

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”).

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

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

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

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

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

(e) *Column 4: Identification number.* Column 4 lists the identification number assigned to each proper shipping name. Those preceded by the letters “UN” are associated with proper shipping names considered appropriate for

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

(f) *Column 5: Packing group.* Column 5 specifies one or more packing groups assigned to a material corresponding to the proper shipping name and hazard class for that material. Class 2, Class 7, Division 6.2 (other than regulated medical wastes), and ORM-D materials, do not have packing groups. 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 Col-

umns (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.

(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

§ 172.101

49 CFR Ch. I (10–1–17 Edition)

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	Accelerane, see Nitrosodimethylamine	3	UN1088	II	3	IB2, T4, TP1	202	242	5 L	60 L	E		
	Accumulators, electric, see Batteries, wet etc												
	Accumulators, pressurized, pneumatic or hydraulic (containing non-flammable gas), see Articles pressurized, pneumatic or hydraulic (containing non-flammable gas)												
	Acetal												
	Acetaldehyde												
	Acetaldehyde ammonia												
	Acetaldehyde oxime												
	Acetic acid, glacial or Acetic acid solution, with more than 80 percent acid, by mass												
	Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass												
	Acetic acid solution, with more than 10 percent and less than 50 percent acid, by mass												
	Acetic anhydride												
	Acetone												
	Acetone cyanohydrin, stabilized												
	Acetone oils												
	Acetonitrile												
Acetyl acetone peroxide with more than 9 percent by mass active oxygen													
Acetyl benzoyl peroxide, solid, or with more than 40 percent in solution													
Acetyl bromide													
		8	UN1716	II	8	B2, IB2, T8, TP2	202	242	1 L	30 L	C	40	
		3	UN1089	I	3	A3, B16, T11, TP2, TP7	201	243	Forbidden	30 L	E		
		9	UN1841	III	9	IB8, IP3, IP7, T1, TP33	204	240	200 kg	200 kg	A	34	
		3	UN2332	III	3	B1, B3, T4, TP1	203	242	60 L	220 L	A		
		8	UN2789	II	8, 3	A3, A6, A7, A10, B2, IB2, T7, TP2	202	243	1 L	30 L	A		
		8	UN2790	II	8	148, A3, A6, A7, A10, B2, IB2, T7, TP2	202	242	1 L	30 L	A		
		8	UN2790	III	8	148, IB3, T4, TP1	203	242	5 L	60 L	A		
		8	UN1715	II	8, 3	A3, A6, A7, A10, B2, IB2, T7, TP2	202	243	1 L	30 L	A	40	
		3	UN1090	II	3	IB2, T4, TP1	202	242	5 L	60 L	B		
		6.1	UN1541	I	6.1	2, B9, B14, B32, B76, B77, N34, T20, TP2, TP13, TP38, TP45	227	244	Forbidden	Forbidden	D	25, 40, 52, 53	
		3	UN1091	II	3	IB2, T4, TP1, TP8	202	242	5 L	60 L	B	40	
		3	UN1648	II	3	IB2, T7, TP2	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 chloride	3	UN1717	II	3, 8	A3, A6, A7, IB1, N34, T8, TP2	150	202	243	1 L	5 L	B	40
	<i>Acetyl cyclohexanesulfonyl per-oxide, with more than 82 percent wetted with less than 12 percent water</i>	Forbidden											
	Acetyl iodide	8	UN1898	II	8	B2, IB2, T7, TP2, TP13	154	202	242	1 L	30 L	C	40
	Acetyl methyl carbinoI	3	UN2821	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Acetyl peroxide, solid, or with more than 25 percent in solution</i>	Forbidden											
	Acetylene, dissolved	2.1	UN1001		2.1	N86, N88	None	303	None	Forbidden	15 kg	D	25, 40, 57
	<i>Acetylene (liquefied)</i>	Forbidden											
	<i>Acetylene silver nitrate</i>	Forbidden											
	<i>Acetylene, solvent free</i>	Forbidden											
	<i>Acetylene tetrabromide, see Tetra bromoethane</i>	Forbidden											
	<i>Acid butyl phosphate, see Butyl acid phosphate</i>	Forbidden											
	Acid sludge, see Sludge acid												
	Acridine	6.1	UN2713	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	Acrolein	3	UN2607	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25, 40
	Acrolein dimer, 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
	Acrolein, stabilized												
	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
	Acrylonitrile, stabilized	3	UN1093	I	3, 6.1	387, B9, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	25, 40
	<i>Actuating cartridge, explosive, see Cartridges, power device</i>												
	<i>Adhesives, containing a flammable liquid</i>	3	UN1133	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	B	
				II	3	149, 383, B52, IB2, T4, TP1, TP8	150	173	242	5 L	60 L	B	
				III	3	B1, B52, IB3, T2, TP1	150	173	242	60 L	220 L	A	

§ 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, 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, <i>corrosive, Packing Group II or III, (each not exceeding 1 L capacity)</i>	2.2	UN1950	.....	2.2, 8	A34	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, <i>flammable (each not ex-ceeding 1 L capacity)</i>	2.1	UN1950	.....	2.1	N82	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, <i>flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)</i>	2.1	UN1950	.....	2.1	N82	306	304	None	Forbidden	150 kg	A	25, 87, 126
	Aerosols, <i>non-flammable, (each not exceeding 1 L capacity)</i>	2.2	UN1950	.....	2.2	.....	306	None	None	75 kg	150 kg	A	25, 87, 126
	Aerosols, <i>poison, Packing Group III (each not exceeding 1 L capacity)</i>	2.2	UN1950	.....	2.2, 6.1	.....	306	None	None	Forbidden	Forbidden	A	25, 87, 126
	<i>Air bag inflators, or Air bag mod-ules, or Seat-belt pretensioners, see Safety devices, electrically initiated or Safety devices, pyro-technic</i>												
	Air, compressed	2.2	UN1002		2.2	78	306, 307	302	302	75 kg	150 kg	A	
	Air, refrigerated liquid, (<i>cryogenic liquid</i>)	2.2	UN1003		2.2, 5.1	T75, TP5, TP22	320	316	318, 319	Forbidden	Forbidden	D	51
	Air, refrigerated liquid, (<i>cryogenic liquid non-preserved Aircraft engines (including turbines), see Engines, internal combustion</i>)	2.2	UN1003		2.2, 5.1	T75, TP5, TP22	320	316	318, 319	Forbidden	Forbidden	D	51

§ 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	Alkaline corrosive liquids, n.o.s., see Caustic alkali liquids, n.o.s. Alkaline earth metal alcoholates, n.o.s.	4.2	UN3205	II	4.2	65, A7, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	B	
		4.3	UN1393	III	4.2	65, A7, IB8, IP3, T1, TP33, W31	None	213	241	25 kg	100 kg	B	
		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
		4.3	UN3402	I	4.3	A19, N34, N40, W31	None	201	244	Forbidden	1 L		E	13, 40, 52, 148
G	Alkaline earth metal amalgams, liquid Alkaline earth metal amalgams, solid 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	
		6.1	UN1544	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	A	
		6.1	UN2584	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	
G	Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sulfuric acid Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent free sulfuric acid Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with more than 5 percent free sulfuric acid Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)	8	UN2586	III	8	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
		8	UN2584	II	8	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
		8	UN2586	III	8	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
		8	UN2584	II	8	B2, IB2, T8, TP2, TP13	154	202	242	1 L	30 L	B	
		8	UN2586	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	B	
		8	UN2583	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
G	Alkyl sulfonic acids, solid, with more than 5 percent free sulfuric acid Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with not more than 5 percent free sulfuric acid Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)	8	UN2585	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
		8	UN3145	I	8	A6, T14, TP2	None	201	243	0.5 L	2.5 L	B	
		8	UN3145	II	8	IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	
				III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	

Pipeline and Haz. Matls. Safety Admin., DOT

§ 172.101

Alkylphenols, solid, n.o.s. (including C2-C12 homologues)	8	UN2430	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	14
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	15 kg 25 kg 1 L	50 kg 100 kg 30 L	B A C	
<i>Allethrin</i> , see Pesticides, liquid, toxic, n.o.s.	3	UN2333	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
Allyl acetate	6.1	UN1098	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Allyl alcohol	3	UN1099	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	B	40
Allyl bromide	3	UN1100	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
Allyl chloride	6.1	UN1722	I	6.1, 3, 8	2, B9, B14, B32, N41, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	21, 40, 100
Allyl chloroformate, see Allyl chloroformate	3	UN2335	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
Allyl ethyl ether	3	UN2336	I	3, 6.1	T14, TP2, TP13	None	201	243	Forbidden	30 L	E	40
Allyl formate	3	UN2219	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
Allyl glycidyl ether	3	UN1723	II	3, 8	A3, A6, IB1, N34, T7, TP2, TP13	150	202	243	1 L	5 L	B	40
Allyl iodide	6.1	UN1545	II	6.1, 3	387, A3, A7, IB2, T7, TP2	None	202	243	Forbidden	60 L	D	25, 40
Allyl isothiocyanate, stabilized	6.1	UN2334	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Allylamine	8	UN1724	II	8, 3	387, A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	25, 40
Allyltrichlorosilane, stabilized	4.2	UN2870	I	4.2, 4.3	B11, T21, TP7, TP33	None	181	244	Forbidden	Forbidden	D	13, 148
Aluminum borohydride or Aluminum borohydride in devices	8	UN1725	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40
Aluminum bromide, anhydrous	8	UN2580	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
Aluminum bromide, solution	4.3	UN1394	II	4.3	A20, IB7, IP2, IP21, N41, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	A	13, 52, 148
Aluminum carbide	8	UN1726	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40
Aluminum chloride, anhydrous	8	UN2581	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
Aluminum chloride, solution	Forbidden											
Aluminum dross, wet or hot	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 ferrosilicon powder	4.3		III	4.3, 6.1	A19, A20, IB4	151	213	241	25 kg	100 kg	A	13, 39, 40, 52, 53, 85, 103, 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)											
D	Aluminum hydride Aluminum, molten Aluminum nitrate <i>Aluminum phosphate solution, see Corrosive liquids, etc</i> Aluminum phosphide	4.3 9 5.1	UN2463 NA9260 UN1438	I III III	4.3 9 5.1	A19, N40, W32 IB3, T1, TP3 A1, A29, IB8, IP3, T1, TP33	None None 213	211 None 213	242 247 240	Forbidden Forbidden 25 kg	15 kg Forbidden 100 kg	E D A	13, 148											
														4.3	UN1397	I	4.3, 6.1	A8, A19, N40, W32	None 211	242	Forbidden	15 kg	E	13, 40, 52, 85, 148
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					
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														
											III	4.3	A19, A20, IB8, IP21, T1, TP33, W31, W40	151 213	241	25 kg	100 kg	A	13, 39, 52, 53, 148					
4.1 4.3	UN2715 UN1398	III III	4.1 4.3	IB6, T1, TP33 A1, A19, IB8, IP4, T1, TP33, W31, W40	151 213	240 241	25 kg 25 kg	100 kg 100 kg	A A	13, 39, 40, 52, 53, 85, 103, 148														

	Aluminum smelting by-products or Aluminum remaining by-products	4.3	UN3170	II	4.3	128, B115, IB7, IP2, IP21, T3, TP33, W31, W40	None	212	242	15 kg	50 kg	B	13, 85, 103, 148
G	Amatols, see Explosives, blasting, type B Amine, flammable, corrosive, n.o.s., or Polyamines, flammable, corrosive, n.o.s.	3	UN2733	I	3, 8	T14, TP1, TP27	None	201	243	0.5 L	2.5 L	D	40, 52
G	Amine, liquid, corrosive, flammable, n.o.s. or Polyamines, liquid, corrosive, flammable, n.o.s.	8	UN2734	I	8, 3	IB2, T11, TP1, TP27 B1, IB3, T7, TP1, TP28 A3, A6, N34, T14, TP2, TP27	None	202 203 201	243 242 243	1 L 5 L 0.5 L	5 L 60 L 2.5 L	B A A	40, 52 40, 52 52
G	Amines, liquid, corrosive, n.o.s., or Polyamines, liquid, corrosive, n.o.s.	8	UN2735	I	8, 3	IB2, T11, TP2, TP27 A3, A6, B10, N34, T14, TP2, TP27	None	202 201	243 243	1 L 0.5 L	30 L 2.5 L	A A	52 52
G	Amines, solid, corrosive, n.o.s., or Polyamines, solid, corrosive n.o.s.	8	UN3259	I	8	B2, IB2, T11, TP1, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	None	202 203 211	242 241 242	1 L 5 L 1 kg	30 L 60 L 25 kg	A A A	52 52 52
	2-Amino-4-chlorophenol	6.1	UN2673	III	8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	154 154	212 213	240 240	15 kg 25 kg	50 kg 100 kg	A A	52 52
	2-Amino-5-diethylaminopentane	6.1	UN2946	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	2-Amino-4,6-Dinitrophenol, wetted with not less than 20 percent water by mass	4.1	UN3317	I	4.1	IB3, T4, TP1 23, A8, A19, A20, N41, W31	None	203 211	241 None	60 L 1 kg	220 L 15 kg	A E	28, 36
	2-(2-Aminoethoxy) ethanol	8	UN3055	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	N-Aminoethylpiperazine	8	UN2815	III	8, 6.1	IB3, T4, TP1	154	203	241	5 L	60 L	B	12, 25, 40
+	Aminophenols (o-, m-, p-) Aminopropylalcoholamine, see Amines, etc n-Aminopropylmorpholine, see Amines, etc	6.1	UN2512	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
I	Aminopyridines (o-, m-, p-)	6.1	UN2671	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	12, 25, 40, 52
	Ammonia, anhydrous	2.3	UN1005	.....	2.3, 8	4, 379, N87, T50	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
D	Ammonia, anhydrous	2.2	UN1005	.....	2.2	13, 379, T50	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57

§ 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	Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 35 per-cent but not more than 50 per-cent ammonia Ammonia solution, relative density between 0.880 and 0.957 at 15 degrees C in water, with more than 10 percent but not more than 35 percent ammonia Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 50 per-cent ammonia	2.2	UN2073		2.2	N87	306	304	314, 315	Forbidden	150 kg	E	40, 52, 57
		8	UN2672	III	8	336, IB3, IP8, T7, TP2	154	203	241	5L	60L	A	40, 52, 85
		2.3	UN3318		2.3, 8	4, N87, T50	None	304	314, 315	Forbidden	Forbidden	Forbidden	D	40, 52, 57
D	Ammonia solution, relative density less than 0.880 at 15 degrees C in water, with more than 50 per-cent ammonia Ammonium arsenate Ammonium azide Ammonium bifluoride, solid, see Ammonium hydrogen difluoride, solid Ammonium bifluoride solution, see Ammonium hydrogen difluoride, solution Ammonium bromate Ammonium chlorate Ammonium dichromate Ammonium dinitro-o-cresolate, solid Ammonium dinitro-o-cresolate solution	2.2	UN3318		2.2	13, T50	None	304	314, 315	Forbidden	Forbidden	D	40, 52, 57
		6.1 Forbidden	UN1546	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	53
		Forbidden											
		5.1 Forbidden	UN1439	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg 25 kg	25 kg 100 kg	A B	52 36, 65, 66, 77
		6.1	UN1843	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	5 L	60 L	B	36, 66, 78, 91
		6.1	UN3424	II	6.1	IB2, T7, TP2	153	202	243	60 L	220 L	A	36, 66, 78, 91
		6.1	UN2505 UN2854	III III	6.1 6.1	IB2, T7, TP2 IB8, IP3, T1, TP33 IB8, IP3, T1, TP33	153 153	203 213 213	240 240	100 kg 100 kg	200 kg 200 kg	A A	52 52

D	Ammonium hydrogen sulfate	8	UN2506	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	40
	Ammonium hydrogendifluoride, solid	8	UN1727	II	8	IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52
	Ammonium hydrogendifluoride, solution	8	UN2817	II	8, 6.1	IB2, N34, T8, TP2, TP13	154	202	243	1 L	30 L	B	40
D	Ammonium hydrosulfide, solution, see Ammonium sulfide solution			III	8, 6.1	IB3, N3, T4, TP1, TP13	154	203	241	5 L	60 L	B	40, 95
	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
A W	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, 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	25, 59, 60, 66, 124
D	Ammonium nitrate-fuel oil mixture containing only prilled ammonium nitrate and fuel oil	1.5D	NA0331	.....	1.5D	148	None	62	None	Forbidden	Forbidden	03	25, 19E
	Ammonium nitrate, liquid (not 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
D	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											
	Ammonium perchlorate	1.1D	UN0402	.....	1.1D	107	None	62	None	Forbidden	Forbidden	04	25, 19E
D	Ammonium perchlorate	5.1	UN1442	II	5.1	107, A9, IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	E	58, 69
	Ammonium permanganate	Forbidden											
	Ammonium persulfate	5.1	UN1444	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	25, 59, 60, 66, 124
D	Ammonium picrate, dry or wetted with less than 10 percent water, by mass	1.1D	UN0004	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 59, 19E

§ 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 picrate, wetted with not less than 10 percent water, by mass	4.1	UN1310	I	4.1	23, A2, N41, W31	None	211	None	0.5 kg	0.5 kg	D	28, 36
	Ammonium polysulfide, solution	8	UN2818	II	8, 6.1	IB2, T7, TP2, TP13	154	202	243	1 L	30 L	B	12, 25, 40, 52
	Ammonium polyvanadate	6.1	UN2861	II	6.1	IB3, T4, TP1, TP13	154	203	241	5 L	60 L	B	12, 25, 40, 52
	Ammonium silicofluoride, see Ammonium fluorosilicate												
	Ammonium sulfide solution	8	UN2683	II	8, 6.1, 3	IB1, T7, TP2, TP13	154	202	243	1 L	30 L	B	12, 22, 25, 32, 100
	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, incendiary liquid or gel, with burster, expelling charge or propelling charge	1.4G	UN0297	.....	1.4G	.....		62	62	Forbidden	75 kg	02	25
	Ammunition, incendiary (water-activated contrivances) with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc.	1.3J	UN0247	.....	1.3J	.....		62	None	Forbidden	Forbidden	05	25, 23E

