3448	I	6.1	IB2, W31	None	202	None	Forbidden	5 L	D	40
	Tear gas substance, solid, n.o.s	6.1	UN3448	II	6.1	T6, TP33, W31	None	211	242	Forbidden	Forbidden	D	40
	Tellurium compound, n.o.s	6.1	UN3284	II	6.1	IB8, IP2, IP4, T3, TP33, W31	None	212	242	Forbidden	25 kg	D	40
	Tellurium hexafluoride	2.3	UN2195	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
	Terpene hydrocarbons, n.o.s.	3	UN2319	II	6.1	IB8, IP2, IP4, T3, TP33	None	212	242	25 kg	100 kg	B	
	Terpinolene	3	UN2541	III	2,3,8	IB8, IP3, T1, TP33	None	213	240	100 kg	200 kg	A	
	Tetraazido benzene quinone	Forbidden	UN2541	III	3	B1, IB3, T4, TP1, TP29	150	203	242	Forbidden	220 L	D	40
	Tetraabromoethane	6.1	UN2504	III	6.1	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	1,1,2,2-Tetrachloroethane	6.1	UN1702	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Tetrachloroethylene	6.1	UN1897	III	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A	40
	Tetraethyl dithiopyrophosphate	6.1	UN1704	II	6.1	IB3, N36, T4, TP1	153	203	241	60 L	220 L	A	40
	Tetraethyl silicate	3	UN1292	III	3	IB2, T7, TP2	153	212	242	25 kg	100 kg	D	40
	Tetraethylammonium perchlorate (dry)	Forbidden	UN1292	III	3	B1, IB3, T2, TP1	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	.....	2.2	T50	306	304	314,	75 kg	150 kg	A	
	Tetrafluoroethylene, stabilized	2.1	UN1081	.....	2.1	.....	306	304	None	Forbidden	150 kg	E	25, 40
	Tetrafluoroethane or Refrigerant gas R 14	2.2	UN1982	.....	2.2	.....	306	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	150	202	242	5 L	60 L	B	
	Tetrahydrofurfurylamine	3	UN2943	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

	8	UN2698	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	53, 58
Tetrahydrophthalic anhydrides with more than 0.05 percent of maleic anhydride	3	UN2410	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
1,2,3,6-Tetrahydropyridine	3	UN2412	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Tetrahydrothiophene	8	UN3423	II	8	B2, IB8, IP2, IP4, T3, TP33	154	213	240	15 kg	50 kg	A	52
Tetramethylammonium hydroxide, solid	8	UN1835	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52
Tetramethylammonium hydroxide solution	Forbiddn		III	8	B2, IB3, T7, TP2	154	203	241	5 L	60 L	A	52
Tetramethylene diperoxide dicarbamide	3	UN2749	I	3	A7, T14, TP2	None	201	243	Forbiddn	30 L	D	
Tetramethylsilane	Forbiddn		.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Tetranitro diglycerin	1.1D	UN0207	I	6.1	2, B32, T20, TP2, TP13, TP38, TP44	None	227	None	Forbiddn	Forbiddn	D	40, 6
Tetranitroaniline	6.1	UN1510	I	5.1								
Tetranitromethane	Forbiddn											
2,3,4,6-Tetranitrophenol	Forbiddn											
2,3,4,6-Tetranitrophenyl methyl nitramine	Forbiddn											
2,3,4,6-Tetranitrophenyl nitramine	Forbiddn											
Tetranitrosocinnol (dry)	Forbiddn											
2,3,5,6-Tetranitroso-1,4-dinitrobenzene	Forbiddn											
2,3,5,6-Tetranitroso nitrobenzene (dry)	3	UN2413	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
Tetrapropylthiofluanate	3											
Tetrazene, see Guanyl nitrosaminoguanyltetrazene												
Tetrazine (dry)	Forbiddn											
Tetrazol-1-acetic acid	1.4C	UN0407	.....	1.4C	.....	None	62	None	Forbiddn	75 kg	02	25
1H-Tetrazole	1.1D	UN0504	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25, 5E
Tetrazolyl azide (dry)	Forbiddn											
Tetryl, see Trinitrophenylmethylnitramine												
Textile waste, wet	4.2	UN1857	III	4.2		151	213	240	Forbiddn	Forbiddn	A	56, 58
Thallium chloride	5.1	UN2573	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	
Thallium compounds, n.o.s	6.1	UN1707	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Thallium nitrate	6.1	UN2727	II	6.1, 5.1	IB6, IP2, T3, TP33	153	212	242	5 kg	25 kg	A	
4-Thiapental	6.1	UN2785	III	6.1	IB3, T4, TP1, W31	153	203	241	60 L	220 L	D	25, 49
Thioacetic acid	3	UN2436	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Thiocarbamate pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2772	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbiddn	30 L	B	40
Thiocarbamate pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3005	I	3, 6.1, 6.1, 3	IB2, T11, TP13, TP27, T14, TP2, TP13	150	202	243	1 L	60 L	B	40
						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)
	Thiocarbamate pesticide, liquid, toxic	6.1	UN3006	I	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Thiocarbamate pesticides, solid, toxic	6.1	UN2771	I	6.1, 3	IB3, T7, TP2, TP28, TP14, TP2, TP13	153	203	242	60 L	220 L	A	40
	Thiocarbamate pesticides, solid, toxic	6.1	UN2771	I	6.1	IB7, IP1, T6, TP33	None	201	243	1 L	30 L	B	40
	Thiocarbonylchloride, Thioposgene	6.1	UN2771	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Thiophosgene	6.1	UN2771	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	Thiophosgene	6.1	UN2771	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
	Thiophosgene	6.1	UN2771	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Thiophosgene	6.1	UN2771	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	Thiophosgene	6.1	UN2771	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	53, 58
	Thiophosgene	6.1	UN2771	II	8	A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	53, 58
	Thiophosgene	6.1	UN2771	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	40, 53, 58
	Thiophosgene	6.1	UN2771	I	8	B6, B10, N34, T10, TP2, TP13	None	201	243	Forbidden	Forbidden	C	40, 53, 58
	Thiophosgene	6.1	UN2771	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40, 52
	Thiophosgene	6.1	UN2771	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	154	202	242	Forbidden	30 L	C	40, 53, 58
	Thiourea dioxide	4.2	UN3341	II	4.2	IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	D	40, 53, 58
	Thiourea dioxide	4.2	UN3341	III	4.2	IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	D	40, 53, 58
	Tin chloride, fuming, see Stannic chloride, anhydrous	3	UN1293	II	3	IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	40, 53, 58
	Tin perchloride or Tin tetrachloride, see Stannic chloride, anhydrous	3	UN1293	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40, 53, 58
	Tinctures, medicinal												
	Tinning flux, see Zinc chloride												
	Tires and tire assemblies, see Air, compressed or Nitrogen, com-pressed												