Pipeline and Haz. Matls. Safety Admin., DOT

§ 172.101

Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge	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, 14E, 15E, 17E
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, proof	1.3G	UN0488	.....	1.3G	.....	62	62	Forbidden	Forbidden	03	25
Ammunition, rocket, see Warheads, rocket etc	1.4G	UN0363	.....	1.4G	.....	62	62	Forbidden	75 kg	02	25
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)											
Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge	1.2H	UN0245	.....	1.2H	.....	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge	1.3H	UN0246	.....	1.3H	.....	62	62	Forbidden	Forbidden	05	25, 14E, 15E, 17E
Ammunition, smoke with or without burster, expelling charge or propelling charge	1.2G	UN0015	.....	1.2G	.....	62	62	Forbidden	Forbidden	03	25, 14E, 15E, 17E
Ammunition, smoke with or without burster, expelling charge or propelling charge	1.3G	UN0016	.....	1.3G	.....	62	62	Forbidden	Forbidden	03	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)
	1.4G Ammunition, smoke with or without burster, expelling charge or propelling charge	1.4G	UN0303	.....	1.4G	.....	.....	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 Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed	6.1	UN2017	.....	6.1, 8	.....	None	212	None	Forbidden	50 kg	E	13, 40
	1.2G Ammunition, tear-producing with burster, expelling charge or propelling charge	1.2G	UN0018	.....	1.2G, 8, 6.1	.....	.....	62	62	Forbidden	Forbidden	03	25, 17E
	1.3G Ammunition, tear-producing with burster, expelling charge or propelling charge	1.3G	UN0019	.....	1.3G, 8, 6.1	.....	.....	62	62	Forbidden	Forbidden	03	25, 17E
	1.4G Ammunition, tear-producing with burster, expelling charge or propelling charge	1.4G	UN0301	.....	1.4G, 8, 6.1	.....	.....	62	62	Forbidden	75 kg	02	25, 14E, 15E, 17E
	6.1 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
G	Ammunition, toxic (water-activated contrivances), with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc												
	1.2K Ammunition, toxic with burster, expelling charge, or propelling charge	1.2K	UN0020	.....	1.2K, 6.1	.....	.....	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
G	Ammunition, toxic with burster, expelling charge, or propelling charge	1.3K	UN0021	.....	1.3K, 6.1	.....	.....	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E
	3 Amyl acetates	3	UN1104	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		
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other	
	Argon, compressed	2.2	UN1006		2.2		(8A) 306, 307	(8B) 302	(8C) 314, 315	(9A) 75 kg	(9B) 150 kg	(10A) 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	46	
	Arsenic acid, liquid	6.1	UN1553	I	6.1	T20, TP2, TP7, TP13, W31	None	201	243	1 L	30 L	B		
	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		
	Arsenic chloride, see Arsenic tri-chloride													
	Arsenic compounds, liquid, n.o.s. (<i>inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic com-pounds 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. (<i>inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic com-pounds of arsenic, n.o.s.</i>)	6.1	UN1557	I	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40, 137
					III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	B	40, 137
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	137	
Arsenic pentoxide		6.1	UN1559	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	137	
Arsenic sulfide and a chlorate, mix-tures of		Forbidden												
Arsenic trichloride		6.1	UN1560	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	B	40	
Arsenic trioxide		6.1	UN1561	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		
Arsenic, white, solid, see Arsenic trioxide														
Arsenical dust		6.1	UN1562	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A		

UN number	Class	Division	Subdivision	Proper shipping name	Quantity	Label	Special provisions	Other	Quantity	Label	Special provisions	
3 UN2760	I	3, 6.1		Arsenical pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	None	T14, TP2, TP13, TP27	201	243	Forbidden	30 L	B	40
6.1 UN2994	II	3, 6.1		Arsenical pesticides, liquid, toxic	150	IB2, T11, TP2, TP13, TP27	202	243	1 L	60 L	B	40
6.1 UN2993	I	6.1		Arsenical pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	None	T14, TP2, TP13, TP27	201	243	1 L	30 L	B	40
6.1 UN2759	II	6.1		Arsenical pesticides, solid, toxic	153	IB3, T7, TP2, TP28	203	241	60 L	220 L	A	40
2.3 UN2188	I	6.1, 3		Arsenious acid, solid, see Arsenic trioxide	None	T14, TP2, TP13, TP27	201	243	1 L	30 L	B	40
2.3 UN3522	II	6.1, 3		Arsenious acid, solid, see Arsenic trioxide	153	IB2, T11, TP2, TP13, TP27	202	243	5 L	60 L	B	40
1.6N UN0486	III	6.1, 3		Arsenious acid, solid, see Arsenic trioxide	153	B1, IB3, T7, TP2, TP28	203	242	60 L	220 L	A	40
1.4B UN0349	I	6.1		Arsenious acid, solid, see Arsenic trioxide	None	IB7, IP1, T6, TP33	211	242	5 kg	50 kg	A	40
1.4C UN0351	II	6.1		Arsenious acid, solid, see Arsenic trioxide	None	IB8, IP4, T3, TP33	212	242	25 kg	100 kg	A	40
1.4D UN0352	III	6.1		Arsenious acid, solid, see Arsenic trioxide	153	IB8, IP3, T1, TP33	213	240	100 kg	200 kg	A	40
1.4G UN0353												
1.1L UN0354												
1.2L UN0355												
1.3L UN0356												
1.1C UN0462												
1.1D UN0463												
1.1E UN0464												
1.1F UN0465												
1.2C UN0466												
1.2D UN0467												
1.2E UN0468												
2.3 UN3522	.....	2.3, 2.1	1	Arsine, adsorbed	None	1	192	245	Forbidden	Forbidden	D	40
1.6N UN0486	.....	2.3, 2.1	1	Arsine, adsorbed	None	1	302c	None	Forbidden	Forbidden	D	
1.4S UN0349	.....	1.6N		Articles, explosive, extremely insensitive or Articles, EEI	None		62	None	Forbidden	Forbidden	03	25
1.4B UN0350	.....	1.4S	101, 148, 382	Articles, explosive, n.o.s.	None		62	None	25 kg	100 kg	01	25
1.4C UN0351	.....	1.4B	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	05	25
1.4D UN0352	.....	1.4C	101	Articles, explosive, n.o.s.	None		62	None	75 kg	75 kg	02	25
1.4G UN0353	.....	1.4D	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	02	25
1.1L UN0354	.....	1.4G	101	Articles, explosive, n.o.s.	None		62	None	75 kg	75 kg	02	25
1.2L UN0355	.....	1.1L	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	02	25, 14E, 15E
1.3L UN0356	.....	1.2L	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	05	25, 14E, 15E
1.1C UN0462	.....	1.3L	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	05	15E, 25, 14E, 15E
1.1D UN0463	.....	1.1C	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	04	25
1.1E UN0464	.....	1.1D	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	04	25
1.1F UN0465	.....	1.1E	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	04	25
1.2C UN0466	.....	1.1F	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	05	25
1.2D UN0467	.....	1.2C	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	04	25
1.2E UN0468	.....	1.2D	101	Articles, explosive, n.o.s.	None		62	None	Forbidden	Forbidden	04	25
1.2E UN0468	.....	1.2E	101	Articles, explosive, n.o.s.	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	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
G	Articles, explosive, n.o.s.	1.2F	UN0469	.....	1.2F	.....	None	62	None	Forbidden	Forbidden	05	25
G	Articles, explosive, n.o.s.	1.3C	UN0470	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
G	Articles, explosive, n.o.s.	1.4E	UN0471	.....	1.4E	.....	None	62	None	Forbidden	Forbidden 75 kg	03	25
G	Articles, explosive, n.o.s.	1.4F	UN0472	.....	1.4F	.....	None	62	None	Forbidden	Forbidden	05	25
	Articles, pressurized pneumatic or hydraulic containing non-flammable gas	2.2	UN3164	.....	2.2	.....	306	302, 304	None	No limit	No limit	A	
	Articles, pyrophoric	1.2L	UN0380	.....	1.2L	.....	None	62	None	Forbidden	Forbidden	05	25, 14E, 15E, 17E, 25
	Articles, pyrotechnic for technical purposes	1.1G	UN0428	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.2G	UN0429	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.3G	UN0430	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Articles, pyrotechnic for technical purposes	1.4G	UN0431	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Articles, pyrotechnic for technical purposes	1.4S	UN0432	.....	1.4S	.....	None	62	None	Forbidden	100 kg	01	25
D	Asbestos	9	NA2212	III	9	.....	155	216	None	25 kg	200 kg	A	34, 40
G I	Asbestos, amphibole amosite, tremolite, actinolite, anthophyllite, or crocidolite	9	UN2212	II	9	.....	155	216	216, 240	200 kg	Forbidden	A	34, 40
I	Asbestos, chrysotile	9	UN2590	III	9	.....	155	216	216, 240	200 kg	200 kg	A	34, 40
D	Ascaridole (organic peroxide)	Forbidden											
D	Asphalt, at or above its flash point	3	NA1999	III	3	.....	150	203	247	Forbidden	Forbidden	D	
	Asphalt, cut back, see Tars, liquid, etc												
	Automobile, motorcycle, tractor, other self-propelled vehicle, engine, or other mechanical apparatus, see Vehicles or Battery etc												
A, G	Aviation regulated liquid, n.o.s	9	UN3334	.....	9	.....	155	204		450 L	450 L	A	

A, G	Aviation regulated solid, n.o.s	9	UN3335	.....	9	A35	155	204	400 kg		A	2, 52, 53, 74
									400 kg	400 kg		
A, G	Forbiddén	4.1	UN3242	II	4.1	38, IB8, T3, TP33	151	223	240	Forbiddén	Forbiddén	2, 52, 53, 74
	Forbiddén	4.3	UN1400	II	4.3	A19, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	13, 52, 148
	Forbiddén	4.2	UN1854	I	4.2	T21, TP7, TP33, W31	None	181	None	Forbiddén	Forbiddén	13, 148
	Forbiddén	1.1A	UN0224	.....	1.1A, 6.1	111, 117	None	62	None	Forbiddén	Forbiddén	25
	Forbiddén	4.1	UN1571	I	4.1	162, A2, W31	None	182	None	Forbiddén	0.5 kg	28, 36
	Barium azide, pyrophonic	5.1	UN2719	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	56, 58
	Barium bromate	5.1	UN1445	II	5.1	A9, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	56, 58
	Barium chlorate, solid	5.1	UN3405	II	5.1	A9, IB2, N34, T4, TP1	152	202	243	1 L	5 L	56, 58, 133
	Barium chlorate, solution	5.1		III	5.1	A9, IB2, N34, T4, TP1	152	203	242	2.5 L	30 L	56, 58, 133
	Barium compounds, n.o.s	6.1	UN1564	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	4, 52, 56, 58, 106
	Barium cyanide	6.1	UN1565	I	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	4, 52, 56, 58, 106
	Barium hypochlorite with more than 22 percent available chlorine	5.1	UN2741	II	5.1	IB7, IP1, N74, N75, T6, TP33, W31	None	211	242	5 kg	50 kg	40, 52
	Barium nitrate	5.1	UN1446	II	5.1	A7, A9, IB8, IP2, IP4, N34, T3, TP33	152	212	None	5 kg	25 kg	4, 52, 56, 58, 106
	Barium oxide	6.1	UN1884	III	6.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	56, 58
	Barium perchlorate, solid	5.1	UN1447	II	5.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	56, 58
Barium perchlorate, solution	5.1	UN3406	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	56, 58	
			III	6.1	IB2, T4, TP1	152	202	243	1 L	5 L	56, 58, 133	
			III	6.1	IB2, T4, TP1	152	203	242	2.5 L	30 L	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	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Barium permanganate	5.1	UN1448	II	5.1, 6.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138
	Barium peroxide	5.1	UN1449	II	5.1, 6.1	A9, IB6, IP2, T3, TP33, W100	152	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148
	<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	.....	None	213	None	25 kg	230 kg	A	52
	Batteries, nickel-metal hydride see Batteries, dry, sealed, n.o.s. for <i>nickel-metal hydride batteries transported by modes other than vessel</i>	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	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	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	
G	Benzene diazonium chloride (dry)	Forbidden											
	Benzene diazonium nitrate (dry)	Forbidden											
	Benzene phosphorus dichloride, see Phenyl phosphorus dichloride												
	Benzene phosphorus dichloride, see Phenyl phosphorus thiodichloride												
	Benzene sulfonfyl chloride	8	UN2225	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
	Benzene triazone	Forbidden											
	Benzeneithiol, see Phenyl mercaptan												
	Benzidine	6.1	UN1885	II	6.1	IB8, IP2, IP4, T3, TP33, A210	153	212	242	25 kg	100 kg	A	
	1, 3, 2-Benzodioxaborole												
	Benzol, 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	40
	Benzotrithloride	8	UN2226	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40
	Benzotrifluoride	3	UN2338	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Benzoxdiazoles (dry)	Forbidden											
	Benzoyl azide	Forbidden											
	Benzoyl chloride	8	UN1736	II	8	B2, IB2, T8, TP2, TP13	154	202	242	1 L	30 L	C	40
	Benzoyl bromide	6.1	UN1737	II	6.1, 8	A3, A7, IB2, N33, N34, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40.
	Benzyl chloride	6.1	UN1738	II	6.1, 8	A3, A7, B70, IB2, N33, N42, T8, TP2, TP13	None	202	243	1 L	30 L	D	13, 40.
	Benzyl chloride 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.
Benzyl chloroformate	8	UN1739	I	8	A3, A6, B4, N41, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40	
Benzyl iodide	6.1	UN2653	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	12, 40	
Benzylidimethylamine	8	UN2819	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	25, 40	
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	II	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, IP3, T1, TP33	153	213	240	100 kg	200 kg	A		
Beryllium, powder	6.1	UN1567	II	6.1, 4.1	IB8, IP2, IP4, T3, TP33, WT00	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		
Biological substance, Category B													
Biphenyl triazone	6.2	UN3373			A82	134	199	None	4 L or 4 kg	4 L or 4 kg	A	40	
Bipyridium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2782	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	E		

§ 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	Bromates, inorganic, n.o.s	5.1	UN1450	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, 66, 74, 89, 90
	<i>Bromine azide</i>	Forbidden	UN2901		2, 3, 8,	2, B9, B14, N86	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
+	Bromine chloride	2.3			5.1		None	228	244	Forbidden	Forbidden	D	25, 40, 66, 90
+	Bromine pentafluoride	5.1	UN1745	I	5.1, 6.1, 8	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	249	Forbidden	Forbidden	D	12, 25, 40, 66, 74, 89, 90
+	Bromine solutions	8	UN1744	I	8, 6.1	1, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	227	249	Forbidden	Forbidden	D	12, 25, 40, 66, 74, 89, 90
+	Bromine solutions	8	UN1744	I	8, 6.1	2, B9, B85, N34, N43, T22, TP2, TP10, TP13	None	228	244	Forbidden	Forbidden	D	25, 40, 66, 90
+	Bromine trifluoride	5.1	UN1746	I	5.1, 6.1, 8	2, B9, B14, B32, T22, TP2, TP13, TP38, TP45	None	203	241	60 L	220 L	A	
	<i>4-Bromo-1,2-dinitrobenzene</i>	Forbidden			6.1	IB3, T4, TP1	153	203	242	60 L	220 L	A	
	<i>4-Bromo-1,2-dinitrobenzene (unstable at 59 degrees C)</i>	Forbidden			3	B1, IB3, T2, TP1	150						
	1-Bromo-3-chloropropane	6.1	UN2688	III	6.1								
	1-Bromo-3-methylbutane	3	UN2341	III	3								
	<i>1-Bromo-3-nitrobenzene (unstable at 56 degrees C)</i>	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, 154	154	212	240	15 kg	50 kg	A	
	Bromoacetic acid solution	8	UN1938	II	8	A7, B2, IB2, I7, TP2	154	202	242	1 L	30 L	A	40
	Bromoacetone	6.1	UN1569	III	8	B2, IB3, I7, TP2	154	203	241	5 L	60 L	A	40
+	Bromoacetyl bromide	8	UN2513	II	8	2, T20, TP2, TP13	None	193	245	Forbidden	Forbidden	D	40
						B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 53

Bromobenzene	3	UN2514	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A	12, 25,
Bromobenzyl cyanides, liquid	6.1	UN1694	I	6.1	T14, TP2, TP13, W31	201	243	Forbidden	30 L	D	40, 52
Bromobenzyl cyanides, solid	6.1	UN3449	I	6.1	T6, TP33, W31	211	242	5 kg	50 kg	D	12, 25,
1-Bromobutane	3	UN1126	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	40
2-Bromobutane	3	UN2339	II	3	B1, IB2, T4, TP1	202	242	5 L	60 L	B	40
Bromochloromethane	6.1	UN1887	III	6.1	IB3, T4, TP1	203	241	60 L	220 L	A	40
2-Bromoethyl ethyl ether	3	UN2340	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	40
Bromoform	6.1	UN2515	III	6.1	IB3, T4, TP1	203	241	60 L	220 L	A	12, 25,
Bromomethylpropanes	3	UN2342	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	40
2-Bromopentane	3	UN2343	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	40
Bromopropanes	3	UN2344	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	40
3-Bromopropyne	3	UN2345	III	3	IB3, T2, TP1	203	242	60 L	220 L	A	40
Bromosilane	Forbidden		II	3	IB2, T4, TP1	202	242	5 L	60 L	D	40
Bromotoluene-alpha, see Benzyl bromide											
Bromotrifluoroethylene	2.1	UN2419		2.1		304	314, 315	Forbidden	150 kg	B	40
Bromotrifluoromethane or Refrigerant gas, R 13B1.	2.2	UN1009		2.2	T50	304	314, 315	75 kg	150 kg	A	
Bucine	6.1	UN1570	I	6.1	IB7, IP1, T6, TP33	211	242	5 kg	50 kg	A	25
Bursting, explosive	1.1D	UN0043	.....	1.1D	.....	62	None	Forbidden	Forbidden	04	25, 40
Butadienes, stabilized or Butadienes and Hydrocarbon mixture, stabilized containing more than 40% butadienes	2.1	UN1010	.....	2.1	387, T50	304	314, 315	Forbidden	150 kg	B	
Butane see also Petroleum gases, liquefied	2.1	UN1011		2.1	19, T50	304	314, 315	Forbidden	150 kg	E	40
Butane, butane mixtures and mixtures having similar properties in cartridges each not exceeding 500 grams, see Receptacles, etc											
Butanedione	3	UN2346	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	
1,2,4-Butanetriol trinitrate	Forbidden										
Butanols	3	UN1120	II	3	IB2, T4, TP1, TP29	202	242	5 L	60 L	B	
tert-Butoxycarbonyl azide	Forbidden				B1, IB3, T2, TP1	203	242	60 L	220 L	A	
Butyl acetates	3	UN1123	II	3	IB2, T4, TP1	202	242	5 L	60 L	B	
Butyl acid phosphate	8	UN1718	III	3	B1, IB3, T2, TP1	203	242	60 L	220 L	A	
Butyl acrylates, stabilized	3	UN2348	III	3	IB3, T4, TP1	203	241	5 L	60 L	A	
Butyl alcohols, see Butanols					387, B1, IB3, T2, TP1	203	242	60 L	220 L	C	25
Butyl benzenes	3	UN2709	III	3	B1, IB3, T2, TP2	203	242	60 L	220 L	A	
n-Butyl bromide, see Bromobutane											
n-Butyl chloride, see Chlorobutanes											