Titanium disulphide	4.2	UN3174	III	4.2	IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	A	
Titanium hydride	4.1	UN1871	II	4.1	A19, A20, IB4, N34, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	E	
Titanium powder, dry	4.2	UN2546	I	4.2	A19, A20, IB6, IP2, N5, N34, T3, TP33, W31	None	211	242	Forbidden	Forbidden	D	13, 148
			II	4.2	B135, IB8, IP21, T1, TP33, W31	None	212	241	15 kg	50 kg	D	13, 148
			III	4.2		None	213	241	25 kg	100 kg	D	13, 148
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, W31, W40	151	212	240	15 kg	50 kg	E	74
Titanium sponge granules or Titanium sponge powders	4.1	UN2878	III	4.1	A1, B134, IB8, IP21, T1, TP33, W100	151	213	240	25 kg	100 kg	D	13, 74, 147, 148
Titanium tetrachloride	6.1	UN1838	I	6.1, 8	2, B7, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 53, 58
Titanium trichloride mixtures	8	UN2869	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	40, 53, 58
			III	8	A7, IB8, IP3, N34, T1, TP33	154	213	240	25 kg	100 kg	A	40, 53, 58
Titanium trichloride, pyrophoric or Titanium trichloride mixtures, TNT mixed with aluminum, see Tritonal	4.2	UN2441	I	4.2, 8	N34, W31	None	181	244	Forbidden	Forbidden	D	13, 40, 148
Toluene	3	UN1294	II	3		150	202	242	5 L	60 L	B	
Toluene dithiocyanate	6.1	UN2078	II	6.1	IB2, T4, TP1	153	202	243	5 L	60 L	D	25, 40
Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc					IB2, T7, TP2, TP13							
Toluidines, liquid	6.1	UN1708	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Toluidines, solid	6.1	UN3451	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
2,4-Toluylenediamine, solid or 2,4-Toluenediamine, solid	6.1	UN1709	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
2,4-Toluylenediamine solution or 2,4-Toluenediamine solution	6.1	UN3418	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Torpedoes, liquid fueled, with inert head	1.3J	UN0450	.....	1.3J	.....	.....	62	None	Forbidden	Forbidden	05	25, 23E
Torpedoes, liquid fueled, with or without bursting charge	1.1J	UN0449	.....	1.1J	.....	.....	62	None	Forbidden	Forbidden	05	25, 23E
Torpedoes with bursting charge	1.1E	UN0329	.....	1.1E	.....	.....	62	62	Forbidden	Forbidden	03	25
Torpedoes with bursting charge	1.1F	UN0330	.....	1.1F	.....	.....	62	None	Forbidden	Forbidden	03	25
Torpedoes with bursting charge	1.1D	UN0451	.....	1.1D	.....	.....	62	62	Forbidden	Forbidden	03	25

§ 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 by inhalation liquid, flammable, corrosive, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3488	I	6.1, 3, 8	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40, 125
G	Toxic by inhalation liquid, flammable, corrosive, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3489	I	6.1, 3, 8	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 125
G	Toxic by inhalation liquid, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3381	I	6.1	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 LC50 lower than or equal to 1000 ml/m ³ 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 LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3383	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, flammable, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3384	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40

G	Toxic by inhalation liquid, water-re- active, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3385	I	6.1, 4.3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	13, 40, 148
G	Toxic by inhalation liquid, water-re- active, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3386	I	6.1, 4.3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	D	13, 40, 148
G	Toxic by inhalation liquid, water-re- active, flammable, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor con- centration greater than or equal to 500 LC50	6.1	UN3490	I	6.1, 4.3, 3	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	13, 21, 40, 49, 148
G	Toxic by inhalation liquid, water-re- active, flammable, n.o.s. with an LC50 lower or equal to 1000 ml/ m ³ and saturated vapor con- centration greater than or equal to 10 LC50	6.1	UN3491	I	6.1, 4.3, 3	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	13, 21, 28, 40, 49, 148
G	Toxic by inhalation liquid, oxidizing, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3387	I	6.1, 5.1	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, oxidizing, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and satu- rated vapor concentration greater than or equal to 10 LC50	6.1	UN3388	I	6.1, 5.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, corrosive, n.o.s. with an LC50 lower than or equal to 200 ml/m ³ and saturated vapor concentration greater than or equal to 500 LC50	6.1	UN3389	I	6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP27, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
G	Toxic by inhalation liquid, corrosive, n.o.s. with an LC50 lower than or equal to 1000 ml/m ³ and satu- rated vapor concentration greater than or equal to 10 LC50	6.1	UN3390	I	6.1, 8	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
G	Toxic liquid, corrosive, inorganic, n.o.s.	6.1	UN3289	I	6.1, 8	T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L	A	40
G	Toxic liquid, inorganic, n.o.s.	6.1	UN3287	II I II III	6.1, 8 6.1 6.1 6.1	IB2, T11, TP2, TP27 T14, TP2, TP13, TP27 IB2, T11, TP2, TP27 IB3, T7, TP1, TP28	153 None 153 153	202 201 202 203	243 243 243 241	1 L 1 L 5 L 60 L	30 L 30 L 60 L 220 L	A A A A	40 40 40 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, corrosive, organic, n.o.s.	6.1	UN2927	I	6.1, 8	T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L	B	40
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	II	6.1, 8 6.1, 3	IB2, T11, TP2, TP27 T14, TP2, TP13, TP27	153 None	202 201	243 243	1 L 1 L	30 L 30 L	B B	40 40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
G	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	III	6.1 6.1	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 40
G	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	I	6.1, 4.3 6.1, 4.3	IB3, T7, TP1, TP28 A4	153 None	203 201	241 243	60 L Forbidden	220 L 2.5 L	A C	40
G	Toxic solid, corrosive, inorganic, n.o.s.	6.1	UN3290	II	6.1, 8	IB2	153	202	243	1 L	5 L	C	
G	Toxic solid, flammable, inorganic, n.o.s.	6.1	UN3535	II	6.1, 4.1 6.1, 4.1	IB6, IP2, T3, TP33 IB6, T6, TP33	153 None	212 211	242 242	Forbidden 1 L	1 L 5 L	E E	13, 40, 148 13, 40, 148
G	Toxic solid, inorganic, n.o.s.	6.1	UN3288	I	6.1, 8	IB7, T6, TP33	None	211	242	1 kg	25 kg	A	40
G	Toxic solids, corrosive, organic, n.o.s.	6.1	UN2928	III	6.1, 8 6.1, 8	IB6, IP2, T3, TP33 IB8, IP3, T1, TP33	153 153	212 213	242 240	15 kg 1 kg	50 kg 15 kg	A B	40 40
G	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	II	6.1, 4.1 6.1, 4.1	IB6, IP2, T3, TP33 IB6, T6, TP33	153 None	212 211	242 242	15 kg 1 kg	50 kg 15 kg	B B	40
G	Toxic solids, organic, n.o.s.	6.1	UN2811	II	6.1, 4.1 6.1	IB8, IP2, IP4, T3, TP33 IB7, T6, TP33	153 None	212 211	242 242	15 kg 5 kg	50 kg 100 kg	B B	40

G	Toxic solids, oxidizing, n.o.s.	6.1	UN3086	III	6.1, 6.1, 5.1, 6.1, 5.1, 6.1, 4.2, 4.2, 4.3	IB8, IP3, T1, TP33 T6, TP33	153	213	240	100 kg	200 kg	A	40
G	Toxic solids, self-heating, n.o.s.	6.1	UN3124	II	6.1, 5.1, 6.1, 4.2	IB6, IP2, T3, TP33	153	212	242	15 kg	50 kg	C	40
G	Toxic solids, water-reactive, n.o.s.	6.1	UN3125	II	6.1, 4.2, 4.2	A5, T6, TP33	None	211	242	15 kg	50 kg	D	40
G	Toxins, extracted from living sources, liquid, n.o.s.	6.1	UN3172	I	6.1, 4.3	IB6, IP2, T3, TP33	None	211	242	5 kg	15 kg	D	13, 40, 148, 40
G	Toxins, extracted from living sources, solid, n.o.s.	6.1	UN3462	I	6.1	A5, T6, TP33, W100	None	211	242	5 kg	15 kg	D	13, 40, 148, 40
D	Toy Caps Tracers for ammunition Tracers for ammunition Tractors, see Vehicle, etc Tri-(<i>o</i> -nitroxyethyl) ammonium <i>nitrate</i>	1.4S 1.3G 1.4G	NA0337 UN0212 UN0306	III	1.4S 1.3G 1.4G	141, IB2 141, IB3 141, IB7, IP1, T6, TP33	153 153 None	202 203 211	243 241 243	1 L 5 L 60 L 5 kg	30 L 60 L 220 L 50 kg	B B B B	40 40 40
D	Triallyl borate Triethylamine Triazine pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	6.1 3 3	UN2609 UN2610 UN2764	III III I	6.1 3, 8 3, 6.1	141, IB8, IP2, IP4, T3 TP33 141, IB8, IP3, T1 TP33 382	153 150 None	203 203 201	241 242 243	60 L 5 L Forbidden	220 L 60 L 30 L	A A B	13 40, 52 40
D	Triazine pesticides, liquid, toxic	6.1	UN2998	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
D	Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2997	III	6.1, 3	T14, TP2, TP13, TP27	None	203	241	60 L	220 L	A	40
D	Triazine pesticides, solid, toxic	6.1	UN2763	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
D	Tributylamine	6.1	UN2542	II	6.1	IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
D	Tributylphosphane	4.2	UN3254	I	4.2	IB7, IP1, T6, TP33 IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 IB2, T7, TP2 T21, TP7, TP33	None None 153 153 None	211 212 213 202 211	242 242 240 243 242	5 kg 25 kg 100 kg 100 kg 5 L	50 kg 100 kg 200 kg 60 L	A A A A A	40 40 40 40 136

§ 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)
	<i>Trichloro-s-triazinetriene dry, with more than 39 percent available chlorine, see Trichloroisocyanuric acid, dry</i>	8	UN1839	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	53, 58
	Trichloroacetic acid	8	UN2564	II	8	A3, A7, B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	B	53, 58
	Trichloroacetic acid, solution	.....		III	8	A3, A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	B	8, 53, 58
+	Trichloroacetyl chloride	8	UN2442	II	8, 6.1	2, B9, B14, B32, N34, T20, TP2, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 53, 58
	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	II	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
	Trichloroisocyanuric acid, dry	5.1	UN2468	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	13
	<i>Trichloromethyl perchlorate</i>	Forbidden											
	Trichlorosilane	4.3	UN1295	I	4.3, 3, 8	N34, T14, TP2, TP7, TP13, W31	None	201	244	Forbidden	Forbidden	D	21, 40, 49, 53, 58, 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	
	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	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	B	12, 25, 40, 53, 58
	Trifluoroacetic acid	8	UN2699	I	8	A7, B4, N3, N34, N36, T10, TP2	None	201	243	0.5 L	2.5 L	B	
	Trifluoroacetyl chloride	2.3	UN3057		2.3, 8	2, B7, B9, B14, T50, TP21	None	304	314, 315	Forbidden	Forbidden	D	40
	Trifluorochloroethylene, stabilized or Refrigerant gas R 1113	2.3	UN1082	.....	2.3, 2.1	3, 3B7, B14, T50	None	304	314, 315	Forbidden	Forbidden	D	25, 40
	Trifluoromethane or Refrigerant gas R 23	2.2	UN1984		2.2		306	304	314, 315	75 kg	150 kg	A	
	Trifluoromethane, refrigerated liquid	2.2	UN3136		2.2	T75, TP5	306	None	314, 315	50 kg	500 kg	D	

1,1,1-Trifluoroethane or Refrigerant gas, R 143a	2.1	UN2035	2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
2-Trifluoromethylaniline	6.1	UN2942	III	IB3	153	203	241	60 L	220 L	A	40
3-Trifluoromethylaniline	6.1	UN2948	II	IB2, T7, TP2	153	202	243	5 L	60 L	A	40
Trifluoromethane	Forbidden										
Trisobutylene	3	UN2324	III	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	
Triisopropyl borate	3	UN2616	III	IB2, T4, TP1	150	202	242	5 L	60 L	A	
	3	UN2616	III	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Trimethoxysilane	6.1	NA9269	I	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	E	40
Trimethyl borate	3	UN2416	II	IB2, T7, TP1	150	202	242	5 L	60 L	B	21, 25, 40, 53,
Trimethyl phosphite	3	UN2329	III	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	58, 100
1,3,5-Trimethyl-2,4,6-trinitrobenzene	Forbidden										
Trimethylacetyl chloride	6.1	UN2438	I	2, B3, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 25, 40, 53, 58, 100
Trimethylamine, anhydrous	2.1	UN1083	.....	N87, T50	306	304	314, 315	Forbidden	150 kg	B	40, 52
Trimethylamine, aqueous solutions with not more than 50 percent trimethylamine by mass	3	UN1297	I	T11, TP1	None	201	243	0.5 L	2.5 L	D	40, 52, 135
1,3,5-Trimethylbenzene	3	UN2325	III	B1, IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 41, 52
Trimethylchlorosilane	3	UN1298	II	B1, IB3, T7, TP1	150	203	242	5 L	60 L	A	40, 41, 52
Trimethylcyclohexylamine	8	UN2326	III	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
Trimethylene glycol dipchlorate	3	UN1298	II	A3, A7, B77, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	E	40, 53, 58
Trimethylhexamethylene disocyanate	8	UN2326	III	IB3, T4, TP1	154	203	241	5 L	60 L	A	52
Trimethylol nitromethane trinitrate	6.1	UN2328	III	IB3, T4, TP2, TP13	153	203	241	60 L	220 L	B	
Trinitro-m-cresol	1.1D	UN0216	.....		None	62	None	Forbidden	Forbidden	04	25, 5E
2,4,6-Trinitro-1,3-diazobenzene (dry)	Forbidden										
Trinitroacetic acid	Forbidden										
Trinitroacetone	Forbidden										
Trinitroacetone	Forbidden										
Trinitroamine cobalt	1.1D	UN0153	.....		None	62	None	Forbidden	Forbidden	04	25
Trinitroaniline or Picramide	1.1D	UN0213	.....		None	62	None	Forbidden	Forbidden	04	25
Trinitroanisole	1.1D	UN0214	.....		None	62	None	Forbidden	Forbidden	04	25
Trinitrobenzene, dry or wetted with less than 30 percent water, by mass	4.1	UN3367	I	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
Trinitrobenzene, wetted, with not less than 10% water, by mass											

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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)
	Trinitrobenzene, wetted with not less than 30 percent water, by mass	4.1	UN1354	I	4.1	23, A2, A8, A19, N41, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Trinitrobenzenesulfonic acid	1.1D	UN0386	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Trinitrobenzoic acid, dry or wetted with less than 30 percent water, by mass	1.1D	UN0215	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Trinitrobenzoic acid, wetted with not less than 10% water by mass	4.1	UN3368	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Trinitrobenzoic acid, wetted with not less than 30 percent water, by mass	4.1	UN1355	I	4.1	23, A2, A8, A19, N41, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Trinitrochlorobenzene or Picryl chloride	1.1D	UN0155	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Trinitrochlorobenzene (picryl chloride), wetted, with not less than 10% water by mass	4.1	UN3365	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Trinitroethanol	Forbidden											
	Trinitroethylnitrate	Forbidden											
	Trinitrofluorenone	1.1D	UN0387	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Trinitromethane	Forbidden											
	1,3,5-Trinitronaphthalene	Forbidden											
	Trinitronaphthalene	1.1D	UN0217	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Trinitrophenetole	1.1D	UN0218	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Trinitrophenol (picric acid), wetted, with not less than 10 percent water by mass	4.1	UN3364	I	4.1	23, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Trinitrophenol or Picric acid, dry or wetted with less than 30 percent water, by mass	1.1D	UN0154	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Trinitrophenol, wetted with not less than 30 percent water, by mass	4.1	UN1344	I	4.1	162, A8, A19, N41, W31	None	211	None	1 kg	15 kg	E	28, 36
	2,4,6-Trinitrophenyl guanidine (dry)	Forbidden											
	2,4,6-Trinitrophenyl nitramine	Forbidden											
	2,4,6-Trinitrophenyl trimethylol methyl nitramine trinitrate (dry)	Forbidden											
	Trinitrophenylmethylnitramine or Tetryl	1.1D	UN0208	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25

Tritroresorcinol or Styphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass	1.1D	UN0219	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25, 5E
Tritroresorcinol, wetted or Styphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water by mass	1.1D	UN0394	.....	1.1D	385	None	62	None	Forbiddn	Forbiddn	04	25, 5E
2,4,6-Trinitroso-3-methyl nitraminoanisole	Forbiddn											
Tritrotetramine cobalt nitrate mixtures or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures or Tritrotoluene and hexanitrostilbene mixtures	1.1D	UN0388	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Tritrotoluene mixtures containing Hexanitrostilbene or TNT mixtures containing trinitrobenzene and hexanitrostilbene	1.1D	UN0389	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Tritrotoluene or TNT, dry or wetted with less than 30 percent water, by mass	1.1D	UN0209	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Tritrotoluene (TNT), wetted, with not less than 10 percent water by mass	4.1	UN3366	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
Tritrotoluene, wetted or TNT, wetted, with not less than 30 percent water by mass	4.1	UN1356	I	4.1	23, A2, A8, A19, N41, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
Tripropylamine	3	UN2260	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40, 52
Tripropylene	3	UN2057	III	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
			III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
Tris-(1-aziridinyl)phosphine oxide, solution	6.1	UN2501	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
Tris, bis-bifluoroamino diethoxy propane (TYOPA)	Forbiddn		III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Tritonal	1.1D	UN0390	.....	1.1D	.....	None	62	None	Forbiddn	Forbiddn	04	25
Tungsten hexafluoride	2.3	UN2196	.....	2.3, 8	2, N86	None	338	None	Forbiddn	Forbiddn	D	40
Turpentine	3	UN1289	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
Turpentine substitute	3	UN1300	I	3	T11, TP1, TP8, TP27	None	201	243	1 L	30 L	B	
			III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
			III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Undecane	3	UN2330	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