§ 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
	n-Butyl chloroformate	6.1	UN2743	I	6.1, 8, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	A	12, 13, 21, 25, 40, 100
	<i>Butyl ethers, see Dibutyl ethers</i> <i>Butyl ethyl ether, see Ethyl butyl ether</i>												
	n-Butyl formate	3	UN1128	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>tert-Butyl hydroperoxide, with more than 90 percent with water</i>	Forbidden											
	<i>tert-Butyl hypochlorite</i>	4.2	UN3255	I	4.2, 8	.....	None	211	243	Forbidden	Forbidden	D	40
	N-n-Butyl imidazole	6.1	UN2690	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	<i>tert-Butyl isocyanate</i>	6.1	UN2484	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	n-Butyl isocyanate	6.1	UN2485	I	6.1, 3	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Butyl mercaptan	3	UN2347	II	3	A3, A6, IB2, T4, TP1	150	202	242	5 L	60 L	D	52, 95, 102
	n-Butyl methacrylate, stabilized	3	UN2227	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25
	Butyl methyl ether	3	UN2350	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Butyl nitrites	3	UN2351	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	40
				II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
	<i>tert-Butyl peroxyacetate, with more than 76 percent in solution</i>	Forbidden											
	<i>n-Butyl peroxydicarbonate, with more than 52 percent in solution</i>	Forbidden											
	<i>tert-Butyl peroxyisobutyrate, with more than 77 percent in solution</i>	Forbidden											
	<i>Butyl phosphoric acid, see Butyl acid phosphates</i>												
	Butyl propionates	3	UN1914	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	12, 25, 40, 127
	5- <i>tert-Butyl</i> -2,4,6-trinitro-m-xylene or Musk xylene	4.1	UN2956	III	4.1	159	None	223	None	Forbidden	Forbidden	D	25, 40
	Butyl vinyl ether, stabilized	3	UN2352	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	40
	n-Butylamine	6.1	UN1125	II	3, 8	IB2, T7, TP1	150	202	242	1 L	5 L	B	40
	N-Butylaniline	6.1	UN2738	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	74

tert-Butylcyclohexylchloroformate	6.1	UN2747	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 13, 25, 40
Butylene, see also Petroleum gases, liquefied	2.1	UN1012	II	2.1	19, T50	306	304	314, 315	Forbiddén	150 kg	E	40
1,2-Butylene oxide, stabilized	3	UN3022	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25, 27, 49
Butylaluenes	6.1	UN2667	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40
Butyltrichlorosilane	8	UN1747	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbiddén	30 L	C	40
1,4-Butyenediol	6.1	UN2716	III	6.1	A1, IB8, IP3, T1, TP33	None	213	240	100 kg	200 kg	C	52, 53, 70
Butyraldehyde	3	UN1129	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	70
Butyraldoxime	3	UN2840	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	12, 25
Butyric acid	8	UN2820	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	12, 25
Butyric anhydride	8	UN2739	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
Butyronitrile	3	UN2411	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
Butyryl chloride	3	UN2353	II	3, 8	IB2, T8, TP2, TP13	150	202	243	1 L	5 L	C	40
Caodylic acid	6.1	UN1572	I	6.1	IB8, IP2, IP4, T3, TP33	None	211	242	25 kg	100 kg	E	52
Cadmium compounds	6.1	UN2570	I	6.1	IB7, IP1, T6, TP33	None	212	242	5 kg	50 kg	A	52
Caesium hydroxide	8	UN2682	III	8	IB8, IP2, IP4, T3, TP33	153	212	240	25 kg	200 kg	A	28, 52, 29, 52
Caesium hydroxide solution	8	UN2681	III	8	IB8, IP2, IP4, T3, TP33	154	202	242	1 L	30 L	A	29, 52
Calcium	4.3	UN1401	II	4.3	B2, IB2, T7, TP2	154	203	241	5 L	60 L	A	29, 52, 13, 52, 148
Calcium arsenate	6.1	UN1573	II	6.1	IB7, IP2, IP21, T3, TP33, W31, W40	151	212	241	15 kg	100 kg	E	148
Calcium arsenate and calcium arsenite, mixtures, solid	6.1	UN1574	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	148
Calcium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.	4.3	UN1402	I	4.3	A1, A8, B55, B59, IB4, IP1, N34, T9, TP7, TP33, W32	None	211	242	Forbiddén	15 kg	B	13, 52, 148
Calcium carbide	4.3	UN1402	I	4.3	A1, A8, B55, B59, IB4, IP1, N34, T9, TP7, TP33, W32	None	211	242	Forbiddén	15 kg	B	13, 52, 148
Calcium chlorate	5.1	UN1452	II	5.1	A1, A8, B55, B59, IB7, IP2, IP21, N34, T3, TP33, W31, W40	151	212	241	15 kg	50 kg	B	13, 52, 148
Calcium chlorate aqueous solution	5.1	UN2429	II	5.1	A9, IB8, IP2, IP4, N34, TP33, W31, W40	152	212	242	5 kg	25 kg	A	56, 58
Calcium chlorite	5.1	UN1453	III	5.1	A2, IB2, N41, T4, TP1	152	202	242	1 L	5 L	B	56, 58, 133
Calcium cyanamide with more than 0.1 percent of calcium carbide	4.3	UN1403	III	4.3	A2, IB2, N41, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 133
Calcium cyanide	6.1	UN1575	I	6.1	A9, IB8, IP2, IP4, N34, TP33	152	212	242	5 kg	25 kg	A	56, 58
					A1, A19, IB8, IP4, T1, TP33, W31, W40	151	213	241	25 kg	100 kg	A	13, 52, 148
					IB7, IP1, N79, N80, T6, TP33, W31	None	211	242	5 kg	50 kg	A	40, 52

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
(1)	Calcium dithionite or Calcium hydro-sulfite	4.2	UN1923	II	4.2	A19, A20, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	E	13
	Calcium hydride	4.3	UN1404	I	4.3	A19, N40, W32	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Calcium hydrosulfite, see Calcium dithionite Calcium hypochlorite, dry, corrosive or Calcium hypochlorite mixture, dry, corrosive with more than 39% available chlorine (8.8% available oxygen)	5.1	UN3485	II	5.1, 8	165, 166, A7, A9, IB8, IP2, IP4, IP13, N34, W9	152	212	None	None	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142
Calcium hypochlorite, dry or Calcium hypochlorite mixture, dry with more than 39% available chlorine (8.8% available oxygen)	5.1	UN1748	II	5.1	165, 166, A7, A9, IB8, IP2, IP4, IP13, N34, W9	152	212	None	None	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142
Calcium hypochlorite, hydrated, cor-rosive or Calcium hypochlorite, hydrated mixture, corrosive with not less than 5.5% but not more than 16% water	5.1	UN3487	II	5.1, 8	165, 171, A7, A9, IB8, IP4, IP13, N34, W9	152	213	240	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142
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	240	5 kg	25 kg	D	4, 25, 52, 56, 58, 69, 142
			III	5.1, 8	165, IB8, IP4, W9	152	213	240	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142
			III	5.1	165, 171, IB8, IP4, IP13, W9	152	213	240	240	25 kg	100 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	UN3486	III	5.1, 8	165, A1, A29, IB8, IP3, IP13, N34, W9, W10	213	240	5 kg	25 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	UN2208	III	5.1	165, A1, A29, IB8, IP3, IP13, N34, W9, W10	213	240	25 kg	100 kg	D	4, 25, 52, 56, 58, 69, 142
Calcium manganese silicon	4.3	UN2844	III	4.3	A1, A19, IB8, IP4, T1, TP33, W31	213	241	25 kg	100 kg	A	13, 52, 85, 103, 148
Calcium nitrate	5.1	UN1454	III	5.1	34, B120, IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	.....
Calcium oxide	8	UN1910	III	8	IB8, IP3, T1, TP33	213	240	25 kg	100 kg	A	56, 58
Calcium perchlorate	5.1	UN1455	II	5.1	IB6, IP2, T3, TP33	212	242	5 kg	25 kg	D	56, 58, 138
Calcium permanganate	5.1	UN1456	II	5.1	IB6, IP2, T3, TP33	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148
Calcium peroxide	5.1	UN1457	II	5.1	IB6, IP2, T3, TP33, W100	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148
Calcium phosphide	4.3	UN1360	I	4.3, 6.1	A8, A19, N40, W32	211	242	Forbidden	15 kg	E	13, 40, 52, 85, 148
Calcium, pyrophoric or Calcium alloys, pyrophoric	4.2	UN1855	I	4.2	W31	187	None	Forbidden	Forbidden	D	13, 148
Calcium resinate	4.1	UN1313	III	4.1	A1, A19, IB6, T1, TP33	213	240	25 kg	100 kg	A	
Calcium resinate, fused	4.1	UN1314	III	4.1	A1, A19, IB4, T1, TP33	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	212	241	15 kg	50 kg	B	13, 52, 85, 103, 148
Camphor oil	3	UN1130	III	3		203	242	60 L	220 L	A	
Camphor, synthetic	4.1	UN2717	III	4.1	B1, IB3, T2, TP1	213	240	25 kg	100 kg	A	
Canon primers, see Primers, tubular											
Capacitor, asymmetric with an energy storage capacity greater than 0.3 Wh	9	UN3508	.....	9	372	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	No limit	No limit	A	
Caproic acid	8	UN2829	III	8	IB3, T4, TP1	203	241	5 L	60 L	A	

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)																																																																																																							
I I	Carbamate pesticides, liquid, flam-mable, toxic, flash point less than 23 degrees C	3	UN2758	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40																																																																																																							
														6.1	UN2992	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40																																																																																											
																										6.1	UN2991	III	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40																																																																															
																																						6.1	UN2757	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40																																																																			
																																																		6.1	UN1362	III	6.1, 3	IB3, T7, TP2, TP28	None	203	242	60 L	220 L	A	40																																																							
																																																														6.1	UN1361	II	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40																																											
																																																																										6.1	UN1013	III	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40																															
																																																																																						6.1	UN2187	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40																			
																																																																																																		6.1	UN1845	I	None	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40							
																																																																																																														6.1	UN1131	III	None	IB8, IP3, T1, TP33	None	213
6.1	UN1016	III	2.2	IB8, IP3, T1, TP33, W31	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																																																								
													6.1	UN1361	II	4.2	IB6, T3, TP33	None	212	242	Forbidden	Forbidden	A	12, 25																																																																																												
																									6.1	UN1361	III	4.2	IB8, IP3, T1, TP33	None	213	241	Forbidden	Forbidden	A	12, 25																																																																																
																																					6.1	UN1013	II	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																			
																																																		6.1	UN2187	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																							
																																																														6.1	UN1845	I	None	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																											
																																																																										6.1	UN1131	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																															
																																																																																						6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																			
																																																																																																		6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A							
																																																																																																														6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213
6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																																																								
													6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																																																												
																									6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																																																
																																					6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																			
																																																		6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																							
																																																														6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																											
																																																																										6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																															
																																																																																						6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																			
																																																																																																		6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A							
																																																																																																														6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213
6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																																																								
													6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																																																												
																									6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																																																
																																					6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																			
																																																		6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																							
																																																														6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																											
																																																																										6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																															
																																																																																						6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																			
																																																																																																		6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A							
																																																																																																														6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213
6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																																																								
													6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																																																												
																									6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																																																
																																					6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																			
																																																		6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																							
																																																														6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																											
																																																																										6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																															
																																																																																						6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																			
																																																																																																		6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A							
																																																																																																														6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213
6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																																																								
													6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																																																												
																									6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																																																
																																					6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																			
																																																		6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																							
																																																														6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																											
																																																																										6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																															
																																																																																						6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																			
																																																																																																		6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A							
																																																																																																														6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213
6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																																																								
													6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																																																												
																									6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																																																
																																					6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A	12, 25																																																																			
																																																		6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																																							
																																																														6.1	UN1016	III	2.2	IB8, IP3, T1, TP33	None	213	241	0.5 kg	Forbidden	Forbidden	A																																											

D	Description	2.3	UN	Class	2.3, 2.1	4, T75, TP5	None	316	318	Forbidden	Forbidden	D	25	
													25	40
	Carbon monoxide, refrigerated liquid (<i>cyrogenic liquid</i>)	2.3	NA9202	.....	2.3, 2.1	4, T75, TP5	None		318	Forbidden	Forbidden	D	25	40
	Carbon tetrabromide	6.1	UN2516	.....	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	25	40
	Carbon tetrachloride	6.1	UN1846	.....	6.1	IB2, N36, T7, TP2	153	202	243	5 L	60 L	A	25	40
	Carbonyl chloride, see Phosgene													
	Carbonyl fluoride	2.3	UN2417	.....	2.3, 8	2	None	302	None	Forbidden	Forbidden	D	40	40
	Carbonyl sulfide	2.3	UN2204	.....	2.3, 2.1	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40	40
	Cartridge cases, empty primed, see primer													
	Cartridges, actuating, for aircraft ejection seat catapult, fire extinguisher, canopy removal or apparatus, see Cartridges, power device													
	Cartridges, explosive, see Charges, demolition													
	Cartridges, sporting, see Cartridges for weapons, inert projectile, or Cartridges, small arms													
	Cartridges, flash	1.1G	UN0049	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25	25
	Cartridges, flash	1.3G	UN0050	.....	1.3G	.....	None	62	None	Forbidden	75 kg	03	25	25
	Cartridges for weapons, blank	1.1C	UN0326	.....	1.1C	.....	None	62	None	Forbidden	Forbidden	04	25	25
	Cartridges for weapons, blank	1.2C	UN0413	.....	1.2C	.....	None	62	None	Forbidden	Forbidden	04	25	25
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.3C	UN0327	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25	25
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.4C	UN0338	.....	1.4C	.....	None	62	None	Forbidden	75 kg	02	25	25
	Cartridges for weapons, blank or Cartridges, small arms, blank or Cartridges, small arms, blank or Cartridges for tools, blank	1.4S	UN0014	.....	None	.....	63	62	None	25 kg	100 kg	01	25	25
	Cartridges for weapons, inert projectile	1.2C	UN0328	.....	1.2C	.....	None	62	62	Forbidden	Forbidden	04	25	25
	Cartridges for weapons, inert projectile or Cartridges, small arms	1.4S	UN0012	.....	None	.....	63	62	None	25 kg	100 kg	01	25	25
	Cartridges for weapons, inert projectile or Cartridges, small arms	1.4C	UN0339	.....	1.4C	.....	None	62	None	Forbidden	75 kg	02	25	25
	Cartridges for weapons, inert projectile or Cartridges, small arms	1.3C	UN0417	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25	25
	Cartridges for weapons, with bursting charge	1.1F	UN0005	.....	1.1F	.....	None	62	None	Forbidden	Forbidden	05	25	25
	Cartridges for weapons, with bursting charge	1.1E	UN0006	.....	1.1E	.....	None	62	62	Forbidden	Forbidden	04	25	25
	Cartridges for weapons, with bursting charge	1.2F	UN0007	.....	1.2F	.....	None	62	None	Forbidden	Forbidden	05	25	25
	Cartridges for weapons, with bursting charge	1.2E	UN0321	.....	1.2E	.....	None	62	62	Forbidden	Forbidden	04	25	25
	Cartridges for weapons, with bursting charge	1.4F	UN0348	.....	1.4F	.....	None	62	None	Forbidden	Forbidden	05	25	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)		
D	Cartridges for weapons, with burst-ing charge	1.4E	UN0412	.....	1.4E	.....	.....	None	62	62	Forbidden	75 kg	03	25
	Cartridges, oil well	1.3C	UN0277	.....	1.3C	.....	.....	None	62	62	Forbidden	Forbidden	04	25
	Cartridges, oil well	1.4C	UN0278	.....	1.4C	.....	.....	None	62	62	Forbidden	75 kg	04	25
	Cartridges, power device	1.3C	UN0275	.....	1.3C	.....	.....	None	62	62	Forbidden	75 kg	04	25
	Cartridges, power device	1.4C	UN0276	.....	1.4C	.....	110	None	62	62	Forbidden	75 kg	02	25
	Cartridges, power device	1.4S	UN0323	.....	1.4S	.....	110, 347	63	62	62	25 kg	100 kg	01	25
	Cartridges, power device (used to project fastening devices)	1.2C	UN0381	.....	1.2C	.....	.....	None	62	62	Forbidden	Forbidden	04	25
	Cartridges, safety, blank, see Car-tridges for weapons, blank (UN 0014)	ORIM-D		.....		None	222	63	None	None	30 kg gross	Forbidden	A	
	Cartridges, safety, see Cartridges for weapons, blank (UN 0014)														
	Cartridges, inert projectile, or Car-tridges, small arms or Cartridges, power device (UN 0323)														
D	Cartridges, signal	1.3G	UN0054	.....	1.3G	.....	.....	None	62	None	Forbidden	75 kg	03	25
	Cartridges, signal	1.4G	UN0312	.....	1.4G	.....	.....	None	62	None	Forbidden	75 kg	02	25
	Cartridges, signal	1.4S	UN0405	.....	1.4S	.....	.....	None	62	None	25 kg	100 kg	01	25
	Cartridges, small arms	ORIM-D		.....	None	.....	222	63	None	None	30 kg gross	Forbidden	A	
	Cartridges, starter, jet engine, see Cartridges, power device														
	Cases, cartridge, empty with primer	1.4S	UN0055	.....	1.4S	.....	50	63	62	None	25 kg	100 kg	01	25
	Cases, cartridges, empty with prim-er	1.4C	UN0379	.....	1.4C	.....	50	None	62	62	Forbidden	75 kg	02	25
	Cases, combustible, empty, without primer	1.4C	UN0446	.....	1.4C	.....	.....	None	62	62	Forbidden	75 kg	02	25
	Cases, combustible, empty, without primer	1.3C	UN0447	.....	1.3C	.....	.....	None	62	62	Forbidden	Forbidden	04	25
	Casing/head gasoline see Gasoline														
A W	Castor beans or Castor meal or Castor pomace or Castor flake	9	UN2969	II	None	IB8, IP2, IP4, T3, TP33	155	204	240	None	No limit	No limit	E	34, 40, 44, 122	
	Catecholborane	8	UN1719	.....	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L		A	29, 52
G	Caustic alkali liquids, n.o.s.	8	UN1719	III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L		A	29, 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)
	Charges, shaped, <i>without detonator</i>	1.4D	UN0440	.....	1.4D	.....	None	62	None	Forbidden	75 kg	02	25
	Charges, shaped, <i>with detonator</i>	1.4S	UN0441	.....	1.4S	347	None	62	None	Forbidden	100 kg	01	25
	Charges, supplementary explosive	1.1D	UN0060	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
D	Chemical kit	8	NA1760	II	8	.....	154	161	None	1 L	30 L	B	40
	Chemical kits	9	UN3316	III	9	15	161	161	None	10 kg	10 kg	A	40
	Chemical under pressure, corrosive, n.o.s	2.2	UN3503	.....	2.2, 8	362, T50, TP40	None	335	313, 315	Forbidden	100 kg	D	40
G	Chemical under pressure, flammable, corrosive, n.o.s	2.1	UN3505	.....	2.1, 8	362, T50, TP40	None	335	313, 315	Forbidden	75 kg	D	40
G	Chemical under pressure, flammable, n.o.s	2.1	UN3501	.....	2.1	362, T50, TP40	None	335	313, 315	Forbidden	75 kg	D	40
G	Chemical under pressure, flammable, toxic, n.o.s	2.1	UN3504	.....	2.1, 6.1	362, T50, TP40	None	335	313, 315	Forbidden	75 kg	D	40
G	Chemical under pressure, n.o.s	2.2	UN3500	.....	2.2	362, T50, TP40	None	335	313, 315	75 kg	150 kg	B	40
G	Chemical under pressure, toxic, n.o.s	2.2	UN3502	.....	2.2, 6.1	362, T50, TP40	None	335	313, 315	Forbidden	100 kg	D	40
	Chloral, anhydrous, stabilized	6.1	UN2075	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	40
	Chlorate and borate mixtures	5.1	UN1458	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
	Chlorate and magnesium chloride mixture solid	5.1	UN1459	III	5.1	A9, IB8, IP3, N34, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
	Chlorate and magnesium chloride mixture solution	5.1	UN3407	III	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
	<i>Chlorate of potash, see Potassium chlorate</i>												
	<i>Chlorate of soda, see Sodium chlorate</i>												
G	Chlorates, inorganic, aqueous solution, n.o.s	5.1	UN3210	II	5.1	A9, IB2, N34, T4, TP1	152	202	242	1 L	5 L	A	56, 58, 133
						A9, IB2, N34, T4, TP1	152	203	241	2.5 L	30 L	A	56, 58, 133
						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	5.1	UN2626	II	5.1	351, A9, IB6, IP2, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Chloride of phosphorus, see Phosphorus trichloride	5.1		II	5.1	IB2, T4, TP1, W31	None	229	None	Forbidden	Forbidden	D	56, 58
	Chloride of sulfur, see Sulfur chloride												
	Chlorinated lime, see Calcium hypochlorite mixtures, etc												
	Chlorine	2.3	UN1017		2.3, 5.1, 8	2, B9, B14, N86, T50, TP19	None	304	314, 315	Forbidden	Forbidden	D	40, 51, 55, 62, 68, 89, 90
	Chlorine, adsorbed	2.3	UN3520	.....	2.3, 5.1, 8	2, B9, B14, N86	None	302c	None	Forbidden	Forbidden	D	40, 89, 90
	Chlorine azide	Forbidden	NA9191	II	5.1, 6.1		None	229	None	Forbidden	Forbidden	E	
	Chlorine dioxide, hydrate, frozen	5.1											
	Chlorine dioxide (not hydrate)	Forbidden	UN2548		2.3, 5.1, 8	1, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90
Chlorine pentafluoride	2.3	UN1749		2.3, 5.1, 8	2, B7, B9, B14, N86	None	304	314	Forbidden	Forbidden	D	40, 89, 90	
Chlorine trifluoride	2.3	UN1908	II	8	A3, A6, A7, B2, IB2, N34, T7, TP2, TP24	154	202	242	1 L	30 L	B	26, 44, 89, 100, 141	
Chlorite solution	8			8	A3, A6, A7, B2, IB3, N34, T4, TP2, TP24	154	203	241	5 L	60 L	B	26, 44, 89, 100, 141	
G	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	56, 58
	1-Chloro-1,1-difluoroethane or Refrigerant gas R 142b	2.1	UN2517		2.1	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		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	