§ 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	Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg per package, non-fissile or fissile-excepted Urea hydrogen peroxide	6.1	UN3507	I	6.1, 7, 8	369	420	None	None	Less than .1 kg	Less than .1 kg	A	132, 152
	Urea nitrate, dry or wetted with less than 20 percent water, by mass	5.1	UN1511	III	5.1, 8	A1, A7, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13
	Urea nitrate, wetted, with not less than 10 percent water by mass	1.1D	UN0220	.....	1.1D	119	None	62	None	Forbidden	Forbidden	04	25
	Urea nitrate, wetted with not less than 20 percent water, by mass	4.1	UN3370	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36
	Urea peroxide, see Urea hydrogen peroxide	4.1	UN1357	I	4.1	23, 39, A8, A19, N41, W31	None	211	None	1 kg	15 kg	E	28, 36
	Valeraldehyde	3	UN2058	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Valeric acid, see Corrosive liquids, n.o.s.	8	UN2502	II	8, 3	A3, A7, B2, IB2, N34, T7, TP2	154	202	243	1 L	30 L	C	40, 53, 58
	Vanadium compound, n.o.s	6.1	UN3285	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	
	Vanadium oxytrichloride	8	UN2443	II	6.1	IB8, IP2, T3, TP33	153	212	242	25 kg	100 kg	B	
	Vanadium pentoxide, non-fused form	6.1	UN2862	III	8	A3, A7, B2, IB2, IB2, 154, N34, T7, TP2	154	202	242	Forbidden	30 L	C	40, 53, 58
	Vanadium tetrachloride	8	UN2444	I	8	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
	Vanadium trichloride	8	UN2475	III	8	A7, B4, N34, T10, TP2	None	201	243	Forbidden	2.5 L	C	40, 53, 58
	Vanadyl sulfate	6.1	UN2931	II	6.1	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40, 53, 58
Vehicle, flammable gas powered, or powered	9	UN3166	.....	9	IB8, IP2, IP4, T3, TP33, 135, A200	220	220	242	Forbidden	100 kg	A		
Vehicle, flammable liquid powered or liquid powered	9	UN3166	.....	9	135, A200	220	220	220	No limit	No limit	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)	
G	Water-reactive solid, corrosive, n.o.s.	4.3	UN3131	II	4.3, 6.1	IB1	151	202	243	1 L	5 L	E	13, 85, 148	
							151	203	242	5 L	60 L	E	13, 85, 148	
G	Water-reactive solid, corrosive, n.o.s.	4.3	UN3131	I	4.3, 6.1	IB4, IP1, N40, T9, TP7, TP33, W31	None	211	242	Forbidden	15 kg	15 kg	D	13, 148
							151	212	242	15 kg	50 kg	E	13, 85, 148	
							151	213	241	25 kg	100 kg	E	13, 85, 148	
							151	213	241	25 kg	100 kg	E	13, 85, 148	
G	Water-reactive solid, flammable, n.o.s.	4.3	UN3132	I	4.3, 4.1	IB4, N40, W31	None	211	242	Forbidden	15 kg	15 kg	D	13, 148
							151	212	242	15 kg	50 kg	E	13, 85, 148	
							151	213	241	25 kg	100 kg	E	13, 85, 148	
							151	213	241	25 kg	100 kg	E	13, 85, 148	
G	Water-reactive solid, n.o.s.	4.3	UN2813	I	4.3, 4.1	IB4, N40, T9, TP7, TP33, W31	None	211	242	Forbidden	15 kg	15 kg	E	13, 40, 148
							151	212	242	15 kg	50 kg	E	13, 40, 148	
							151	213	241	25 kg	100 kg	E	13, 40, 148	
							151	213	241	25 kg	100 kg	E	13, 40, 148	
G	Water-reactive, solid, oxidizing, n.o.s.	4.3	UN3133	II	4.3, 5.1	B132, IB7, IP2, IP21, T3, TP33, W31, W40	151	214	214	Forbidden	Forbidden	Forbidden	E	13, 40, 148
							151	214	214	Forbidden	Forbidden	Forbidden	E	13, 40, 148
							151	214	214	Forbidden	Forbidden	Forbidden	E	13, 40, 148
							151	214	214	Forbidden	Forbidden	Forbidden	E	13, 40, 148
G	Water-reactive solid, self-heating, n.o.s.	4.3	UN3135	I	4.3, 5.1	N40, W31	None	211	242	Forbidden	15 kg	15 kg	D	13, 148
							None	212	242	15 kg	50 kg	E	13, 85, 148	
							None	213	241	25 kg	100 kg	E	13, 85, 148	
							None	213	241	25 kg	100 kg	E	13, 85, 148	
G	Water-reactive solid, toxic, n.o.s.	4.3	UN3134	I	4.3, 6.1	A8, IB4, IP1, N40, W31	None	211	242	Forbidden	15 kg	15 kg	D	13, 148
							151	212	242	15 kg	50 kg	E	13, 85, 148	
							151	213	241	25 kg	100 kg	E	13, 85, 148	
							151	213	241	25 kg	100 kg	E	13, 85, 148	

§ 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)
	Zinc peroxide	5.1	UN1516	II	5.1	IB6, IP2, T3, TP33, W100	152	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148
	Zinc phosphide	4.3	UN1714	I	4.3, 6.1	A19, N40, W31	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148
	Zinc powder or Zinc dust	4.3	UN1436	I	4.3, 4.2	A19, IB4, IP1, N40, W31	None	211	242	Forbidden	15 kg	A	13, 52, 53, 148
	Zinc resinate			II	4.3, 4.2	A19, IB7, IP2, T3, TP33, W31, W40	None	212	242	15 kg	50 kg	A	13, 52, 53, 148
	Zinc selenate, see Selenates or Selenites	4.1	UN2714	III	4.1	A1, IB6, T1, TP33	151	213	240	25 kg	100 kg	A	13, 52, 53, 148
	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, W100	151	213	240	25 kg	100 kg	A	13, 147, 148
	Zirconium, dry, finished sheets, strip or coiled wire	4.2	UN2009	III	4.2	A1, A19, W31	None	213	240	25 kg	100 kg	D	13, 148
	Zirconium hydride	4.1	UN1437	II	4.1	A19, A20, IB4, N34, T3, TP33, W31, W40	151	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	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Zirconium picramate, wetted with not less than 20 percent water, by mass	4.1	UN1517	I	4.1	23, N41, W31	None	211	None	1 kg	15 kg	D	28, 36
	Zirconium powder, dry	4.2	UN2008	I	4.2	T21, TP7, TP33, W31	None	211	242	Forbidden	Forbidden	D	13, 148
				II	4.2	A19, A20, IB6, IP2, N5, N34, T3, TP33, W31	None	212	241	15 kg	50 kg	D	13, 148

Zirconium powder, wetted with not less than 25 percent water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1	UN1358	III	4.2	B135, IB8, IP4, T1, TP33, W31	None	213	241	25 kg	100 kg	D	13, 148	
	Zirconium scrap	4.2	UN1932	III	4.2	B135, IB8, IP21, N34, T1, TP33, W31	None	213	240	Forbidden	Forbidden	D	13, 148
		3	UN1308	I	3	None	201	243	Forbidden	Forbidden	B	
		Zirconium suspended in a liquid	8	UN2503	II	3	IB2	150	202	242	5 L	60 L	B
III	3				B1, IB2	150	203	242	60 L	220 L	B		
Zirconium tetrachloride	8	UN2503	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	53, 58	