§ 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)	
+	4-Chloro-o-toluidine solution 1-Chloro-2,2,2-trifluoroethane Refrigerant gas R 133a Chloroacetic acid, molten Chloroacetic acid, solid Chloroacetic acid, solution Chloroacetone, stabilized Chloroacetone (unstabilized) Chloroacetonitrile Chloroacetophenone, liquid, (CN) Chloroacetophenone, solid, (CN) Chloroacetyl chloride Chloroanilines, liquid Chloroanilines, solid Chloroanisidines Chlorobenzene Chlorobenzol, see Chlorobenzene Chlorobenzotrifluorides Chlorobenzyl chlorides, liquid Chlorobenzyl chlorides, solid Chlorobutanes Chlorocresols solution Chlorocresols, solid Chlorodifluorobromomethane or Re-frigerant gas R 12B1	6.1	UN3410	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
		2.2	UN1983		2.2	T50	306	304	314, 315	75 kg	150 kg		A	
		6.1	UN3250	II	6.1, 8	IB1, T7, TP3, TP28	None	202	202	243	Forbidden	Forbidden	C	40
		6.1	UN1751	II	6.1, 8	A3, A7, IB8, IP2, IP4, N34, T3, TP33	153	212	242	243	15 kg	50 kg	C	40
		6.1	UN1750	II	6.1, 8	A7, IB2, N34, T7, TP2	153	202	202	243	1 L	30 L	C	40
		6.1	UN1695	I	6.1, 3, 8	2, B9, B14, B32, N12, N32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	244	Forbidden	Forbidden	D	21, 40, 100
		6.1	UN2668	I	6.1, 3	2, B9, B14, B32, IB9, T20, TP2, TP13, TP38, TP45	None	227	244	244	Forbidden	Forbidden	A	12, 25, 40, 52
		6.1	UN3416	II	6.1	A3, IB2, N12, N32, N33, T7, TP2, TP13	None	202	202	243	Forbidden	60 L	D	12, 25, 40
		6.1	UN1697	II	6.1	A3, IB8, IP2, IP4, N12, N32, N33, N34, T3, TP2, TP13, TP33	None	212	212	None	Forbidden	100 kg	D	12, 25, 40
		6.1	UN1752	I	6.1, 8	2, B3, B8, B9, B14, B32, B77, N34, N43, T20, TP2, TP13, TP38, TP45	None	227	244	244	Forbidden	Forbidden	D	40
		6.1	UN2019	II	6.1	IB2, T7, TP2	153	202	202	243	5 L	60 L	A	52
		6.1	UN2018	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	242	25 kg	100 kg	A	
		6.1	UN2233	III	6.1	IB8, IP3, T1, TP33	153	213	240	240	100 kg	200 kg	A	
		3	UN1134	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A	
		3	UN2234	III	3	B1, IB3, T2, TP1	150	203	242	242	60 L	220 L	A	40
6.1	UN2235	III	6.1	IB3, T4, TP1	153	203	241	241	60 L	220 L	A			
6.1	UN3427	III	6.1	IB8, IP3, T1, TP33	153	213	240	240	100 kg	200 kg	A			
3	UN1127	III	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B			
6.1	UN2669	III	6.1	IB2, T7, TP2	153	202	243	243	5 L	60 L	A	12, 25		
6.1	UN3437	II	6.1	IB3, T7, TP2	153	203	241	241	60 L	220 L	A	12, 25		
2.2	UN1974	II	2.2	IB8, IP2, IP4, T3, TP33	153	212	242	242	25 kg	100 kg	A	12, 25		
							304	314, 315	75 kg	150 kg	A			

Description	UN1973	Hazard Class	Packing Group	T50	T50	314, 315	75 kg	150 kg	A	Restrictions
Chlorodifluoromethane and chloropentafluoroethane mixture or Refrigerant gas R. 502 with fixed boiling point, with approximately 49 percent chlorodifluoromethane	2.2	UN1973								
Chlorodifluoromethane or Refrigerant gas R. 22	2.2	UN1018		T50	306	304	75 kg	150 kg	A	314, 315
Chlorodinitrobenzenes, liquid.	6.1	UN1577	II	IB2, T7, TP2	153	202	5 L	60 L	B	91
Chlorodinitrobenzenes, solid	6.1	UN3441	II	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A	91
2-Chloroethanal	6.1	UN2232	I	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	Forbidden	Forbidden	D	40
Chloroform	6.1	UN1888	III	IB3, N36, T7, TP2	153	203	60 L	220 L	A	40
Chloroformates, toxic, corrosive, flammable, n.o.s.	6.1, 8, 3	UN2742	II	5, IB1, T7, TP2	153	202	1 L	30 L	A	12, 13, 21, 25, 40, 100
Chloroformates, toxic, corrosive, n.o.s.	6.1, 8	UN3277	II	IB2, T8, TP2, TP13, TP28	153	202	1 L	30 L	A	12, 13, 25, 40
Chloromethyl chloroformate	6.1	UN2745	II	IB2, T7, TP2, TP13	153	202	1 L	30 L	A	12, 13, 25, 40
Chloromethyl ethyl ether	3	UN2354	II	IB2, T7, TP1, TP13	150	202	1 L	60 L	E	40
Chloronitroanilines	6.1	UN2237	III	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A	44, 89, 100, 141
Chloronitrobenzenes, liquid	6.1	UN3409	II	IB2, T7, TP2	153	202	5 L	60 L	A	44, 89, 100, 141
Chloronitrobenzenes, solid	6.1	UN1578	II	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A	44, 89, 100, 141
Chloronitrotoluenes, liquid	6.1	UN2433	III	IB3, T4, TP1	153	203	60 L	220 L	A	44, 89, 100, 141
Chloronitrotoluenes, solid	6.1	UN3457	III	IB8, IP3, T1, TP33	153	213	25 kg	200 kg	A	44, 89, 100, 141
Chloropentafluoroethane or Refrigerant gas R. 115	2.2	UN1020		T50	306	304	75 kg	150 kg	A	314, 315
Chloroprenolates, liquid or Phenolates, liquid	8	UN2904	III	IB3	154	203	5 L	60 L	A	315
Chlorophenolates, solid or Phenolates, solid	8	UN2905	III	IB8, IP3, T1, TP33	154	213	25 kg	100 kg	A	240
Chlorophenols, liquid	6.1	UN2021	III	IB3, T4, TP1	153	203	60 L	220 L	A	241
Chlorophenols, solid	6.1	UN2020	III	IB8, IP3, T1, TP1, TP33	153	213	100 kg	200 kg	A	240
Chlorophenyltrichlorosilane	8	UN1753	II	A7, B2, B6, N34, T10, TP2, TP7	None	206	Forbidden	30 L	C	40
Chloropicrin	6.1	UN1580	I	2, B7, B9, B14, B32, B46, T22, TP2, TP13, TP38, TP45	None	227	Forbidden	Forbidden	D	40
Chloropicrin and methyl bromide mixtures	2.3	UN1581		2, B9, B14, N86, T50	None	193	Forbidden	Forbidden	D	25, 40
Chloropicrin and methyl chloride mixtures	2.3	UN1582		2, N86, T50	None	193	Forbidden	Forbidden	D	25, 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	Chloropicrin mixture, flammable (pressure not exceeding 14.7 psia at 115 degrees F flash point below 100 degrees F) see Toxic liquids, flammable, etc	6.1	UN1583	I	6.1	5 IB2 IB3	None	201	243	Forbidden	Forbidden	C	40																					
														153	202	243	Forbidden	Forbidden	C	40														
														155	203	241	Forbidden	Forbidden	C	40														
														None	227	244	Forbidden	Forbidden	B	40														
														D	Chloropivaloyl chloride	6.1	NA9263	I	6.1, 8	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	213	240	25 kg	100 kg	A	25, 40							
																												154	201	243	Forbidden	30 L	D	
																												None	201	243	Forbidden	30 L	D	25, 40
																												None	202	242	Forbidden	60 L	E	
														G	Chloropropene, uninhibited	3	UN1278	II	3	IB2, IP8, N34, T7, TP2	None	202	242	Forbidden	60 L	E	40							
																												3	201	243	Forbidden	30 L	E	
3	201	243	Forbidden	30 L	E																													
6.1	203	241	Forbidden	220 L	A																													
3	201	243	Forbidden	1 L	E																													
3	201	243	Forbidden	1 L	E																													
8	203	241	Forbidden	5 L	A	8																												
8	202	243	Forbidden	5 L	A	40																												
8	206	243	Forbidden	30 L	C	40																												
8	206	242	Forbidden	30 L	C	40																												
G	Chlorosilanes, corrosive, n.o.s	3	UN2985	II	3, 8	T14, TP2, TP7, TP13, TP27	None	206	243	Forbidden	5 L	B	40																					
														3	206	243	Forbidden	30 L	C	40, 125														
														6.1	206	243	Forbidden	30 L	C	40														
														6.1	206	243	Forbidden	30 L	C	40														
G	Chlorosilanes, toxic, corrosive, flammable, n.o.s	4.3	UN2988	I	4.3, 3, 8	A2, T14, TP2, TP7, TP27, TP13, W31	None	201	244	Forbidden	1 L	D	13, 21, 40, 49, 100, 147, 148																					
														3	201	244	Forbidden	1 L	D	13, 21, 40, 49, 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																					
														3	203	242	Forbidden	220 L	A															
	Chlorotoluenes	3	UN2238	III	3	B1, B3, T2, TP1	150	203	242	220 L	A																							

Chlorotoluidines, liquid	6.1	UN3429	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Chlorotoluidines, solid	6.1	UN2239	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Chlorotrifluoromethane and trifluoromethane azeotropic mixture or Refrigerant gas R 503 with approximately 60 percent chlorotrifluoromethane	2.2	UN2599		2.2		306	304	314, 315	75 kg	150 kg	A	
Chlorotrifluoromethane or Refrigerant gas R 13	2.2	UN1022		2.2		306	304	314, 315	75 kg	150 kg	A	40, 44, 89, 100, 141
Chromic acid solution	8	UN1755	II	8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40, 44, 89, 100, 141
			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	40, 44, 89, 100, 141
<i>Chromic anhydride, see Chromium trioxide, anhydrous</i>												
Chromic fluoride, solid	8	UN1756	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
Chromic fluoride, solution	8	UN1757	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	
			III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
Chromium nitrate	5.1	UN2720	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
Chromium oxychloride	8	UN1758	I	8	A3, A6, A7, B10, N34, T10, TP2	None	201	243	0.5 L	2.5 L	C	40, 66, 74, 89, 90
Chromium trioxide, anhydrous	5.1	UN1463	II	5.1, 6.1, 8	IB8, IP2, IP4, T3, TP33, W31	None	212	242	5 kg	25 kg	A	66, 90
Chromosulfuric acid	8	UN2240	I	8	A3, A6, A7, B4, B6, N34, T10, TP2, TP13	None	201	243	0.5L	2.5L	B	40, 66, 74, 89, 90
<i>Chromyl chloride, see Chromium oxychloride</i>												
<i>Cigar and cigarette lighters, charged with fuel, see Lighters or Lighter refills containing flammable gas.</i>												
Coal briquettes, hot	Forbidden											
Coal gas, compressed	2.3	UN1023		2.3, 2.1	3	None	302	314, 315	Forbidden	Forbidden	D	40
Coal tar distillates, flammable	3	UN1136	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
			III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	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>												

§ 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)
	Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3	UN1139	I	3	T11, TP1, TP8, TP27	150	201	243	1 L	30 L	E	.....
				II	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	B	.....
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	.....
	Cobalt naphthenates, powder	4.1	UN2001	III	4.1	A19, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	.....
	Cobalt resinates, precipitated	4.1	UN1318	III	4.1	A1, A19, IB6, T1, TP33	151	213	240	25 kg	100 kg	A	.....
	Coke, hot	Forbidden											
	Collodion, see Nitrocellulose etc												
D G	Combustible liquid, n.o.s.	Comb liq	NA1993	III	None	148, IB3, T1, TP1	150	203	241	60 L	220 L	A	.....
G	Components, explosive train, n.o.s.	1.2B	UN0382	.....	1.2B	101	None	62	None	Forbidden	Forbidden	05	25
G	Components, explosive train, n.o.s.	1.4B	UN0383	.....	1.4B	101	None	62	None	Forbidden	75 kg	05	25
G	Components, explosive train, n.o.s.	1.4S	UN0384	.....	1.4S	101	None	62	None	25 kg	100 kg	01	25
G	Components, explosive train, n.o.s.	1.1B	UN0461	.....	1.1B	101	None	62	None	Forbidden	Forbidden	05	25
D G	Compositor B, see Hexollite, etc												
D G	Compounds, cleaning liquid	8	NA1760	I	8	A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
				II	8	386, B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
				III	8	386, IB3, N37, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
D G	Compounds, cleaning liquid	3	NA1993	I	3	T11, TP1	150	201	243	1 L	30 L	E	.....
				II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	40
				III	3	B1, B52, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	.....
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
				II	8	B2, IB2, N37, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
				III	8	IB3, N37, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
D G	Compounds, tree killing, liquid or Compounds, weed killing, liquid	3	NA1993	I	3	T11, TP1	150	201	243	1 L	30 L	E	.....
				II	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	40
				III	3	B1, B52, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	.....

D G	6.1	NA2810	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Compounds, tree killing, liquid or Compounds, weed killing, liquid			II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
			III	6.1	IB3, T7, TP1, TP28	306	203	241	60 L	220 L	A	40
Compressed gas, flammable, n.o.s.	2.1	UN1954		2.1			302, 305	314, 315	Forbidden	150 kg	D	40
Compressed gas, n.o.s	2.2	UN1956		2.2		306, 307	302, 305	314, 315	75 kg	150 kg	A	
Compressed gas, oxidizing, n.o.s.	2.2	UN3156		2.2, 5.1	A14	306	302	314, 315	75 kg	150 kg	D	
Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3304		2.3, 8	1	None	192	245	Forbidden	Forbidden	D	40
Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3304		2.3, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C	2.3	UN3304		2.3, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
Compressed gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone D	2.3	UN3304		2.3, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3305		2.3, 2.1, 8	1	None	192	245	Forbidden	Forbidden	D	17, 40
Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3305		2.3, 2.1, 8	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone C	2.3	UN3305		2.3, 2.1, 8	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone D	2.3	UN3305		2.3, 2.1, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
Compressed gas, toxic, flammable, n.o.s. Inhalation hazard Zone A	2.3	UN1953		2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
Compressed gas, toxic, flammable, n.o.s. Inhalation hazard Zone B	2.3	UN1953		2.3, 2.1	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
Compressed gas, toxic, flammable, n.o.s. Inhalation Hazard Zone C	2.3	UN1953		2.3, 2.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
Compressed gas, toxic, flammable, n.o.s. Inhalation Hazard Zone D	2.3	UN1953		2.3, 2.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
Compressed gas, toxic, n.o.s. Inhalation Hazard Zone A	2.3	UN1955		2.3	1	None	192	245	Forbidden	Forbidden	D	40
Compressed gas, toxic, n.o.s. Inhalation Hazard Zone B	2.3	UN1955		2.3	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
Compressed gas, toxic, n.o.s. Inhalation Hazard Zone C	2.3	UN1955		2.3	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
Compressed gas, toxic, n.o.s. Inhalation Hazard Zone D	2.3	UN1955		2.3	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
Compressed gas, toxic, oxidizing, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3306		2.3, 5.1, 8	1	None	192	244	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	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	156, 306, 167	None	Forbidden	Forbidden	A	
G	Consumer commodity	9	ID8000		9		None	167	None	30 kg gross	30 kg gross		
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 acetylacetonate	Forbidden											
	Copper amine azide	Forbidden											
	Copper arsenite	6.1	UN1586	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Copper based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2776	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
				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	5 L	60 L	B	40			
				III	6.1	IB3, T7, TP2, TP28	153	241	60 L	220 L	A	40			
				I	6.1, 3	T14, TP2, TP13, TP27	None	201	1 L	30 L	B	40			
	Copper based pesticides, solid, toxic	6.1	UN2775	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	5 L	60 L	B	40			
				III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	60 L	220 L	A	40			
	Copper chlorate	5.1	UN2721	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A	40			
				III	6.1	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A	40			
	Copper chloride	8	UN2802	II	5.1	A1, IB8, IP2, IP4, T3, TP33	152	212	5 kg	25 kg	A	56, 58			
				III	8	IB8, IP3, T1, TP33	154	213	25 kg	100 kg	A	52			
Copper selenate, see Selenates or Selenites	6.1	UN1587	II	6.1	IB8, IP2, IP4, T3, TP33	153	204	25 kg	100 kg	A	52				
			Forbiddn												
Copper tetramine nitrate	4.2	UN1363	III	4.2	IB8, IP3, IP7	None	213	241	Forbiddn	Forbiddn	A	13, 25, 119			
			Cord, detonating, flexible	1.1D	102, 148	63(a)	62	None	Forbiddn	Forbiddn	04	25		
				1.4D	148	None	62	None	Forbiddn	Forbiddn	02	25		
				1.2D	None	62	None	Forbiddn	Forbiddn	04	25		
			Cord, detonating or Fuse, deto- nating metal clad	1.1D	UN0290	1.1D	None	62	None	Forbiddn	Forbiddn	04	25
						1.4D	None	62	None	Forbiddn	Forbiddn	02	25
			Fuse, detonating, mild effect metal clad	1.4D	UN0104	1.4D	None	62	None	Forbiddn	75 kg	02	25
						1.4G	None	62	None	Forbiddn	75 kg	02	25
			Cord, igniter	1.4G	UN0066	1.4G	None	62	None	Forbiddn	75 kg	02	25
						Cordeau, detonant fuse, see Cord, detonating, etc; Cord, detonating, flexible	8	UN3264	I	8	A6, B10, T14, TP2, TP27	None	201	0.5 L	2.5 L	B	40
II	8	386, B2, IB2, T11, TP2, TP27	154	202	1 L				30 L	B	40				
Cordite, see Powder, smokeless	8	UN3265	III	8	IB3, T7, TP1, TP28	154	203	5 L	60 L	A	40				
			I	8	A6, B10, T14, TP2, TP27	None	201	0.5 L	2.5 L	B	40				
Corrosive liquid, acidic, organic, n.o.s	8	UN3265	II	8	148, B2, IB2, T11, TP2, TP27	154	202	1 L	30 L	B	40				
			III	8	386, IB3, T7, TP1, TP28	154	203	5 L	60 L	A	40				