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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 <i>⚄</i>	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 <i>⚄</i>	1 (0.454)
Arsenic acid H ₃ AsO ₄	1 (0.454)
Arsenic disulfide	1 (0.454)
Arsenic oxide As ₂ O ₃	1 (0.454)
Arsenic oxide As ₂ O 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 <i>⚄⚄</i>	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-(1a α ,8 β ,8a α ,8b α)]-	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[<i>j</i>]aceanthrylene, 1,2-dihydro-3-methyl-	10 (4.54)
Benz[<i>c</i>]acridine	100 (45.4)
Benzal chloride	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-	5000 (2270)
Benz[<i>a</i>]anthracene	10 (4.54)
1,2-Benzanthracene	10 (4.54)
Benz[<i>a</i>]anthracene, 7,12-dimethyl-	1 (0.454)
Benzenamine	5000 (2270)
Benzenamine, 4,4'-carbonimidoylbis (N,N dimethyl-	100 (45.4)
Benzenamine, 4-chloro-	1000 (454)
Benzenamine, 4-chloro-2-methyl-, hydrochloride	100 (45.4)
Benzenamine, N,N-dimethyl-4-(phenylazo)-	10 (4.54)
Benzenamine, 2-methyl-	100 (45.4)
Benzenamine, 4-methyl-	100 (45.4)
Benzenamine, 4,4'-methylenebis[2-chloro-	10 (4.54)
Benzenamine, 2-methyl-, hydrochloride	100 (45.4)
Benzenamine, 2-methyl-5-nitro-	100 (45.4)
Benzenamine, 4-nitro-	5000 (2270)
Benzene	10 (4.54)
Benzenoacetic acid, 4-chloro- α -(4-chlorophenyl)- α -hydroxy-, ethyl ester	10 (4.54)
Benzene, 1-bromo-4-phenoxy-	100 (45.4)
Benzenobutanoic acid, 4-[bis(2-chloroethyl)amino]-	10 (4.54)
Benzene, chloro-	100 (45.4)
Benzene, (chloromethyl)-	100 (45.4)
Benzenediamine, ar-methyl-	10 (4.54)
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	100 (45.4)
1,2-Benzenedicarboxylic acid, dibutyl ester	10 (4.54)
1,2-Benzenedicarboxylic acid, diethyl ester	1000 (454)
1,2-Benzenedicarboxylic acid, dimethyl ester	5000 (2270)
1,2-Benzenedicarboxylic acid, dioctyl ester	5000 (2270)