A W

§ 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 liquid, basic, inorganic, n.o.s.	8	UN3266	I	8	A6, 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
G	Corrosive liquid, basic, organic, n.o.s.	8	UN3267	III	8	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40, 52
				I	8	A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40, 52
G	Corrosive liquid, self-heating, n.o.s.	8	UN3301	III	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 liquids, flammable, n.o.s.	8	UN2920	I	8, 4, 2	A6, B10	None	201	243	0.5 L	2.5 L	D	40, 52
				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	II	8, 3	B2, IB2, T11, TP2, TP27	154	202	243	1 L	30 L	C	25, 40
				I	8	A6, A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	40
G	Corrosive liquids, oxidizing, n.o.s.	8	UN3093	III	8	B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	B	40
				III	8, 5, 1	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	40
G	Corrosive liquids, toxic, n.o.s.	8	UN2922	II	8, 5, 1	A6, A7	None	201	243	Forbidden	2.5 L	C	89
				I	8, 6, 1	A6, A7, IB2	None	202	243	1 L	30 L	C	88
				II	8, 6, 1	A6, A7, B10, T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L	B	40
G	Corrosive liquids, water-reactive, n.o.s.	8	UN3094	III	8, 6, 1	B3, IB2, T7, TP2	154	202	243	1 L	30 L	B	40
				III	8, 6, 1	IB3, T7, TP1, TP28	154	203	241	5 L	60 L	B	40
				I	8, 4, 3	A6, A7	None	201	243	Forbidden	1 L	E	13, 148
G	Corrosive solid, acidic, inorganic, n.o.s.	8	UN3260	II	8, 4, 3	IB7, IP1, T6, TP33	None	202	243	1 L	5 L	E	13, 148
				I	8	None	None	211	242	1 kg	25 kg	B	
G	Corrosive solid, acidic, organic, n.o.s.	8	UN3261	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	
				III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
				I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	
G	Corrosive solid, basic, inorganic, n.o.s.	8	UN3262	III	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	
				III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
				I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	B	52
				II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	B	52

G	Corrosive solid, basic, organic, n.o.s.	8	UN3263	III	8	IB8, IP3, T1, TP33 IB7, IP1, T6, TP33	154 None	213 211	240 242	25 kg 1 kg	100 kg 25 kg	A B	52 52
G	Corrosive solids, flammable, n.o.s.	8	UN2921	III	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 12, 25 12, 25
G	Corrosive solids, n.o.s.	8	UN1759	II	8, 4.1 8, 4.1 8	IB8, IP2, IP4, T3, TP33 IB7, IP1, T6, TP33 128, IB8, IP2, IP4, T3, TP33	None None 154	211 212 212	242 242 240	1 kg 1 kg 15 kg	25 kg 25 kg 50 kg	B B A	
G	Corrosive solids, oxidizing, n.o.s.	8	UN3084	III	8	128, IB8, IP3, T1, TP33 IB6, IP2, T3, TP33	154 None	213 211	240 242	25 kg 1 kg	100 kg 50 kg	C C	
G	Corrosive solids, self-heating, n.o.s.	8	UN3095	II	8, 5.1 8, 4.2	IB6, IP2, T3, TP33 IB6, IP2, T3, TP33	None None	212 211	242 243	15 kg 1 kg	50 kg 50 kg	C C	
G	Corrosive solids, toxic, n.o.s.	8	UN2923	II	8, 4.2 8, 6.1	IB6, IP2, T3, TP33 IB7, T6, TP33	None None	212 211	242 240	15 kg 1 kg	25 kg 25 kg	B B	40 40
G	Corrosive solids, water-reactive, n.o.s.	8	UN3096	III	8, 6.1 8, 6.1 8, 4.3	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 IB4, IP1, T6, TP33	154 154 None	213 213 211	240 240 243	15 kg 25 kg 1 kg	100 kg 25 kg 25 kg	B B D	40 40 13, 148
D W A I W	Cotton Cotton waste, oily Cotton, wet Coumarin derivative pesticides, liq-uid, flammable, toxic, flash point less than 23 degrees C	9 4.2 4.2 3	NA1365 UN1364 UN1365 UN3024	II III III I	8, 4.3 9 4.2 4.2 3, 6.1	IB6, IP2, T3, TP33, W100 137, IB8, IP2, IP4, W41 IB8, IP3, IP7 IB8, IP3, IP7 T14, TP2, TP13, TP27	None None None None	212 None 213 204 201	242 None None 241 243	15 kg No limit No limit Forbidden Forbidden	50 kg No limit Forbidden Forbidden 30 L	D A A B	40 54 40
	Coumarin derivative pesticides, liq-uid, toxic	6.1	UN3026	II	6.1, 3	IB2, T11, TP2, TP13, TP27 T14, TP2, TP13, TP27	150 None	202 201	243 243	1 L 1 L	60 L 30 L	B B	40 40
	Coumarin derivative pesticides, liq-uid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3025	II III I	6.1 6.1 6.1, 3	IB2, T11, TP2, TP27 IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 T14, TP2, TP13, TP27	153 153 153 None	202 202 203 201	243 241 243	5 L 60 L 1 L	60 L 220 L 30 L	B A B	40 40 40
	Coumarin derivative pesticides, solid, toxic	6.1	UN3027	II III I	6.1, 3 6.1, 3 6.1	IB2, T11, TP2, TP13, TP27 B1, IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	153 153 None	202 203 211	243 242 242	5 L 60 L 5 kg	60 L 220 L 50 kg	B A A	40 40 40
	Cresols, liquid	6.1	UN2076	II III II	6.1 6.1, 8 6.1, 8	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33	153 153	212 213	242 240	25 kg 100 kg	100 kg 200 kg	A A	40 40
	Cresols, solid	6.1	UN3455	II II	6.1, 8 6.1, 8	IB2, IP2, IP4, T7, TP2 IB8, IP2, IP4, T3, TP33	153 153	202 212	243 242	1 L 15 kg	30 L 50 kg	B B	
	Cresylic acid	6.1	UN2022	I	6.1, 8	IB2, T7, TP2, TP13 2, 175, 387, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	153 None	202 227	242 244	1 L Forbidden	30 L Forbidden	D D	25, 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	Crotonic acid, liquid Crotonic acid, solid Crotonylene Cupriethylenediamine solution Cutters, cable, explosive Cyanide or cyanide mixtures, dry, see Cyanides, inorganic, solid, n.o.s. Cyanide solutions, n.o.s. Cyanides, inorganic, solid, n.o.s. Cyanogen Cyanogen bromide Cyanogen chloride, stabilized Cyanuric chloride Cyanuric triazide Cyclobutane Cyclobutyl chloroformate 1,5,9-Cyclododecatriene Cycloheptane Cycloheptatriene Cycloheptene Cyclohexane Cyclohexanone	8	UN3472	III	8	IB8, T1	154	203	241	5 L	60 L	A	12, 25
		8	UN2823	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25
		3	UN1744	I	3	T11, TP2	150	201	243	1 L	30 L	E	
		8	UN1761	I	8, 6.1	IB2, T7, TP2	154	202	243	1 L	30 L	A	95
		1.4S	UN0070	.....	8, 6.1	IB3, T7, TP1, TP28	154	203	242	5 L	60 L	A	25
				1.4S	.....	None	62	25 kg	100 kg	01			
		6.1	UN1935	I	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40, 52
				II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	A	40, 52
		6.1	UN1588	III	6.1	IB3, T7, TP2, TP13, TP28	153	203	241	60 L	220 L	A	40, 52
				I	6.1	IB7, IP1, N74, N75, T6, TP33	None	211	242	5 kg	50 kg	A	52
		2.3	UN1026	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
		6.1	UN1889	2.3	2.3, 2.1	TP33	2	304	245	Forbiddén	Forbiddén	D	40
2.3	2.3, 8			A6, A8, T6, TP33, W31	None	211	242	1 kg	15 kg	D	40, 52		
8	UN2670	.....	.....	IB8, IP2, IP4, T3, TP33	None	192	245	Forbiddén	Forbiddén	D	25, 40		
		II	8	None	212	240	15 kg	50 kg	A	12, 25, 40			
6.1	UN2601	Forbiddén	2.1	306	304	314, 315	243	Forbiddén	150 kg	B	40		
		6.1	6.1, 8, 3	IB1, T7, TP2, TP13	153	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100		
6.1	UN2518	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40		
		3	UN2241	II	3	IB2, T4, TP2	150	242	5 L	60 L	B	40	
3	UN2603	II	3, 6.1	IB2, T7, TP1, TP13	150	202	243	1 L	60 L	E	40		
		3	UN2242	II	3	B1, IB2, T4, TP1	150	242	5 L	60 L	B		
3	UN1145	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E			
		3	UN1915	III	3	B1, IB3, T2, TP1	150	203	242	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	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>Di-(beta-nitroxyethyl) ammonium nitrate</i>	Forbidden											
	Diacetone alcohol	3	UN1148	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Diacetone alcohol peroxides, with more than 57 percent in solution with more than 9 percent hydrogen peroxide, less than 26 percent diacetone alcohol and less than 9 percent water; total active oxygen content more than 9 percent by mass</i>	Forbidden		III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Diacetyl, see Butanedione</i>	Forbidden											
	<i>Diacetyl peroxide, solid, or with more than 25 percent in solution</i>	Forbidden											
	Diallylamine	3	UN2359	II	3, 6.1, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	21, 40, 100
	Diallylether	3	UN2360	II	3, 6.1	IB2, N12, T7, TP1, TP13	150	202	243	1 L	60 L	E	40
	<i>p-Diazidobenzene</i>	6.1	UN2651	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	<i>1,2-Diazidoethane</i>	Forbidden											
	<i>1,1'-Diazaminonaphthalene</i>	Forbidden											
	<i>Diazoaminotetrazole (dry)</i>	Forbidden											
	<i>Diazodinitrophenol (dry)</i>	Forbidden											
	<i>Diazodinitrophenol, wetted with not less than 40 percent water or mixture of alcohol and water, by mass</i>	1.1A	UN0074	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
	<i>Diazodiphenylmethane</i>	Forbidden											
	<i>Diazonium nitrates (dry)</i>	Forbidden											
	<i>Diazonium perchlorates (dry)</i>	Forbidden											
	<i>1,3-Diazopropane</i>	Forbidden											
	<i>Dibenzyl peroxycarbonate, with more than 87 percent with water</i>	8	UN2434	II	8	B2, T10, TP2, TP7, TP13	154	206	242	Forbidden	30 L	C	40
	Dibenzylchlorosilane	2.3	UN1911		2.3, 2.1	1, N89	None	302	None	Forbidden	Forbidden	D	40, 57
	Diborane												

D	2.1	2.1	5	None	302	245	Forbidden	Forbidden	D	40, 57
A	2.1	NA1911	II	6.1	IB2	243	5 L	60 L	B	40
	6.1	UN2648	III	6.1	IB2, T7, TP2	243	5 L	60 L	A	
	6.1	UN2872	III	6.1	IB3, T4, TP1	241	60 L	220 L	A	
	None	UN1941	III	None	T11, TP2	241	100 L	220 L	A	25
	6.1	UN2864	III	6.1	IB3, T4, TP1	241	60 L	220 L	A	
	3	UN1149	III	3	B1, IB3, T2, TP1	242	60 L	220 L	A	
	6.1	UN2873	III	6.1	IB3, T4, TP1	241	60 L	220 L	A	
	Forbidden									
	6.1	UN2650	II	6.1	IB2, T7, TP2	243	5 L	60 L	A	12, 25, 40, 74
	6.1	NA9264	I	6.1	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	244	Forbidden	Forbidden	A	40
D	8	UN1764	II	8	A3, A6, A7, B2, IB2, N34, T8, TP2	242	1 L	30 L	A	
	6.1	UN2649	II	6.1	IB8, IP2, IP4, T3, TP33	242	25 kg	100 kg	B	12, 25, 40
	8	UN1765	II	8	A3, A6, A7, B2, B6, IB2, N34, T7, TP2	242	1 L	30 L	D	40
	Forbidden									
	6.1	UN1590	II	6.1	IB2, T7, TP2	243	5 L	60 L	A	40
	6.1	UN3442	II	6.1	IB8, IP2, IP4, T3, TP33	242	25 kg	100 kg	A	40
	6.1	UN1591	III	6.1	IB3, T4, TP1	241	60 L	220 L	A	
	6.1	UN1916	II	6.1, 3	IB2, N33, N34, T7, TP2	243	5 L	60 L	A	
	2.2	UN2602	II	2.2	T50	314, 315	75 kg	150 kg	A	
	2.2	UN1028	II	2.2	T50	314, 315	75 kg	150 kg	A	
+	6.1	UN2249	I	6.1, 3	IB2, T4, TP1	243	Forbidden	Forbidden	B	40
	3	UN2362	II	3		242	5 L	60 L	B	40
	Forbidden									
	3	UN1150	II	3	IB2, T7, TP2	242	5 L	60 L	B	
	2.2	UN1029	II	2.2	T50	314, 315	75 kg	150 kg	A	
	5.1	UN2465	II	5.1	28, IB8, IP2, IP4, T3, TP33	240	5 kg	25 kg	A	13
	6.1	UN2490	II	6.1	IB2, T7, TP2	243	5 L	60 L	B	
	6.1	UN1593	III	6.1	IB3, IP8, N36, T7, TP2	241	60 L	220 L	A	
	3	UN1152	III	3	B1, IB3, T2, TP1	242	60 L	220 L	A	
	6.1	UN2250	II	6.1	IB8, IP2, IP4, T3, TP33	242	25 kg	100 kg	B	25, 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	Dichlorophenyltrichlorosilane	8	UN1766	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40	
	1,2-Dichloropropane	3	UN1279	II	3	IB2, N36, T4, TP1	150	202	242	5 L	60 L	B	12, 25, 40	
	1,3-Dichloropropanol-2	6.1	UN2750	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A		
	<i>Dichloropropene and propylene di-chloride mixture, see 1,2-Dichloropropane</i>													
	Dichloropropane	3	UN2047	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	17, 40	
	Dichloropropenes	2.3	UN2189	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		
	1,2-Dichloro-1,1,2,2-tetrafluoroethane or Refrigerant gas R 114	2.2	UN1958			2.2	T50	306	304	314, 315	75 kg	150 kg	A	
	<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	25		
Dicyclohexylammonium nitrite	4.1	UN2687	III	4.1	IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A			
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			
Diesel fuel	3	NA1993	III	None	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A			
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	242	5 L	60 L	E	40	
3,3-Diethoxypropene	3	UN2374	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B		
Diethyl carbonate	3	UN2366	III	3	B1, IB3, T2, TP1	150	203	242	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	243	1 L	30 L	E		
Diethyl ketone	3	UN1156	II	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B		
<i>Diethyl peroxydicarbonate, with more than 27 percent in solution</i>	6.1	UN1594	II	6.1	IB2, T7, TP2	153	202	243	243	5 L	60 L	C		
Diethyl sulfate	3	UN2375	II	3	IB2, T7, TP1, TP13	None	202	243	243	5 L	60 L	E		
Diethyl sulfide														

Diethylamine	3	UN1154	II	3, 8	A3, IB2, N34, T7, TP1	150	202	243	1 L	5 L	E	40
2-Diethylaminoethanol	8	UN2686	II	8, 3	B2, IB2, T7, TP2	None	202	243	1 L	30 L	A	
3-Diethylamino-propylamine.	3	UN2684	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
N, N-Diethylamine	6.1	UN2432	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Diethylbenzene	3	UN2049	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Diethyldichlorosilane	8	UN1767	II	8, 3	A7, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40
<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>	1.1D	UN0075	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 21E
Diethylenetriamine	8	UN2079	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	40, 52
N,N-Diethylethylenediamine	8	UN2685	II	8, 3	IB2, T7, TP2	None	202	243	1 L	30 L	A	
<i>Diethylgold bromide</i>	Forbidden											
Diethylthiophosphoryl chloride	8	UN2751	II	8	B2, IB2, T7, TP2	None	212	240	15 kg	50 kg	D	12, 25, 40
<i>Difluorochloroethanes, see 1-Chloro-1,1-difluoroethanes</i>												
1,1-Difluoroethane or Refrigerant gas R 152a	2.1	UN1030		2.1	T50	306	304	314, 315	Forbidden	150 kg	B	40
1,1-Difluoroethylene or Refrigerant gas R 1132a	2.1	UN1959		2.1		306	304	None	Forbidden	150 kg	E	40
Difluoromethane or Refrigerant gas R 32	2.1	UN3252		2.1	T50	306	302	314, 315	Forbidden	150 kg	D	40
Difluorophosphoric acid, anhydrous	8	UN1768	II	8	A6, A7, B2, IB2, N5, N34, T8, TP2	None	202	242	1 L	30 L	A	40
2,3-Dihydropyran	3	UN2376	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>1,8-Dihydroxy-2,4,5,7-tetraoxanthraquinone (chrysamminic acid)</i>	Forbidden											
<i>Dioacetylene</i>	Forbidden											
Diisobutyl ketone	3	UN1157	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Diisobutylamine	3	UN2361	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
Disobutylene, isomeric compounds	3	UN2050	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Disooctyl acid phosphate	8	UN1902	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
Diisopropyl ether	3	UN1159	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
Diisopropylamine	3	UN1158	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	
<i>Diisopropylbenzene, hydroperoxide, with more than 72 percent in solution</i>	Forbidden											
Diketene, stabilized	6.1	UN2521	I	6.1, 3	2, 387, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	25, 26, 27, 40
1,2-Dimethoxyethane	3	UN2252	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
1,1-Dimethoxyethane	3	UN2377	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	B	
Dimethyl carbonate	3	UN1161	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
<i>Dimethyl chlorothiophosphate, see Dimethyl thiophosphoryl chloride</i>												

+

§ 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)
	2,5-Dimethyl-2,5-dihydroperoxy hexane, with more than 62 percent with water	Forbiddn											
	Dimethyl disulfide	3	UN2381	II	3, 6.1	IB2, T7, TP2, TP13, TP39	150	202	242	Forbiddn	Forbiddn	B	40
	Dimethyl ether	2.1	UN1033		2.1	T50	306	304	314, 315	Forbiddn	150 kg	B	40
	Dimethyl-N-propylamine	3	UN2266	II	3, 8	IB2, T7, TP2, TP13	150	202	243	1 L	5 L	B	40
	Dimethyl sulfate	6.1	UN1595	I	6.1, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40
	Dimethyl sulfide	3	UN1164	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	40
	Dimethyl thiophosphoryl chloride	6.1	UN2267	II	6.1, 8	IB2, T7, TP2	153	202	243	1 L	30 L	B	25
	Dimethylamine, anhydrous	2.1	UN1032		2.1	N87, T50	None	304	314, 315	Forbiddn	150 kg	D	40
	Dimethylamine solution	3	UN1160	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
	2-Dimethylaminoacetone	3	UN2378	II	3, 6.1	IB2, T7, TP1	150	202	243	1 L	60 L	A	40, 52
	2-Dimethylaminoethanol	8	UN2051	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	
	2-Dimethylaminoethyl acrylate	6.1	UN3302	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	D	25
	2-Dimethylaminoethyl methacrylate	6.1	UN2522	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	B	40
	N,N-Dimethylaniline	6.1	UN2253	II	6.1	IB1, T7, TP2	153	202	243	5 L	60 L	A	
	2,3-Dimethylbutane	3	UN2457	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	
	1, 3-Dimethylbutylamine	3	UN2379	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52
	Dimethylcarbamoyl chloride	8	UN2262	II	8	IB2, T7, TP2	154	202	242	1 L	30 L	A	40
	Dimethylcyclohexanes	3	UN2263	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	N,N-Dimethylcyclohexylamine	8	UN2264	II	8, 3	B2, IB2, T7, TP2	154	202	243	1 L	30 L	A	40
	Dimethylchlorosilane	3	UN1162	II	3, 8	B77, T10, TP2, TP7, TP13	None	206	243	Forbiddn	Forbiddn	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 dihydroperoxide (dry)	Forbiddn				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, TP36, TP45	None	227	244	Forbiddn	Forbiddn	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												
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											
	Dinitrosobenzylamine and salts of (dry)	Forbidden											
	2,2-Dinitrosilbene	Forbidden											
	Dinitrotoluenes, liquid	6.1	UN2038	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Dinitrotoluenes, molten	6.1	UN1600	II	6.1	T7, TP3	None	202	243	Forbidden	Forbidden	C	
	Dinitrotoluenes, solid	6.1	UN3454	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	1,9-Dinitroxy pentamethylene-2,4,6,8-tetramine (dry)	Forbidden											
	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	None	206	242	Forbidden	30 L	C	40
	Diphenylmethyl bromide	8	UN1770	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	D	40
	Dipiclyl sulfide, dry or wetted with less than 10 percent water, by mass	1.1D	UN0401	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Dipiclyl 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
	Diprylamine, see Hexanitrodiphenylamine												
	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	
G	Disinfectant, liquid, corrosive, n.o.s.	8	UN1903	I	8	A6, A7, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	B	
	Disinfectants, liquid, corrosive n.o.s.	8	UN1903	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	B	
G				III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	

G	Disinfectants, liquid, toxic, n.o.s.	6.1	UN3142	I	6.1	A4, T14, TP2, TP27 IB2, T11, TP2, TP27	None	201	243	1 L	30 L	A	40
				II	6.1	IB3, T7, TP1, TP28	153	202	243	5 L	60 L	A	40
G	Disinfectants, solid, toxic, n.o.s.	6.1	UN1601	III	6.1	IB7, IP1, T6, TP33	None	203	241	60 L	220 L	A	40
				I	6.1	IB8, IP2, IP4, T3, TP33	153	211	242	5 kg	50 kg	A	40
				II	6.1	IB8, IP3, T1, 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
G	Disodium trioxosulfate Dispersant gases, n.o.s., see Refrigerant gases, n.o.s. Divinyl ether, stabilized Dodecyltrichlorosilane	8	UN3253	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
				I	3	3B7, A7, T11, TP2	None	201	243	1 L	30 L	E	25, 40
				II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbiddn	30 L	C	40
G	Dry ice, see Carbon dioxide, solid Dyes, liquid, corrosive, n.o.s., or Dye intermediates, liquid, corrosive, n.o.s.	8	UN2801	I	8	11, A6, B10, T14, TP2, TP27	None	201	243	0.5 L	2.5 L	A	
				II	8	11, B2, IB2, T11, TP2, TP27	154	202	242	1 L	30 L	A	
				III	8	11, IB3, T7, TP1, TP28	154	203	241	5 L	60 L	A	
G	Dyes, liquid, toxic, n.o.s., or Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	I	6.1	IB7, IP1, T6, TP33	None	201	243	1 L	30 L	A	
				II	6.1	IB2	153	202	243	5 L	60 L	A	
				III	6.1	IB3	153	203	241	60 L	220 L	A	
G	Dyes, solid, corrosive, n.o.s., or Dye intermediates, solid, corrosive, n.o.s.	8	UN3147	I	8	IB7, IP1, T6, TP33	None	211	242	1 kg	25 kg	A	
				II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	
				III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	
G	Dyes, solid, toxic, n.o.s., or Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	I	6.1	A5, IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
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	UN3256	III	3	IB1, T3, TP3, TP29	None	None	247	Forbiddn	Forbiddn	A	
				III	9	IB1, T3, TP3, TP29	None	None	247	Forbiddn	Forbiddn	A	85
G	Elevated temperature liquid, n.o.s., at or above 240 C, see §173.247(h)(4)	9	UN3258	III	9		247 (h)(4)	None	247	Forbiddn	Forbiddn	A	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	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, flammable liquid powered or Engine, internal combustion or Machinery, internal combustion, flammable liquid powered	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, 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, A112, B54, 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	155	202	243	5 L	60 L	A	40
	1,2-Epoxy-3-ethoxypropane Esters, n.o.s.	3	UN2752	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Etching acid, liquid, n.o.s., see Hydrofluoric acid, etc	3	UN3272	III	3	IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
	Etching acid, liquid, n.o.s., see Hydrofluoric acid, etc	3	UN3272	III	3	B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
D	Ethane	2.1	UN1035		2.1	T75, TP5	306	304	302	Forbidden	150 kg	E	40
	Ethane-Propane mixture, refrigerated liquid	2.1	NA1961		2.1		None	316	314, 315	Forbidden	Forbidden	D	40
	Ethane, refrigerated liquid	2.1	UN1961		2.1	T75, TP5	None	None	315	Forbidden	Forbidden	D	40
	Ethanol amine dinitrate	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 IB3, T4, TP1	4b, 150	203	242	60 L	220 L	A	52.
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	II	3	B1, IB3, T4, TP1, TP29	150	202	242	5 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												
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	
Ethyl borate	3	UN2274	III	6.1	IB3, T4, TP1	153	202	241	60 L	220 L	A	
Ethyl bromide	6.1	UN1891	II	6.1	IB2, T4, TP1	150	202	242	5 L	60 L	B	40, 85
Ethyl bromoacetate	6.1	UN1603	II	6.1, 3	IB2, T7, TP2, TP13	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	202	242	60 L	220 L	A	
Ethyl chloride	2.1	UN1037	II	2.1	B77, N66, T50	None	322	314, 315	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, 100
Ethyl 2-chloropropionate	3	UN2835	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
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	IB2, T4, TP1	306	304	314, 315	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	3	UN2481	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbiddn	Forbiddn	D	40, 52
Ethyl isocyanate	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	
Ethyl mercaptan	3	UN2363	I	3	A6, T11, TP2, TP13	None	201	243	Forbiddn	30 L	E	95, 102
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	None	201	314, 315	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	
Ethyl nitrite solutions	3	UN1194	I	3, 6.1	None	None	201	None	Forbiddn	Forbiddn	E	40, 105
Ethyl orthoformate	3	UN2524	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethyl oxalate	6.1	UN2525	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Ethyl perchlorate	Forbiddn											

+

+

§ 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 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
D	Ethyl phosphonous dichloride, anhydrous <i>pyrophoric liquid</i>	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
	Ethyl propionate	3	UN1195	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethyl propyl ether	3	UN2615	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	Ethyl silicate, see Tetraethyl silicate												
	Ethylacetylene, stabilized	2.1	UN2452	.....	2.1	387, N88	None	304	314, 315	Forbidden	150 kg	B	25, 40
	Ethylamine	2.1	UN1036		2.1	B77, N87, T50	None	321	314, 315	Forbidden	150 kg	D	40
	Ethylamine, aqueous solution with not less than 50 percent but not more than 70 percent ethylamine	3	UN2270	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52.
	N-Ethylaniline	6.1	UN2272	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
	2-Ethylaniline	6.1	UN2273	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52, 74
	Ethylbenzene	3	UN1175	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	N-Ethylbenzyltoluidines liquid	6.1	UN2753	III	6.1	IB3, T7, TP1	153	203	241	60 L	220 L	A	
	2-Ethylbutanol	3	UN2275	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	2-Ethylbutyl acetate	3	UN1177	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	2-Ethylbutylaldehyde	3	UN1178	III	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Ethylchloroarsine	6.1	UN1892	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
	Ethylchlorosilane	4.3	UN1183	I	4.3, 8, 3	A2, A3, A7, N34, T14, TP2, TP7, TP13, W31, T75, TP5	None	201	244	Forbidden	1 L	D	21, 40, 49, 100
	Ethylene, acetylene and propylene in mixture, refrigerated liquid with at least 71.5 percent ethylene with not more than 22.5 percent acetylene and not more than 6 percent propylene	2.1	UN3138		2.1		None	304	314, 315	Forbidden	Forbidden	D	40, 57
	Ethylene chlorohydrin	6.1	UN1135	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40

Ethylene	2.1	UN1962		2.1		306	304	302	Forbidden	150 kg	E	40
Ethylene diamine diperchlorate	6.1	UN1605		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	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	A	
			III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Ethylene glycol dinitrate	Forbidden											
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	
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	

§ 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 or Ethylene oxide with nitrogen up to a total pres-sure of 1 MPa (10 bar) at 50 de-grees C	2.3	UN1040		2.3, 2.1	4, 342, T50, TP20	None	323	323	Forbidden	Forbidden	D	40
	Ethylene, refrigerated liquid (<i>cryo-genic liquid</i>)	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,
	Ethyleimine, 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
	<i>Ethylhexaldehyde, see Octyl aldehydes etc</i>												
	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
	2-Ethylhexylamine	3	UN2276	III	3, 8	B1, B3, T4, TP1	150	203	242	5 L	60 L	A	40
	Ethylphenyldichlorosilane	8	UN2435	II	8	A7, B2, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	
	1-Ethylpiperidine	3	UN2386	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52,
	N-Ethyltoluidines	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
	<i>Etiologic agent, see Infectious sub-stances, etc</i>												
	<i>Explosive articles, see Articles, ex-plosive, n.o.s. etc</i>												
	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	Forbidden	Forbidden	03	25, 19E
	Explosive, blasting, type C	1.1D	UN0083	.....	1.1D	123	None	62	None	Forbidden	Forbidden	04	25, 22E
	Explosive, blasting, type D	1.1D	UN0084	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Explosive, blasting, type E	1.1D	UN0241	.....	1.1D	148	None	62	None	Forbidden	Forbidden	04	25, 19E

	1.5D	UN0332	.....	1.5D	105, 106, 148	None	62	None	Forbiden	Forbiden	03	25, 19E
Explosive, blasting, type E or Agent blasting, Type E. <i>Explosive, forbidden. See § 173.54</i> <i>Explosive substances, see Substances, explosive, n.o.s. etc</i> <i>Explosives, slurry, see Explosive, blasting, type E</i> <i>Explosives, water gels, see Explosive, blasting, type E</i> Extracts, aromatic, liquid	3	UN1169	II	3	149, IB2, T4, TP1, TP8	150	202	5 L	60 L	B		
Extracts, flavoring, liquid	3	UN1197	III	3	B1, IB3, T2, TP1	150	203	60 L	220 L	A		
<i>Fabric with animal or vegetable oil, see Fibers or fabrics, etc</i>												
Ferric arsenate	6.1	UN1606	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A		
Ferric arsenite	6.1	UN1607	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A		
Ferric chloride, anhydrous	8	UN1773	III	8	IB8, IP3, T1, TP33	154	213	25 kg	100 kg	A		
Ferric chloride, solution	8	UN2582	III	8	B15, IB3, T4, TP1	154	203	5 L	60 L	A		
Ferric nitrate	5.1	UN1466	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	25 kg	100 kg	A		
Ferrocenium	4.1	UN1323	II	4.1	59, A19, IB8, IP2, IP4, T3, TP33, W100	151	212	15 kg	50 kg	A		13, 147, 148
Ferrosilicon with 30 percent or more but less than 90 percent silicon	4.3	UN1408	III	4.3, 6.1	A1, A19, B6, IB8, IP4, IP7, T1, TP33, W100	151	213	25 kg	100 kg	A		13, 40, 52, 53, 85, 103, 148
Ferrous arsenate	6.1	UN1608	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A		
Ferrous chloride, solid	8	NA1759	II	8	IB8, IP2, IP4, T3, TP33	154	212	15 kg	50 kg	A		
Ferrous chloride, solution	8	NA1760	II	8	B3, IB2, T11, TP2, TP27	154	202	1 L	30 L	B		40
Ferrous metal borings or Ferrous metal shavings or Ferrous metal turnings or Ferrous metal cuttings in a form liable to self-heating free ammonia	4.2	UN2793	III	4.2	A1, A19, B134, IB8, IP3, IP21, IP7, W100	None	213	25 kg	100 kg	A		13, 148
Fertilizer ammoniating solution with free ammonia	2.2	UN1043		2.2	N87	306	304	Forbiden	150 kg	E		40
Fibers, animal or Fibers, vegetable burnt, wet or damp	4.2	UN1372	III	4.2		151	213	Forbiden	Forbiden	A		
Fibers, vegetable, dry	4.1	UN3360	III	4.1	137	151	213	No Limit	No Limit	A		
Fibers or Fabrics, animal or vegetable or Synthetic, n.o.s. with animal or vegetable oil	4.2	UN1373	III	4.2	137, IB8, IP3, T1, TP33, W31	None	213	Forbiden	Forbiden	A		
Fibers or Fabrics impregnated with weakly nitrated nitrocellulose, n.o.s.	4.1	UN1353	III	4.1	A1, IB8, IP3	None	213	25 kg	100 kg	D		

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) 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)
	Films, nitrocellulose base, from which gelatine has been removed; film scrap, see Celluloid scrap												
	Films, nitrocellulose base, gelatine coated (except scrap)	4.1	UN1324	III	4.1		None	183	None	25 kg	100 kg	D	28
	Fire extinguisher charges, corrosive liquid	8	UN1774	II	8	N41	154	202	None	1 L	30 L	A	
	Fire extinguisher charges, expelling, explosive, see Cartridges, power device												
	Fire extinguishers containing compressed or liquefied gas	2.2	UN1044	.....	2.2	110	309	309	None	75 kg	150 kg	A	.....
	Flighters, solid with flammable liquid	4.1	UN2623	III	4.1	A1, A19	None	213	None	25 kg	100 kg	A	52
	Fireworks	1.1G	UN0333	.....	1.1G	108	None	62	None	Forbidden	Forbidden	03	25
	Fireworks	1.2G	UN0334	.....	1.2G	108	None	62	None	Forbidden	Forbidden	03	25
	Fireworks	1.3G	UN0335	.....	1.3G	108	None	62	None	Forbidden	Forbidden	03	25
	Fireworks	1.4G	UN0336	.....	1.4G	108, 200	None	62	None	Forbidden	75 kg	02	25
	Fireworks	1.4S	UN0337	.....	1.4S	108	None	62	None	25 kg	100 kg	01	25
	First aid kits	9	UN3316	II	9	15	161	161	None	10 kg	10 kg	A	
	First aid kits	9	UN3316	III	9	15	161	161	None	10 kg	10 kg	A	
A W	Fish meal, stabilized or Fish scrap, unstabilized	9	UN2216	III	None	155, IB8, IP3, T1, TP33	155	218	218	Forbidden	Forbidden	B	25, 88, 122, 128
	Fish meal, unstabilized or Fish scrap, unstabilized	4.2	UN1374	II	4.2	155, A1, A19, IB8, IP2, IP4, T3, TP33, W31, W40	None	212	241	Forbidden	Forbidden	B	18, 25, 128
	Flammable compressed gas, see Compressed or Liquefied gas, flammable, etc												
	Flammable compressed gas (small receptacles not fitted with a dispersion device, not refillable), see Receptacles, etc												
	Flammable gas in lighters, see Lighters or lighter refills, cigaretttes, containing flammable gas												