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Benzene, 1,2-dichloro-	100 (45.4)
Benzene, 1,3-dichloro-	100 (45.4)
Benzene, 1,4-dichloro-	100 (45.4)
Benzene, 1,1'-(2,2-dichloroethylidene) bis[4-chloro-	1 (0.454)
Benzene, (dichloromethyl)-	5000 (2270)
Benzene, 1,3-diisocyanatomethyl-	100 (45.4)
Benzene, dimethyl-	100 (45.4)
1,3-Benzenediol	5000 (2270)
1,2-Benzenediol,4-[1-hydroxy-2-(methylamino) ethyl]-	1000 (454)
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 ϵ	10 (4.54)
Beryllium chloride	1 (0.454)
Beryllium fluoride	1 (0.454)
Beryllium nitrate	1 (0.454)
Beryllium powder ϵ	10 (4.54)
alpha-BHC	10 (4.54)
beta-BHC	1 (0.454)
delta-BHC	1 (0.454)
gamma-BHC	1 (0.454)
2,2'-Bioxirane	10 (4.54)
Biphenyl	100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dichloro-	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy-	100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl-	10 (4.54)
Bis(2-chloroethoxy) methane	1000 (454)
Bis(2-chloroethyl) ether	10 (4.54)
Bis(chloromethyl) ether	10 (4.54)
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) ₂	10 (4.54)
Calcium dodecylbenzenesulfonate	1000 (454)
Calcium hypochlorite	10 (4.54)
Captan	10 (4.54)
Carbamic acid, 1H-benzimidazol-2-yl, methyl ester	10 (4.54)
Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester	10 (4.54)
Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-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 ₂ CrO ₄ , calcium salt	10 (4.54)
Chromic sulfate	1000 (454)
Chromium ϵ	5000 (2270)
Chromous chloride	1000 (454)
Chrysene	100 (45.4)
Cobaltous bromide	1000 (454)
Cobaltous formate	1000 (454)
Cobaltous sulfamate	1000 (454)
Coke Oven Emissions	1 (0.454)
Copper ϵ	5000 (2270)
Copper chloride ϵ	10 (4.54)
Copper cyanide Cu(CN)	10 (4.54)
Coumaphos	10 (4.54)
Creosote	1 (0.454)
Cresol (cresylic acid)	100 (45.4)
m-Cresol	100 (45.4)
o-Cresol	100 (45.4)
p-Cresol	100 (45.4)
Cresols (isomers and mixture)	100 (45.4)
Cresylic acid (isomers and mixture)	100 (45.4)
Crotonaldehyde	100 (45.4)
Cumene	5000 (2270)
m-Cumenyl methylcarbamate	10 (4.54)
Cupric acetate	100 (45.4)
Cupric acetoarsenite	1 (0.454)
Cupric chloride	10 (4.54)
Cupric nitrate	100 (45.4)
Cupric oxalate	100 (45.4)
Cupric sulfate	10 (4.54)
Cupric sulfate, ammoniated	100 (45.4)
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 α , 2 α , 3 β -, 4 α , 5 α , 6 β)	1 (0.454)
Cyclohexanone	5000 (2270)
2-Cyclohexyl-4,6-dinitrophenol	100 (45.4)
1,3-Cyclopentadiene, 1,2,3,4,5-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-, (1aalpha, 2beta, 2aalpha, 3beta, 6beta, 6aalpha, 7beta, 7aalpha)-	1 (0.454)
2,7:3,6-Dimethanonaphth[2, 3-b]oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)-, & metabolites	1 (0.454)
Dimethoate	10 (4.54)
3,3'-Dimethoxybenzidine	100 (45.4)
Dimethylamine	1000 (454)
Dimethyl aminoazobenzene	10 (4.54)
p-Dimethylaminoazobenzene	10 (4.54)
N,N-Dimethylaniline	100 (45.4)
7,12-Dimethylbenz[a]anthracene	1 (0.454)
3,3'-Dimethylbenzidine	10 (4.54)
alpha, alpha-Dimethylbenzylhydroperoxide	10 (4.54)
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)
Ethylenebisdithiocarbamic acid, salts & esters	5000 (2270)
Ethylenediamine	5000 (2270)
Ethylenediamine-tetraacetic acid (EDTA)	5000 (2270)
Ethylene dibromide	1 (0.454)
Ethylene dichloride	100 (45.4)
Ethylene glycol	5000 (2270)
Ethylene glycol monoethyl ether	1000 (454)
Ethylene oxide	10 (4.54)
Ethylenethiourea	10 (4.54)
Ethylenimine	1 (0.454)
Ethyl ether	100 (45.4)
Ethylidene dichloride	1000 (454)
Ethyl methacrylate	1000 (454)
Ethyl methanesulfonate	1 (0.454)
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)
Kepone	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)
Methapyriene	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 ₂	10 (4.54)
Nitroglycerine	10 (4.54)
Nitrophenol (mixed)	100 (45.4)
m-Nitrophenol.	
o-Nitrophenol	100 (45.4)
p-Nitrophenol	100 (45.4)
2-Nitrophenol	100 (45.4)
4-Nitrophenol	100 (45.4)
2-Nitropropane	10 (4.54)
N-Nitrosodi-n-butylamine	10 (4.54)
N-Nitrosodiethanolamine	1 (0.454)
N-Nitrosodiethylamine	1 (0.454)
N-Nitrosodimethylamine	10 (4.54)
N-Nitrosodiphenylamine	100 (45.4)
N-Nitroso-N-ethylurea	1 (0.454)
N-Nitroso-N-methylurea	1 (0.454)
N-Nitroso-N-methylurethane	1 (0.454)
N-Nitrosomethylvinylamine	10 (4.54)
N-Nitrosomorpholine	1 (0.454)
N-Nitrosopiperidine	10 (4.54)
N-Nitrosopyrrolidine	1 (0.454)
Nitrotoluene	1000 (454)
m-Nitrotoluene.	
o-Nitrotoluene.	
p-Nitrotoluene.	
5-Nitro-o-toluidine	100 (45.4)
Octamethylpyrophosphoramidate	100 (45.4)
Osmium oxide OsO ₄ , (T-4)	1000 (454)
Osmium tetroxide	1000 (454)
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	1000 (454)
Oxamyl	100 (45.4)
1,2-Oxathiolane, 2,2-dioxide	10 (4.54)
2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl) tetrahydro-, 2-oxide	10 (4.54)
Oxirane	10 (4.54)
Oxiranecarboxaldehyde	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 [®]	100 (45.4)
Phenylmercury acetate	100 (45.4)
Phenylthiourea	100 (45.4)
Phorate	10 (4.54)
Phosgene	10 (4.54)
Phosphine	100 (45.4)
Phosphoric acid	5000 (2270)
Phosphoric acid, diethyl 4-nitrophenyl ester	100 (45.4)
Phosphoric acid, lead(2 +) salt (2:3)	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester	1 (0.454)
Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-methyl ester	5000 (2270)
Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester	10 (4.54)
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®	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 e	1000 (454)
Thallium (I) acetate	100 (45.4)
Thallium (I) carbonate	100 (45.4)
Thallium chloride TlCl	100 (45.4)
Thallium (I) nitrate	100 (45.4)
Thallium oxide Tl ₂ O ₃	100 (45.4)
Thallium (I) selenite	1000 (454)
Thallium (I) sulfate	100 (45.4)
Thioacetamide	10 (4.54)
Thiodicarb	100 (45.4)
Thiodiphosphoric acid, tetraethyl ester	100 (45.4)
Thiofanox	100 (45.4)
Thioimidodicarbonic diamide [(H ₂ N)C(S)] ₂ NH	100 (45.4)
Thiomethanol	100 (45.4)
Thioperoxydicarbonic diamide [(H ₂ N)C(S)] ₂ S ₂ , tetramethyl-	10 (4.54)
Thiophanate-methyl	10 (4.54)
Thiophenol	100 (45.4)
Thiosemicarbazide	100 (45.4)
Thiourea	10 (4.54)
Thiourea, (2-chlorophenyl)-	100 (45.4)
Thiourea, 1-naphthalenyl-	100 (45.4)
Thiourea, phenyl-	100 (45.4)
Thiram	10 (4.54)
Tirpate	100 (45.4)
Titanium tetrachloride	1000 (454)
Toluene	1000 (454)
Toluenediamine	10 (4.54)
2,4-Toluene diamine	10 (4.54)
Toluene diisocyanate	100 (45.4)
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)
Uracyl mustard	10 (4.54)
Uranyl acetate	100 (45.4)
Uranyl nitrate	100 (45.4)
Urea, N-ethyl-N-nitroso-	1 (0.454)
Urea, N-methyl-N-nitroso-	1 (0.454)
Urethane	100 (45.4)
Vanadic acid, ammonium salt	1000 (454)
Vanadium oxide V ₂ O ₅	1000 (454)
Vanadium pentoxide	1000 (454)
Vanadyl sulfate	1000 (454)
Vinyl acetate	5000 (2270)
Vinyl acetate monomer	5000 (2270)
Vinylamine, N-methyl-N-nitroso-	10 (4.54)
Vinyl bromide	100 (45.4)
Vinyl chloride	1 (0.454)
Vinylidene chloride	100 (45.4)
Warfarin, & salts	100 (45.4)
Xylene	100 (45.4)
m-Xylene	1000 (454)
o-Xylene	1000 (454)
p-Xylene	100 (45.4)
Xylene (mixed)	100 (45.4)
Xylenes (isomers and mixture)	100 (45.4)
Xylenol	1000 (454)
Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl) oxy]-, methyl ester (3beta,16beta,17alpha,18beta, 20alpha)	5000 (2270)
Zinc ϵ	1000 (454)
Zinc acetate	1000 (454)
Zinc ammonium chloride	1000 (454)
Zinc, bis(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) ₂	10 (4.54)
Zinc fluoride	1000 (454)
Zinc formate	1000 (454)
Zinc hydrosulfite	1000 (454)
Zinc nitrate	1000 (454)
Zinc phenolsulfonate	5000 (2270)
Zinc phosphide Zn ₃ P ₂	100 (45.4)
Zinc silicofluoride	5000 (2270)
Zinc sulfate	1000 (454)
Ziram	10 (4.54)
Zirconium nitrate	5000 (2270)
Zirconium potassium fluoride	1000 (454)
Zirconium sulfate	5000 (2270)
Zirconium tetrachloride	5000 (2270)
F001	10 (4.54)
(a) Tetrachloroethylene	100 (45.4)
(b) Trichloroethylene	100 (45.4)
(c) Methylene chloride	1000 (454)
(d) 1,1,1-Trichloroethane	1000 (454)
(e) Carbon tetrachloride	10 (4.54)
(f) Chlorinated fluorocarbons	5000 (2270)
F002	10 (4.54)
(a) Tetrachloroethylene	100 (45.4)
(b) Methylene chloride	1000 (454)
(c) Trichloroethylene	100 (45.4)
(d) 1,1,1-Trichloroethane	1000 (454)
(e) Chlorobenzene	100 (45.4)
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane	5000 (2270)
(g) o-Dichlorobenzene	100 (45.4)
(h) Trichlorofluoromethane	5000 (2270)
(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 (3.7)
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)

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)

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)

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)

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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)

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
	Acroleic acid, stabilized
	Acrolein, inhibited
	Acrolein, stabilized
	Acrylic acid, 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)