UN Number	Proper Shipping Name	Class	Division	Subdivision	Special Provisions	Quantity	Label	Other	201	243	Forbidden	2.5 L	Label	21, 40, 100
3 UN3286	Flammable liquid, toxic, corrosive, n.o.s.	I	3, 6.1, 8	II	T14, TP2, TP13, TP27 IB2, T11, TP2, TP13, TP27	150	None	201	243	Forbidden	5 L	B	21, 40, 100	
3 UN2924	Flammable liquids, corrosive, n.o.s.	I	3, 8	III	IB2, T11, TP2, TP27 IB2, T14, TP2	150	None	201	243	0.5 L	E	40		
3 UN1993	Flammable liquids, n.o.s.	III	3, 8	I	B1, IB3, T7, TP1, TP28 T11, TP1, TP27	150	None	201	243	5 L	B	40		
3 UN1992	Flammable liquids, toxic, n.o.s.	III	3	II	IB2, T7, TP1, TP8, TP28 B1, B52, IB3, T4, TP1, TP29	150	None	201	242	60 L	A	40		
4.1 UN3180	Flammable solid, corrosive, inorganic, n.o.s.	II	4.1, 8	III	T14, TP2, TP13, TP27 IB2, T7, TP2, TP13	151	None	201	243	Forbidden	30 L	E	40	
4.1 UN3178	Flammable solid, inorganic, n.o.s.	III	4.1	II	B1, IB3, T7, TP1, TP28 A1, IB6, IP2, T3, TP33	151	None	203	242	1 L	B	40		
4.1 UN3176	Flammable solid, organic, molten, n.o.s.	III	4.1	II	A1, IB6, IP2, T3, TP33	151	None	212	242	15 kg	D	40		
4.1 UN3097	Flammable solid, oxidizing, n.o.s.	III	4.1, 5.1	II	A1, IB6, T1, TP33 A1, IB8, IP2, IP4, T3, TP33	151	None	213	240	25 kg	D	40		
4.1 UN3179	Flammable solid, toxic, inorganic, n.o.s.	II	4.1, 6.1	III	A1, IB8, IP3, T1, TP33 IB1, T3, TP3, TP26	151	None	213	240	25 kg	B	40		
4.1 UN2925	Flammable solids, corrosive, organic, n.o.s.	III	4.1, 6.1	II	IB1, T1, TP3, TP26 131, T1, TP33	151	None	214	214	Forbidden	Forbidden	40		
4.1 UN1325	Flammable solids, organic, n.o.s.	II	4.1, 8	III	A1, IB6, IP2, T3, TP33	151	None	212	242	15 kg	B	40		
4.1 UN2926	Flammable solids, toxic, organic, n.o.s.	III	4.1, 6.1	II	A1, IB6, T1, TP33 A1, IB6, IP2, IP4, T3, TP33	151	None	213	240	25 kg	B	40		
1.3G UN0093	Flares, aerial	1.3G	A1, IB6, IP2, T3, TP33	None	None	62	None	Forbidden	75 kg	03	25	
1.4G UN0403	Flares, aerial	1.4G	None	None	62	None	Forbidden	75 kg	02	25	
1.4S UN0404	Flares, aerial	1.4S	None	None	62	None	25 kg	100 kg	01	25	
1.1G UN0420	Flares, aerial	1.1G	None	None	62	None	Forbidden	Forbidden	03	25	
1.2G UN0421	Flares, aerial	1.2G	None	None	62	None	Forbidden	Forbidden	03	25	
1.3G UN0092	Flares, airplane, see Flares, aerial Flares, signal, see Cartridges, signal Flares, surface	1.3G	None	None	62	None	Forbidden	75 kg	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	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)
	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, <i>water-activated</i> , see Contri-vances, <i>water-activated</i> , <i>etc</i>												
	Flash powder	1.1G	UN0094	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Flash powder	1.3G	UN0305	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	<i>Flue dusts</i> , <i>poisonous</i> , see Arsen-ical dust												
	<i>Fluoric acid</i> , see Hydrofluoric acid, <i>etc</i>												
	Fluorine, compressed	2.3	UN1045		2.3, 5.1, 8	1, N86	None	302	None	Forbidden	Forbidden	D	40, 89, 90
	Fluoroacetic acid	6.1	UN2642	I	6.1	IB7, IP1, T6, TP33	None	211	242	1 kg	15 kg	E	
	Fluoroanilines	6.1	UN2941	III	6.1	IB3, T4, TP1	None	203	241	60 L	220 L	A	
	Fluorobenzene	3	UN2387	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Fluoroboric acid	8	UN1775	II	8	A6, A7, B2, B15, IB2, N3, N34, T7, TP2	154	202	242	1 L	30 L	A	
	Fluorophosphoric acid anhydrous	8	UN1776	II	8	A6, A7, B2, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	
G	Fluorosilicates, n.o.s	6.1	UN2856	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
	Fluorosilicic acid	8	UN1778	II	8	A6, A7, B2, B15, IB2, N3, N34, T8, TP2	None	202	242	1 L	30 L	A	
	Fluorosulfonic acid	8	UN1777	I	8	A3, A6, A7, A10, B6, B10, N3, N36, T10, TP2	None	201	243	0.5 L	2.5 L	D	40
	Fluorotoluenes	3	UN2388	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	<i>Forbidden materials</i> . See § 173.21	Forbidden	UN1198	III	3, 8	176, B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
	Formaldehyde solutions, flammable												
	Formaldehyde solutions (with not less than 10% and less than 25% formaldehyde), see Aviation regu-lated liquid, n.o.s. or Other regu-lated substances, liquid, n.o.s.												
	Formaldehyde solutions, <i>with not less than 25 percent formalde-hyde</i>	8	UN2209	III	8	IB3, T4, TP1	154	203	241	5 L	60		
	<i>Formalin</i> , see Formaldehyde, solu-tions												

Fornic 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.
Fornic 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
Fornic acid with more than 85% acid by mass	8	UN1779	II	8, 3	B2, B28, IB2, T7, TP2	154	202	242	1 L	30 L	A	40.
Fracturing devices, explosive, without detonators for oil wells	1,1D	UN0099	.....	1,1D	.....	None	62	62	Forbidden	Forbidden	04	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 equipment, containing corrosive substances	3	UN3473	.....	3	328	230	230	230	5 kg	50 kg	A	
Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing hydrogen in metal hydride	2.1	UN3479	.....	2.1	328	230	230	230	1 kg	15 kg	B	
Fuel cell cartridges or Fuel cell cartridges contained in equipment or equipment, containing liquefied flammable gas	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	
Fuel system components (including fuel control units (FCU), carburetors, fuel lines, fuel pumps) see Dangerous Goods in Apparatus or Dangerous Goods in Machinery	Forbidden											
Fulminate of mercury (dry)	Forbidden											
Fulminate of mercury, wet, see Mercury fulminate, etc	Forbidden											
Fulminating gold	Forbidden											

D

	Fuzes, detonating, with protective features	1.2D	UN0409	.....	1.2D	.....	None	62	None	Forbiddn	Forbiddn	04	25
	Fuzes, detonating, with protective features	1.4D	UN0410	.....	1.4D	116	None	62	None	Forbiddn	75 kg	02	25
	Fuzes, igniting	1.3G	UN0316	.....	1.3G	.....	None	62	None	Forbiddn	Forbiddn	03	25
	Fuzes, igniting	1.4G	UN0317	.....	1.4G	.....	None	62	None	Forbiddn	75 kg	02	25
	Fuzes, igniting	1.4S	UN0368	.....	1.4S	.....	None	62	None	Forbiddn	100 kg	01	25
	Galacsan trinitrate	Forbiddn											
	Gallium	8	UN2803	III	8	T1, TP33	None	162	240	20 kg	20 kg	B	25
	Gas cartridges, (flammable) without a release device, non-refillable	2.1	UN2037	.....	2.1	.....	306	304	None	1 kg	15 kg	B	40
D	Gas identification set	2.3	NA9035	.....	2.3	6	None	194	None	Forbiddn	Forbiddn	D	
	Gas oil	3	UN1202	III	3	144, B1, IB3, T2, TP1	None	203	242	60 L	220 L	A	
G	Gas, refrigerated liquid, flammable, n.o.s. (cryogenic liquid)	2.1	UN3312	.....	2.1	T75, TP5	None	316	318	Forbiddn	Forbiddn	D	40
G	Gas, refrigerated liquid, n.o.s. (cryogenic liquid)	2.2	UN3158	.....	2.2	T75, TP5	320	316	318	50 kg	500 kg	D	
G	Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid)	2.2	UN3311	.....	2.2	T75, TP5, TP22	320	316	318	Forbiddn	Forbiddn	D	
	Gas sample, non-pressurized, flammable, n.o.s., not refrigerated liquid	2.1	UN3167	.....	2.1	.....	306	302, 304	None	1 L	5 L	D	
	Gas sample, non-pressurized, toxic, flammable, n.o.s., not refrigerated liquid	2.3	UN3168	.....	2.3, 2.1	6	306	302	None	Forbiddn	1 L	D	
	Gas sample, non-pressurized, toxic, n.o.s., not refrigerated liquid	2.3	UN3169	.....	2.3	6	306	302, 304	None	Forbiddn	1 L	D	D
	Gasoline, includes gasoline mixed with ethyl alcohol, with not more than 10% alcohol	3	UN1203	II	3	144, 177, B1, B33, IB2, T4	150	202	242	5 L	60 L	E	
	Gasoline, casinghead, see Gasoline												
	Gelatine, blasting, see Explosive, blasting, type A												
	Gelatine dynamites, see Explosive, blasting, type A												
	Germane	2.3	UN2192	.....	2.3, 2.1	2	None	302	245	Forbiddn	Forbiddn	D	40
	Germane, adsorbed	2.3	UN3523	.....	2.3, 2.1	2	None	302c	None	Forbiddn	Forbiddn	D	40
	Glycerol-1,3-dinitrate	Forbiddn											
	Glycerol gluconate trinitrate	Forbiddn											
	Glycerol lactate trinitrate	Forbiddn											
	Glycerol alpha-monochlorohydrin	6.1	UN2689	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Glyceryl trinitrate, see Nitroglycerin, etc.												
	Glycidaldehyde	3	UN2622	II	3, 6.1	IB2, 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	Forbiddn	Forbiddn	04	25
	Grenades, hand or rifle, with bursting charge	1.2D	UN0285	.....	1.2D	.....	.....	62	None	Forbiddn	Forbiddn	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)	
(1)	Grenades, hand or rifle, with bursting charge Grenades, hand or rifle, with bursting charge Grenades, illuminating, see Ammunition, illuminating, etc Grenades, practice, hand or rifle Grenades, smoke, see Ammunition, smoke, etc Guandine nitrate Guanyl nitrosaminoguanylidene hydrazine (dry) Guanyl nitrosaminoguanylidene hydrazine, wetted with not less than 30 percent water, by mass Guanyl nitrosaminoguanyltetrazene (dry) Guanyl nitrosaminoguanyltetrazene, wetted or Tetrazene, wetted with not less than 30 percent water or mixture of alcohol and water, by mass Gunpowder, compressed or Gunpowder in pellets, see Black powder (UN 0028) Gunpowder, granular or as a meal, see Black powder (UN 0027) Hatium powder, dry	1.1F	UN0292	1.1F			Forbidden	Forbidden	05	25	
		1.2F	UN0293	.....	1.2F	.....	.....	62	None	None	Forbidden	Forbidden	05	25
		1.4S	UN0110	.....	1.4S	.....	.....	62	None	None	25 kg	100 kg	01	25
		1.3G	UN0318	.....	1.3G	.....	.....	62	None	None	Forbidden	Forbidden	03	25
		1.2G	UN0372	.....	1.2G	.....	.....	62	None	None	Forbidden	Forbidden	02	25
		1.4G	UN0452	.....	1.4G	.....	.....	62	None	None	Forbidden	75 kg	02	25
		5.1	UN1467	III	5.1	III	A1, IB8, IP3, T1, TP33	213	240	None	25 kg	100 kg	A	73
		Forbidden												
		1.1A	UN0113	.....	1.1A	.....	111, 117	62	None	None	Forbidden	Forbidden	05	25
		Forbidden												
		1.1A	UN0114	.....	1.1A	.....	111, 117	62	None	None	Forbidden	Forbidden	05	25
		4.2	UN2545	I II III	4.2 4.2 4.2	I II III	A19, A20, IB6, IP2, N34, T3, TP33, W31 B135, IB8, IP21, T1, TP33, W31	211 212 213	242 241 241	None None None	Forbidden 15 kg 25 kg	Forbidden 50 kg 100 kg	D D D	13, 148 13, 148 13, 148

	4.1	UN1326	II	4.1	Ag, A19, A20, IB6, IP2, N34, T3, TP33, W31, W40	None	212	241	15 kg	50 kg	E	74
Hafnium powder, wetted with not less than 25 percent water (a present); (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns												
Hand signal device, see Signal devices, hand												
Hazardous substances, liquid or solid, n.o.s., see Environmentally hazardous substances, etc												
Hazardous waste, liquid, n.o.s.	9	NA3082	III	9	IB3, T2, TP1	155	203	241	No limit	No limit	A	
Hazardous waste, solid, n.o.s.	9	NA3077	III	9	B54, IB8, IP2, T1, TP33	155	213	240	No limit	No limit	A	
Heating oil, light	3	UN1202	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Helium, compressed	2.2	UN1046	.....	2.2	.....	306	302	302, 314	75 kg	150 kg	A	85
Helium, refrigerated liquid (cryogenic liquid)	2.2	UN1963		2.2	T75, TP5	320	316	318	50 kg	500 kg	D	
Hepafluoropropane or Refrigerant gas R 227	2.2	UN3296		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
n-Heptaldehyde	3	UN3056	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
Heptanes	3	UN1206	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
n-Heptene	3	UN2278	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Hexachloroacetone	6.1	UN2661	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	B	12, 40
Hexachlorobenzene	6.1	UN2729	III	6.1	B3, IB8, IP3, T1, TP33	153	203	241	60 L	220 L	A	
Hexachlorobutadiene	6.1	UN2279	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Hexachlorocyclopentadiene	6.1	UN2646	I	6.1	2, B9, B14, B32, B77, T20, TP2, TP13, TP36, TP45	None	227	244	Forbidden	Forbidden	D	25, 40
Hexachlorophene	6.1	UN2875	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
Hexadecyltrichlorosilane	8	UN1781	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Hexadienes	3	UN2458	II	3	IB2, T4, TP1	None	202	242	5 L	60 L	B	
Hexaethyl tetraphosphate and compressed gas mixtures	2.3	UN1612	II	2.3	3	None	334	None	Forbidden	Forbidden	D	40
Hexaethyl tetraphosphate, liquid	6.1	UN1611	II	6.1	IB2, N76, T7, TP2	153	202	243	5 L	60 L	E	40
Hexaethyl tetraphosphate, solid	6.1	UN1611	II	6.1	IB8, IP2, IP4, N76	153	212	242	25 kg	100 kg	E	40
Hexafluoroacetone	2.3	UN2420	II	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	II	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	None	202	242	1 L	30 L	A	
Hexafluoropropylene compressed or Refrigerant gas R 1216	2.2	UN1858		2.2	T50	306	304	314, 315	75 kg	150 kg	A	
Hexaldehyde	3	UN1207	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	

D G
D G

§ 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)
	Hexamethylene diisocyanate <i>Hexamethylene triperoxide diamine (dry)</i>	6.1 Forbidden	UN2281	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	C	13, 40
	Hexamethylenediamine, solid	8	UN2280	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25
	Hexamethylenediamine solution	8	UN1783	II	8	IB2, T7, TP2	None	202	242	1 L	30 L	A	
	Hexamethylenimine	3	UN2493	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	Hexamethylenetetramine	4.1	UN1328	III	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40
	Hexanes	Forbidden	UN1328	III	4.1	A1, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	
	Hexanitro-3,3'- <i>Hexanitro-3,3'-dihydroxyazobenzene (dry)</i>	3	UN1208	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	E	
	Hexanitroazoxy benzene	Forbidden											
	<i>N,N'</i> -(hexanitrodiphenyl ethylene dinitramine (dry))	Forbidden											
	Hexanitrodiphenyl urea	Forbidden											
	2,2',3',4',4',6'-Hexanitrodiphenylamine <i>Hexanitrodiphenylamine</i> 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											
	Hexanitrosilbene	Forbidden											
	Hexanoic acid, see Corrosive liquids, n.o.s.	1,1D	UN0392	.....	1,1D	.....	None	62	None	Forbidden	Forbidden	04	25
	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 cycloctetramethylenetetramine 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	Forbidden											

Hexogen and octogen mixtures, wetted or desensitized see RDX and HMX mixtures, wetted or desensitized etc	1.1D	UN0118	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Hexogen, see Cyclotrimethylenetrinitramine, etc	1.1D	UN0393	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Hexolite, or Hexitol dry or wetted with less than 15 percent water, by mass	8	UN1784	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
High explosives, see individual explosives' entries												
HMX, see Cyclotetramethylenetetranitramine, etc	8	UN2029	I	8, 3, 6.1	A3, A6, A7, A10, B7, B16, B53	None	201	243	Forbidden	2.5 L	D	40, 52, 125, 52.
Hydrazine, anhydrous	6.1	UN3293	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Hydrazine, aqueous solution, with not more than 37 percent 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, flammable 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 chlorate	Forbidden											
Hydrazine dicarbonate	Forbidden											
Hydrazine perchlorate	Forbidden											
Hydriodic acid, anhydrous, see Hydrogen iodide, anhydrous	8	UN1787	II	8	A3, A6, B2, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	
Hydriodic acid	8		III	8	IB3, T4, TP1	154	203	241	5 L	60 L	C	8
Hydrobromic acid, anhydrous, see Hydrogen bromide, anhydrous	8	UN1788	II	8	B2, B15, IB2, N41, T7, TP2	154	202	242	Forbidden	Forbidden	C	
Hydrobromic acid, with more than 49 percent hydrobromic acid	8	UN1788	III	8	IB3, T4, TP1	154	203	241	Forbidden	30 L	C	8
Hydrobromic acid, with not more than 49 percent hydrobromic acid	8	UN1788	II	8	A3, A6, B2, B15, IB2, N41, T7, TP2	154	202	242	1 L	30 L	C	
	8		III	8	A3, IB3, T4, TP1	154	203	241	5 L	60 L	C	8

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	(10A) Loca-tion	(10B) Other
	Hydrocarbon gas mixture, compressed, n.o.s.	2.1	UN1964		2.1		306	302	314, 315	Forbidden	150 kg	E	40
	Hydrocarbon gas mixture, liquefied, n.o.s.	2.1	UN1965		2.1	T50	306	304	314, 315	Forbidden	150 kg	E	40
	Hydrocarbons, liquid, n.o.s.	3	UN3295	I	3	144, T11, TP8, TP28	150	201	243	1 L	30 L	E	
				II	3	144, IB2, T7, TP1, TP8, TP28	150	202	242	5 L	60 L	B	
				III	3	144, B1, IB3, T4, TP1, TP29	150	203	242	60 L	220 L	A	
	Hydrochloric acid, anhydrous, see Hydrogen chloride, anhydrous	8	UN1789	II	8	386, A3, A6, B3, B15, B133, IB2, N41, T8, TP2	154	202	242	1 L	30 L	C	
	Hydrochloric acid, anhydrous, see Hydrogen cyanide etc			III	8	A3, B3, T4, TP1	154	203	241	5 L	60 L	C	8
	Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide	6.1	UN1613	I	6.1	2, B61, B65, B77, B82, T20, TP2, TP13	None	195	244	Forbidden	Forbidden	D	40
D	Hydrocyanic acid, aqueous solutions with less than 5 percent hydrogen cyanide	6.1	NA1613	II	6.1	IB1, T14, TP2, TP13, TP27	None	195	243	Forbidden	5 L	D	40
	Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc												
	Hydrocyanic acid (prussic), unstabilized	Forbidden											
	Hydrofluoric acid and Sulfuric acid mixtures	8	UN1786	I	8, 6.1	A6, A7, B15, B23, N5, N34, T10, TP2, TP13	None	201	243	Forbidden	2.5 L	D	40
	Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhydrous												
	Hydrofluoric acid, with more than 60 percent strength	8	UN1790	I	8, 6.1	A6, A7, B4, B15, B23, N5, N34, T10, TP2, TP13	None	201	243	0.5 L	2.5 L	D	12, 25, 40
	Hydrofluoric acid, with not more than 60 percent strength	8	UN1790	II	8, 6.1	A6, A7, B15, IB2, N5, N34, T8, TP2	154	202	243	1 L	30 L	D	12, 25, 40