LIST OF MARINE POLLUTANTS—Continued		LIST OF MARINE POLLUTANTS—Continued	
S.M.P. (1)	Marine pollutant (2)	S.M.P. (1)	Marine pollutant (2)
	Allyl alcohol		Calcium hypochlorite, hydrated, corrosive <i>with not less than 5.5% but not more than 16% water</i>
	Allyl bromide		Calcium hypochlorite, hydrated mixture <i>with not less than 5.5% but not more than 16% water</i>
	ortho-Aminoanisole		Calcium hypochlorite, hydrated mixture, corrosive <i>with not less than 5.5% but not more than 16% water</i>
	Aminobenzene		Campechlor
	Aminocarb		Carbaryl
	Ammonia, anhydrous (l)		Carbendazim
	Ammonia solution, <i>relative density less than 0.880 at 15 degrees C in water, with more than 50 percent ammonia</i>	PP	Carbofuran
	Ammonia solution <i>relative density less than 0.880 at 15 degrees C in water, with more than 35% but not more than 50% ammonia</i>		Carbon tetrabromide
	Ammonia solution, <i>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, by mass</i>	PP	Carbon tetrachloride
	Ammonium dinitro-o-cresolate		Carbophenothion
	n-Amylbenzene	PP	Cartap hydrochloride
	Aniline	PP	Chlordane
	Aniline oil		Chlorfenvinphos
PP	Azinphos-ethyl		Chlorinated paraffins (C-10 - C-13)
PP	Azinphos-methyl		Chlorinated paraffins (C14–C17), with more than 1% shorter chain length
	Barium cyanide		Chlorine
	Bendiocarb		Chlorine cyanide, inhibited
	Benomyl		Chlormephos
	Benquinox		Chloroacetone, stabilized
	Benzyl chlorocarbonate		1-Chloro-2,3-Epoxypropane
	Benzyl chloroformate		2-Chloro-6-nitrotoluene
PP	Binapacryl		4-Chloro-2-nitrotoluene
	<i>N,N-Bis (2-hydroxyethyl) oleamide (LOA)</i>		Chloro-ortho-nitrotoluene
	Bleaching powder		2-Chloro-5-trifluoromethylnitrobenzene
PP	Brodifacoum		para-Chlorobenzyl chloride, liquid or solid
	Bromine cyanide		Chlorodinitrobenzenes, liquid or solid
	Bromoacetone		1-Chloroheptane
	Bromoallylene		1-Chlorohexane
	Bromobenzene		Chloronitroanilines
	ortho-Bromobenzyl cyanide		Chloronitrotoluenes, <i>liquid</i>
	Bromocyane		Chloronitrotoluenes, <i>solid</i>
	Bromoform	PP	1-Chlorooctane
PP	Bromophos-ethyl	PP	Chlorophenolates, liquid
	3-Bromopropene		Chlorophenolates, solid
	Bromoxnil		Chlorophenyltrichlorosilane
	Butanedione		Chloropicrin
	2-Butenal, stabilized	PP	alpha-Chloropropylene
	Butyl benzyl phthalate	PP	ortho-Chlorotoluene
	Butylbenzenes		Chlorpyrifos
	<i>N-tert-butyl-N-cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine</i>		Chlorthiophos
PP	2,4-Di-tert-butylphenol		Cocculus
	2, 6-Di-tert-Butylphenol	PP	Coconitrile
PP	para-tertiary-butyltoluene	PP	Copper acetoarsenite
	Cadmium compounds	PP	Copper arsenite
	Cadmium sulphide	PP	Copper chloride
	Calcium arsenate	PP	Copper chloride solution
	Calcium arsenate and calcium arsenite, mixtures, solid	PP	Copper cyanide
	Calcium cyanide	PP	Copper metal powder
	Calcium hypochlorite, dry <i>with more than 39% available chlorine (8.8% available oxygen)</i>	PP	Copper sulphate, anhydrous, hydrates
	Calcium hypochlorite mixture, dry <i>with more than 10% but not more than 39% available chlorine</i>		Coumachlor
	Calcium hypochlorite mixture, dry <i>with more than 39% available chlorine (8.8% available oxygen)</i>	PP	Coumaphos
	Calcium hypochlorite mixture, dry, corrosive <i>with more than 10% but not more than 39% available chlorine</i>	PP	Creosote salts
	Calcium hypochlorite mixture, dry, corrosive <i>with more than 39% available chlorine (8.8% available oxygen)</i>	PP	Cresyl diphenyl phosphate
	Calcium hypochlorite, hydrated <i>with not less than 5.5% but not more than 16% water</i>	PP	Crotonaldehyde, stabilized
			Crotonic aldehyde, stabilized
			Crotoxypfos
			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

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LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	Cyanogen chloride, inhibited
	Cyanogen chloride, stabilized
	Cyanophos
PP	1,5,9-Cyclododecatriene
	Cycloheptane
PP	Cyhexatin
PP	Cyrenes (o-;m-;p-)
PP	Cypermethrin
	Decyl acrylate
PP	DDT
	Decycloxytetrahydrothiophene 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
	2,4-Dichlorophenol
	Dichlorophenyltrichlorosilane
	1,3-Dichloropropene
PP	Dichlorvos
PP	Diclofop-methyl
	Dicrotophos
PP	Dieldrin
	Diisopropylbenzenes
	Diisopropyl-naphthalenes, mixed isomers
PP	Dimethoate
	Dimethyl disulphide
PP	N,N-Dimethyldodecylamine
	Dimethylhydrazine, symmetrical
	Dimethylhydrazine, unsymmetrical
	Dinitro-o-cresol, <i>solid</i>
	Dinitro-o-cresol, <i>solution</i>
	Dinitrochlorobenzenes, liquid or solid
	Dinitrophenol, <i>dry or wetted with less than 15 per cent water, by mass</i>
	Dinitrophenol solutions
	Dinitrophenol, <i>wetted with not less than 15 per cent water, by mass</i>
	Dinitrophenolates <i>alkali metals, dry or wetted with less than 15 per cent water, by mass</i>
	Dinitrophenolates, <i>wetted with not less than 15 per cent water, by mass</i>
	Dinitrotoluenes, liquid
	Dinitrotoluenes, molton
	Dintrotoluenes, solid
	Dinobuton
	Dinoseb
	Dinoseb acetate
	Dioxacarb
	Dioxathion
	Dipentene
	Diphacinone
	Diphenyl
PP	Diphenylamine chloroarsine
PP	Diphenylchloroarsine, solid or liquid
	Disulfoton
	1,4-Di-tert-butylbenzene
	DNOC

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
	DNOC (pesticide)
	Dodecene (except 1-dodecene)
	Dodecyl diphenyl oxide disulphonate
PP	Dodecyl hydroxypropyl sulfide
	1-Dodecylamine
PP	Dodecylphenol
	Drazoxolon
	Edifenphos
PP	Endosulfan
PP	Endrin
	Epibromohydrin
	Epichlorohydrin
PP	EPN
PP	Esfenvalerate
PP	Ethion
	Ethoprophos
	Ethyl fluid
	Ethyl mercaptan
	2-Ethylhexyl nitrate
	2-Ethyl-3-propylacrolein
	Ethyl tetraphosphate
	Ethylchloroarsine
	Ethylene dibromide and methyl bromide mixtures, liquid
	2-Ethylhexaldehyde
	Fenamiphos
PP	Fenbutatin oxide
PP	Fenchlorazole-ethyl
PP	Fenitrothion
PP	Fenoxapro-ethyl
PP	Fenoxaprop-P-ethyl
PP	Fenpropathrin
	Fensulfthion
PP	Fenthion
PP	Fentin acetate
PP	Fentin hydroxide
	Ferric arsenate
	Ferric arsenite
	Ferrous arsenate
PP	Fonofos
	Formetanate
PP	Furathiocarb (ISO)
PP	gamma-BHC
	Gasoline, leaded
PP	Heptachlor
	Heptanes
	Heptenophos
	n-Heptaldehyde
	n-Heptylbenzene
	normal-Heptyl chloride
PP	Hexachlorobutadiene
PP	1,3-Hexachlorobutadiene
	Hexaethyl tetraphosphate <i>liquid</i>
	Hexaethyl tetraphosphate, <i>solid</i>
	Hexane
	normal-Hexyl chloride
	n-Hexylbenzene
	Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water
	Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water and absorbed in a porous inert material
	Hydrocyanic acid, aqueous solutions <i>not more than 20% hydrocyanic acid</i>
	Hydrogen cyanide solution in alcohol, <i>with not more than 45% hydrogen cyanide</i>
	Hydrogen cyanide, stabilized <i>with less than 3% water</i>
	Hydrogen cyanide, stabilized <i>with less than 3% water and absorbed in a porous inert material</i>
	Hydroxydimethylbenzenes, liquid or solid

LIST OF MARINE POLLUTANTS—Continued		LIST OF MARINE POLLUTANTS—Continued	
S.M.P. (1)	Marine pollutant (2)	S.M.P. (1)	Marine pollutant (2)
	Hypochlorite solutions	PP	Mercury benzoate
	Ioxynil	PP	Mercury bichloride
	Isobenzan	PP	Mercury bisulphates
	Isobutyl butyrate	PP	Mercury bromides
	Isobutylbenzene	PP	Mercury compounds, liquid, n.o.s.
	Isodecyl acrylate	PP	Mercury compounds, solid, n.o.s.
	Isodecyl diphenyl phosphate	PP	Mercury cyanide
	Isofenphos	PP	Mercury gluconate
	Isooctane	PP	Mercury (I) (mercurous) compounds (pesticides)
	Isooctyl nitrate	PP	Mercury (II) (mercuric) compounds (pesticides)
	Isoprene, stabilized		Mercury iodide
	Isoprocarb	PP	Mercury nucleate
	Isotetramethylbenzene	PP	Mercury oleate
PP	Isoxathion	PP	Mercury oxide
	Lead acetate	PP	Mercury oxycyanide, desensitized
	Lead arsenates	PP	Mercury potassium cyanide
	Lead arsenites	PP	Mercury potassium iodide
	Lead compounds, soluble, n.o.s.	PP	Mercury salicylate
	Lead cyanide	PP	Mercury sulfates
	Lead nitrate	PP	Mercury thiocyanate
	Lead perchlorate, solid or solution		Mesitylene
	Lead tetraethyl		Metam-sodium
	Lead tetramethyl		Methamidophos
PP	Lindane		Methanethiol
	Linuron		Methidathion
	London Purple		Methomyl
	Magnesium arsenate		ortho-Methoxyaniline
	Malathion		Methyl bromide and ethylene dibromide mixtures, liq- uid
	Mancozeb (ISO)		Methyl disulphide
	Maneb		Methyl mercaptan
	Maneb preparations with not less than 60% maneb		2-Methyl-2-phenylpropane
	Maneb preparation, stabilized against self-heating		3-Methylacroleine, stabilized
	Maneb stabilized or Maneb preparations, stabilized against self-heating		N-Methylaniline
	Manganese ethylene-1,2-bis dithiocarbamate		Methylchlorobenzenes
	Manganese ethylene-1,2-bis-dithiocarbamate, sta- bilized against self-heating		Methylcyclohexane
	Mecarbam		Methyldinitrobenzenes, liquid
	Mephostolan		Methyldinitrobenzenes, molten
	Mercaptodimethur		Methyldinitrobenzenes, solid
PP	Mercuric acetate		Methyldithiomethane
PP	Mercuric ammonium chloride		2-Methylheptane
PP	Mercuric arsenate		Methylnitrophenols
PP	Mercuric benzoate		2-Methylpentane
PP	Mercuric bisulphate		3-Methylpyradine
PP	Mercuric bromide		Methyltrithion
PP	Mercuric chloride	PP	Methylvinylbenzenes, inhibited
PP	Mercuric cyanide		Mevinphos
PP	Mercuric gluconate		Mexacarbate
	Mercuric iodide		Mirex
PP	Mercuric nitrate		Monocrotophos
PP	Mercuric oleate		Motor fuel anti-knock mixtures
PP	Mercuric oxide		Motor fuel anti-knock mixtures or compounds
PP	Mercuric oxycyanide, desensitized		Nabam
PP	Mercuric potassium cyanide		Naled
PP	Mercuric Sulphate	PP	Naphthalene, crude or Naphthalene, refined
PP	Mercuric thiocyanate	PP	Naphthalene, molten
PP	Mercuriol	PP	Nickel carbonyl
PP	Mercurous acetate	PP	Nickel cyanide
PP	Mercurous bisulphate		Nickel tetracarbonyl
PP	Mercurous bromide		3-Nitro-4-chlorobenzotrifluoride
PP	Mercurous chloride		Nitrobenzene
PP	Mercurous nitrate		Nitrobenzotrifluorides, liquid or solid
PP	Mercurous salicylate		Nonanes
PP	Mercurous sulphate		Nonylphenol
PP	Mercury acetates		normal-Octaldehyde
PP	Mercury ammonium chloride		Octanes
PP	Mercury based pesticide, liquid, flammable, toxic	PP	Oleylamine
PP	Mercury based pesticides, liquid, toxic, flammable	PP	Organotin compounds, liquid, n.o.s.
PP	Mercury based pesticides, liquid, toxic	PP	Organotin compounds (pesticides)
PP	Mercury based pesticides, solid, toxic	PP	Organotin compounds, solid, n.o.s.
		PP	Organotin pesticides, liquid, flammable, toxic, n.o.s., flash point less than 23deg C

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LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
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.
PP	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
	Phenylamine
	1-Phenylbutane
	2-Phenylbutane
	Phenylcyclohexane
PP	Phenylmercuric acetate
PP	Phenylmercuric compounds, n.o.s.
PP	Phenylmercuric hydroxide
PP	Phenylmercuric nitrate
PP	Phorate
PP	Phosalone
PP	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)
	Pine Oil
	alpha-Pinene
	Pirimicarb
PP	Pirimiphos-ethyl
PP	Polychlorinated biphenyls
PP	Polyhalogenated biphenyls, liquid or Terphenyls liquid
PP	Polyhalogenated biphenyls, solid or Terphenyls, solid
PP	Potassium cuprocyanide
	Potassium cyanide, solid
	Potassium cyanide, solution
PP	Potassium cyanocuprate (I)
PP	Potassium cyanomercurate
PP	Potassium mercuric iodide
	Promecarb
	Propachlor
	Propaphos
	Propenal, inhibited
	Propenoic acid, stabilized
	Propenyl alcohol
	Propoxur
	Propylene tetramer
	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

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Salithion
PP	Silafluofen
	Silver arsenite
	Silver cyanide
	Silver orthoarsenite
PP	Sodium copper cyanide, solid
PP	Sodium copper cyanide solution
PP	Sodium cuprocyanide, solid
PP	Sodium cuprocyanide, solution
	Sodium cyanide, solid
	Sodium cyanide, solution
	Sodium dinitro-o-cresolate, dry or wetted with less than 15 per cent water, by mass
	Sodium dinitro-ortho-cresolate, wetted with not less than 15 per cent water, by mass
	Sodium hypochlorite solution
PP	Sodium pentachlorophenate
	Strychnine or Strychnine salts
	Sulfotep
PP	Sulprophos
	Tallow nitrile
	Temephos
	TEPP
PP	Terbufos
	Tetrabromoethane
	Tetrabromomethane
	1,1,2,2-Tetrachloroethane
	Tetrachloroethylene
	Tetrachloromethane
	Tetraethyl dithiopyrophosphate
PP	Tetraethyl lead, liquid
	Tetramethrin
	Tetramethyllead
	Tetrapropylene
	Thallium chlorate
	Thallium compounds, n.o.s.
	Thallium compounds (pesticides)
	Thallium nitrate
	Thallium sulfate
	Thallos chlorate
	Thiocarbonyl tetrachloride
	Toluidines, liquid
	Toluidines, solid
	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
	1,3,5-Trimethylbenzene
	Trimethylene dichloride
	2,2,4-Trimethylpentane
PP	Triphenylphosphate
	Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 5% to 10% triphenyl phosphates

LIST OF MARINE POLLUTANTS—Continued

S.M.P. (1)	Marine pollutant (2)
PP	Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphates
PP	Triphenyltin compounds Tripropylene
PP	Tritolyl phosphate (less than 1% ortho-isomer) Tritolyl phosphate (not less than 1% ortho-isomer) Trixylenyl phosphate
	Turpentine Vinylidene chloride, stabilized Warfarin (and salts of)
PP	White phosphorus, dry
PP	White phosphorus, wet
	White spirit, low (15-20%) aromatic
PP	Yellow phosphorus, dry
PP	Yellow phosphorus, wet
	Zinc bromide Zinc chloride, anhydrous Zinc chloride solution 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.govinfo.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.

(3) A code containing the letter “B” refers to a special provision which applies only to bulk packaging requirements. Unless otherwise provided in this subchapter, these special provisions do not apply to UN, IM Specification portable tanks or IBCs.

(4) A code containing the letters “IB” or “IP” refers to a special provision that applies only to transportation in IBCs.

(5) A code containing the letter “N” refers to a special provision which applies only to non-bulk packaging requirements.

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

(7) A code containing the letter “T” refers to a special provision which applies only to transportation in UN or IM Specification portable tanks.

(8) A code containing the letters “TP” refers to a portable tank special provision for UN or IM Specification portable tanks that is in addition to those provided by the portable tank instructions or the requirements in part 178 of this subchapter.

(9) A code containing the letter “W” refers to a special provision that applies only to transportation by water.

(c) *Tables of special provisions.* The following tables list, and set forth the requirements of, the special provisions referred to in column 7 of the § 172.101 table.

(1) *Numeric provisions.* These provisions are multi-modal and apply to bulk and non-bulk packagings:

Code/Special Provisions

1 This material is poisonous by inhalation (see § 171.8 of this subchapter) in Hazard Zone A (see § 173.116(a) or § 173.133(a) of this subchapter), and must be described as an inhalation hazard under the provisions of this subchapter.

2 This material is poisonous by inhalation (see § 171.8 of this subchapter) in Hazard Zone B (see § 173.116(a) or § 173.133(a) of this subchapter), and must be described as an