G	Hypochochlorites, inorganic, n.o.s.	5.1	UN3212	III	8	386, IB3, N34, T4, TP2, TP24, TP24, 349, A9, IB8, IP2, IP4, T3, TP33	154	203	241	5 L	60 L	B	26
	<i>Hyponitrous acid</i>	Forbidden											
	<i>Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad</i>												
	Igniters	1.1G	UN0121	.....	1.1G	.....	None	62	None	Forbidden	Forbidden	03	25
	Igniters	1.2G	UN0314	.....	1.2G	.....	None	62	None	Forbidden	Forbidden	03	25
	Igniters	1.3G	UN0315	.....	1.3G	.....	None	62	None	Forbidden	Forbidden	03	25
	Igniters	1.4G	UN0325	.....	1.4G	.....	None	62	None	Forbidden	75 kg	02	25
	Igniters	1.4S	UN0454	.....	1.4S	.....	None	62	None	Forbidden	100 kg	01	25
	3,3'-iminodipropylamine	8	UN2269	.....	8	.....	IB3, T4, TP2	203	241	50 mL or 5 L	60 L	A	40
	Infectious substances, affecting animals only	6.2	UN2900	.....	6.2	.....	A82	196	None	50 mL or 50 g	4 L or 4 kg	B	40
	Infectious substances, affecting humans	6.2	UN 2814	.....	6.2	.....	A82	196	None	50 mL or 50 g	4 L or 4 kg	B	40
	<i>Inflammable, see Flammable</i>												
	<i>Initiating explosives (dry)</i>	Forbidden											
	<i>Inositol hexanitrate (dry)</i>	Forbidden											
	Insecticide gases, n.o.s.	2.2	UN1968	.....	2.2	.....	306	304	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. <i>Initiation hazard Zone A</i>	2.3	UN3355	.....	2.3,	1	None	192	245	Forbidden	Forbidden	D	40
	Insecticide gases, toxic, flammable, n.o.s. <i>Initiation hazard Zone A</i>	2.1	UN3355	.....	2.1	.....	None	302, 305	314,	Forbidden	Forbidden	D	40
	Insecticide gases, toxic, flammable, n.o.s. <i>Initiation hazard Zone B</i>	2.3	UN3355	.....	2.3,	2, B9, B14	None	302, 305	315	Forbidden	Forbidden	D	40
	Insecticide gases, toxic, flammable, n.o.s. <i>Initiation hazard Zone B</i>	2.1	UN3355	.....	2.1	.....	None	302, 305	314,	Forbidden	Forbidden	D	40
	Insecticide gases, toxic, flammable, n.o.s. <i>Initiation hazard Zone C</i>	2.3	UN3355	.....	2.3,	3, B14	None	302, 305	315	Forbidden	Forbidden	D	40
	Insecticide gases, toxic, flammable, n.o.s. <i>Initiation hazard Zone C</i>	2.1	UN3355	.....	2.1	.....	None	302, 305	314,	Forbidden	Forbidden	D	40
	Insecticide gases, toxic, flammable, n.o.s. <i>Initiation hazard Zone D</i>	2.3	UN3355	.....	2.3,	4	None	302, 305	315	Forbidden	Forbidden	D	40
	Insecticide gases, toxic, n.o.s.	2.3	UN1967	.....	2.3	.....	None	193, 334	245	Forbidden	Forbidden	D	40
	<i>Inulin trinitrate (dry)</i>	8	UN3495	.....	8, 6.1	.....	154	213	240	25 kg	100 kg	B	40, 55
	Iodine	8	UN3498	.....	8	.....	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90
	<i>Iodine azide (dry)</i>	8	UN3498	.....	8	.....	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90
	Iodine monochloride, liquid	8	UN3498	.....	8	.....	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90
	Iodine monochloride, solid	8	UN1792	.....	8	.....	None	212	240	Forbidden	50 kg	D	40, 66, 74, 89, 90
	Iodine pentafluoride	5.1	UN2495	.....	5.1,	.....	None	205	243	Forbidden	Forbidden	D	25, 40, 52, 66, 90
				.....	6.1,	.....	None	205	243	Forbidden	Forbidden	D	25, 40, 52, 66, 90
				.....	8	.....	None	205	243	Forbidden	Forbidden	D	25, 40, 52, 66, 90
	2-Iodobutane	3	UN2390	.....	3	.....	150	202	242	5 L	60 L	B	40, 66, 74, 89, 90
	Iodomethylpropanes	3	UN2391	.....	3	.....	150	202	242	5 L	60 L	B	40, 66, 74, 89, 90
	Iodopropanes	3	UN2392	.....	3	.....	150	203	242	60 L	220 L	A	40, 66, 74, 89, 90

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	<i>Iodoxy compounds (dry)</i>	Forbidden											
	<i>Iridium nitratopentamine iridium nitrate</i>	Forbidden											
	<i>Iron chloride, see Ferric chloride</i>												
	<i>Iron oxide, spent, or iron sponges, spent obtained from coal gas purification</i>	4.2	UN1376	III	4.2	B18, B134, IB8, IP21, T1, TP33, W100	None	213	240	Forbidden	Forbidden	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	226	244	Forbidden	Forbidden	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	304	314, 315	Forbidden	150 kg	E	40
	<i>Isobutanol or isobutyl alcohol</i>	3	UN1212	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Isobutyl acetate</i>	3	UN1213	II	3	IB2, T4, TP1	150	202	242	60 L	60 L	B	
	<i>Isobutyl acrylate, stabilized</i>	3	UN2527	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25
	<i>Isobutyl alcohol, see Isobutanol</i>												
	<i>Isobutyl aldehyde, see Isobutyraldehyde</i>												
	<i>Isobutyl formate</i>	3	UN2393	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	<i>Isobutyl isobutyrate</i>	3	UN2528	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	<i>Isobutyl isocyanate</i>	6.1	UN2486	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP27	None	226	244	Forbidden	Forbidden	D	40
	<i>Isobutyl methacrylate, stabilized</i>	3	UN2283	III	3	387, B1, IB3, T2, TP1	150	203	242	60 L	220 L	C	25
	<i>Isobutyl propionate</i>	3	UN2394	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	B	
	<i>Isobutyramine</i>	3	UN1214	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40
	<i>Isobutylene, see also Petroleum gases, liquefied</i>	2.1	UN1055		2.1	19, T50	306	304	314, 315	Forbidden	150 kg	E	40
	<i>Isobutyraldehyde or Isobutyl aldehyde</i>	3	UN2045	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	40
	<i>Isobutyric acid</i>	3	UN2529	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
	<i>Isobutyronitrile</i>	3	UN2284	II	3, 6.1	IB2, T7, TP2, TP13	150	202	243	1 L	60 L	E	40
	<i>Isobutryl chloride</i>	3	UN2395	II	3, 8	IB1, T7, TP2	150	202	243	1 L	5 L	C	40

+

G	Isocyanates, flammable, toxic, n.o.s. or isocyanate solutions, flammable, toxic, n.o.s., flash point less than 23 degrees C	3	UN2478	II	3, 6.1	5, A3, A7, IB2, T11, TP2, TP13, TP27, W31	150	202	243	1 L	60 L	D	40
G	Isocyanates, toxic, flammable, n.o.s. or isocyanate solutions, toxic, flammable, n.o.s., flash point not less than 23 degrees C but not more than 61 degrees C and boiling point less than 300 degrees C	6.1	UN3080	II	6.1, 3	5, A3, A7, IB3, T7, TP1, TP13, TP28, W31	150	203	242	60 L	220 L	A	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	UN2206	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	25, 40
	Isocyanatobenzotrifluorides			III	6.1	IB3, T7, TP1, TP13, TP28	153	203	241	60 L	220 L	E	25, 40
	Isopentenes	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	
	Isophorone diisocyanate	6.1	UN2290	III	6.1	IB3, T4, TP2	153	203	241	60 L	220 L	B	40
	Isophoronediamine	8	UN2289	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	
	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 alcohol, see Isopropanol												
	Isopropyl butyrate	8	UN1793	III	8	IB2, T4, TP1	154	213	240	25 kg	100 kg	A	
	Isopropyl chloroacetate	3	UN2405	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Isopropyl chloroformate	3	UN2947	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
		6.1	UN2407	I	6.1, 3, 8	2, B9, B14, B32, B77, T20, TP2, TP13, TP36, TP44	None	227	244	Forbidden	Forbidden	B	21, 40, 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, TP36, TP44	None	226	244	Forbidden	Forbidden	D	40
+	Isopropyl mercaptan, see Propanethiols												
	Isopropyl nitrate	3	UN1222	II	3	IB9	150	202	None	5 L	60 L	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)
D	Isopropyl phosphoric acid, see Iso-propyl acid phosphate	3 3 3 3 Forbidden 4.1 4.1 Forbidden	UN2409 UN1221 UN1918 UN2907 UN3251	II I III II III	3 3, 8 3 4.1 4.1	IB2, T4, TP1 T11, TP2 B1, IB3, T2, TP1 IB6, IP2, N85 66, 159, IB8	150 None 150 None 151	202 201 203 212 223	242 243 242 None 240	5 L 0.5 L 60 L 15 kg Forbidden	60 L 2.5 L 220 L 50 kg Forbidden	B E A E D	25 25 25 25 12, 25, 40, 84
	Jet fuel, see Fuel aviation, turbine engine												
	Jet perforating guns, charged oil well, with detonator												
	Jet perforating guns, charged oil well, with detonator												
	Jet perforating guns, charged, oil well, without detonator												
	Jet perforating guns, charged oil well, without detonator												
	Jet perforators, see Charges, shaped, etc												
	Jet tappers, without detonator, see Charges, shaped, etc												
	Jet thrust igniters, for rocket motors or Jato, see Igniters												
	Jet thrust unit (Jato), see Rocket motors												
G	Kerosene	3	UN1223	III	3	144, B1, IB3, T2, TP2 T11, TP8, TP27	150	203	242	60 L 1 L 30 L	220 L 30 L 60 L	A E B	25, 88, 128
	Ketones, liquid, n.o.s.	3	UN1224	I	3	IB2, T7, TP1, IP8, TP28 B1, IB3, T4, TP1, TP29 155, IB6, IP2, T3, TP33	None 150 150	201 202 203 212	243 242 242 242	1 L 5 L 60 L 15 kg	220 L 220 L 50 kg	A A B	
	Krill meal	4.2	UN3497	II	4.2		None	212	242	15 kg	50 kg	B	

Krypton, compressed	2.2	UN1056	III	4.2	155, IB8, IP3, T1, TP33	None	213	242	25 kg	100 kg	A	128
Krypton, refrigerated liquid (cryogenic liquid)	2.2	UN1970	2.2	2.2	306, 307	302	None	75 kg	150 kg	A		
Lacquer base or lacquer chips, nitrocellulose, dry, see Nitrocellulose, etc. (UN 2557)	2.2		2.2	2.2	T75, TP5	320	None	None	500 kg	D		
Lacquer base or lacquer chips, plastic, wet with alcohol or solvent, see Nitrocellulose (UN2059, UN2555, UN2556, UN2557) or Paint etc.(UN1263)	6.1	UN1616	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	A		
Lead acetate	6.1	UN1617	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A		
Lead arsenates	6.1	UN1618	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A		
Lead azides (dry)	Forbidden								Forbidden	05	25	
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			
Lead compounds, soluble, n.o.s	6.1	UN2291	III	6.1	138, IB8, IP3, T1, TP33	153	213	240	100 kg	A		
Lead cyanide	6.1	UN1620	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	A	52	
Lead dioxide	5.1	UN1872	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	A		
Lead dross, see Lead sulfate, with more than 3 percent free acid	5.1	UN1469	II	5.1,	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	A		
Lead nitrate	6.1			6.1								
Lead nitroresorcinate (dry)	Forbidden											
Lead perchlorate, solid	5.1	UN1470	II	5.1,	IB6, IP2, T3, TP33	152	212	242	5 kg	A	56, 58	
Lead perchlorate, solution	5.1	UN3408	II	5.1,	IB2, T4, TP1	152	202	243	1 L	A	56, 58	
			III	5.1,	IB2, T4, TP1	152	203	242	2.5 L	A	56, 58	
				6.1								
Lead peroxide, see Lead dioxide	4.1	UN2989	II	4.1	IB8, IP2, IP4, T3, TP33	None	212	240	15 kg	B	34.	
Lead phosphite, dibasic	Forbidden											
Lead picrate (dry)	1.1A	UN0130	.....	1.1A	111, 117	None	62	None	Forbidden	05	25	
Lead styphnate (dry)	Forbidden											
Lead styphnate, wetted or Lead trinitroresorcinate, wetted with not less than 20 percent water or mixture of alcohol and water, by mass	8	UN1794	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	A		
Lead sulfate with more than 3 percent free acid												
Lead trinitroresorcinate, see Lead styphnate, etc	9	UN3072	.....	None	182	None	219	None	No limit	A	122	
Life-saving appliances, not self-inflating containing dangerous goods as equipment									No limit			

§ 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	Life-saving appliances, self inflating Lighters containing flammable gas Lighters, new or empty, purged of all residual fuel and vapors Lighters, non-pressurized, containing flammable liquid, Lighter refills containing flammable gas not exceeding 4 fluid ounces (7.22 cubic inches) and 65 grams or flammable gas Lighter replacement cartridges containing liquefied petroleum gases see Lighter refills containing flammable gas. Etc.	9	UN2990	.....	None	338	None	219	None	No limit	A	122
		2.1	UN1057	.....	2.1	168	21,308	21,308	None	1 kg	B	40
		3	NA1057	II	3	168	21	None	None	Forbidden	Forbidden	B	40
		2.1	UN1057	2.1	169	306	306	306	1 kg	15 kg	B	40
G	Lime, unslaked, see Calcium oxide Liquefied gas, flammable, n.o.s.	1.4S	UN0131	.....	1.4S	.....	None	62	None	25 kg	01	25
		2.1	UN3161	.....	2.1	T50	306	304	314, 315	Forbidden	D	40
G	Liquefied gas, n.o.s.	2.2	UN3163	.....	2.2	T50	306	304	314, 315	150 kg	A	
		2.2	UN3157	.....	2.2, 5.1	A14	306	304	314, 315	75 kg	D	
G I	Liquefied gas, oxidizing, n.o.s.	2.3	UN3308	.....	2.3, 8	1	None	192	245	Forbidden	D	40
		2.3	UN3308	.....	2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	D	40
G I	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3308	.....	2.3, 8	3, B14	None	304	314, 315	Forbidden	D	40
		2.3	UN3308	.....	2.3, 8	4	None	304	314, 315	Forbidden	D	40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone D	2.3	UN3309	.....	2.3, 8	1	None	192	245	Forbidden	D	17, 40
		2.3	UN3309	.....	2.1, 8	2, B9, B14	None	304	314, 315	Forbidden	D	17, 40
G I	Liquefied gas toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3309	.....	2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	D	17, 40
		2.3	UN3309	.....	2.1, 8	2, B9, B14	None	304	314, 315	Forbidden	D	17, 40

G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3309	2.3, 2.1, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	17, 40
G I	Liquefied gas, toxic, flammable, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3309	2.3, 2.1, 8	4	None	304	314, 315	Forbidden	Forbidden	D	17, 40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3160	2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3160	2.3, 2.1	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3160	2.3, 2.1	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, flammable, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3160	2.3, 2.1	4	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3162	2.3	1	None	192	245	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3162	2.3	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3162	2.3	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3162	2.3	4	None	304	314, 315	Forbidden	Forbidden	D	40
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3310	2.3, 5.1, 8	1	None	192	245	Forbidden	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3310	2.3, 5.1, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3310	2.3, 5.1, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
G I	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3310	2.3, 5.1, 8	4	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3307	2.3, 5.1	1	None	192	245	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3307	2.3, 5.1	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3307	2.3, 5.1	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
G	Liquefied gas, toxic, oxidizing, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3307	2.3, 5.1	4	None	304	314, 315	Forbidden	Forbidden	D	40
	Liquefied gases, non-flammable charged with nitrogen, carbon dioxide or air	2.2	UN1058	2.2	306	306	304	None	75 kg	150 kg	A	
	Liquefied hydrocarbon gas, see Hydrocarbon gas mixture, liquefied, n.o.s. <i>Liquefied natural gas, see Methane, etc. (UN 1972)</i>											

§ 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)
	Liquefied petroleum gas, see Petroleum gases, liquefied Lithium	4.3	UN1415	I	4.3	A7, A19, IB4, IP1, N45, T9, TP7, TP33, W32	151	211	244	Forbidden	15 kg	D	13, 52, 148
	<i>Lithium acetylaldehyde ethylenediamine complex, see Water reactive solid etc.</i> Lithium aluminum hydride	4.3	UN1410	I	4.3	A19, W32	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Lithium aluminum hydride, ethereal	4.3	UN1411	I	4.3, 3	A2, A3, A11, N34	None	201	244	Forbidden	1 L	D	13, 40, 148
	Lithium borohydride	4.3	UN1413	I	4.3	A19, N40, W32	None	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, W32	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	III	8	B2, IB2, T7, TP2, IB3, T4, TP2	154	202	242	1 L	30 L	A	29, 52
							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
							152	213	240	25 kg	100 kg	A	4, 25, 52, 56, 58, 69, 106, 116
	<i>Lithium in cartridges, see Lithium Lithium ion batteries including lithium ion polymer batteries</i>	9	UN3480	.....	9	422, A51, A54	185	185	185	5 kg	35 kg	A	

Lithium ion batteries contained in equipment, including lithium ion polymer batteries	9	UN3481	.....	9	181, 422, A54	185	185	5 kg	35 kg	A	
Lithium ion batteries packed with equipment including lithium ion polymer batteries	9	UN3481	.....	9	181, 422, A54	185	185	5 kg	35 kg	A	
Lithium metal batteries including lithium alloy batteries	9	UN3090	.....	9	422, A54	185	185	Forbidden	35 kg	A	
Lithium metal batteries contained in equipment including lithium alloy batteries	9	UN3091	.....	9	181, 422, A54, A101	185	185	5 kg	35 kg	A	
Lithium metal batteries packed with equipment including lithium alloy batteries	9	UN3091	.....	9	181, 422, A54	185	185	5 kg	35 kg	A	
Lithium nitrate	5.1	UN2722	III	5.1	A1, IB8, IP3, T1, TP33	152	213	25 kg	100 kg	A	
Lithium nitride	4.3	UN2806	I	4.3	A19, IB4, IP1, N40, W32	None	211	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	5 kg	25 kg	C	
Lithium silicon	4.3	UN1417	II	4.3	A19, A20, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	15 kg	50 kg	A	13, 85, 103, 148
LNG, see Methane etc. (UN 1972)											
London purple											
LPG, see Petroleum gases, liquefied											
Lye, see Sodium hydroxide, solutions											
Magnesium aluminum phosphide	4.3	UN1419	I	4.3, 6.1	A19, N34, N40, W32	None	211	Forbidden	15 kg	E	13, 40, 52, 85, 148
Magnesium arsenate	6.1	UN1622	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A	
Magnesium bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.											
Magnesium bromate	5.1	UN1473	II	5.1	A1, IB8, IP2, IP4, T3, TP33	152	212	5 kg	25 kg	A	56, 58
Magnesium chlorate	5.1	UN2723	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	5 kg	25 kg	A	56, 58
Magnesium diamide	4.2	UN2004	II	4.2	AB, A19, A20, IB6, T3, TP33, W31	None	212	15 kg	50 kg	C	13, 148
Magnesium dross, wet or hot	Forbidden										
Magnesium fluosilicate	6.1	UN2853	III	6.1	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A	52
Magnesium granules, coated, particle size not less than 149 microns	4.3	UN2850	III	4.3	A1, A19, IB8, IP4, T1, TP33, W100	151	213	25 kg	100 kg	A	13, 52, 148
Magnesium hydride	4.3	UN2010	I	4.3	A19, N40, W32	None	211	Forbidden	15 kg	E	13, 52, 148

+

Manganese nitrate	5.1	UN2724	III	5.1	A1, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	25
Manganese resinates	4.1	UN1330	III	4.1	A1, IB6, T1, TP33	151	213	240	25 kg	100 kg	A	
Mannitol hexanitrate	1.1D	UN0133	.....	1.1D	121	None	62	None	Forbidden	Forbidden	04	
Mannitol, wetted or Nitromannite, wetted with not less than 40 percent water, or mixture of alcohol and water, by mass												
Marine pollutants, liquid or solid, n.o.s., see Environmentally hazardous substances, liquid or solid, n.o.s.												
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												
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	
Medicine, solid, toxic, n.o.s.	6.1	UN3249	III	6.1		153	202	243	5 L	60 L	C	40
Mentylhydrophthalic anhydride, see Corrosive liquids, n.o.s.												
Mercaptans, liquid, flammable, n.o.s. or Mercaptan mixture, liquid, flammable, n.o.s.	3	UN3336	I	3	T1, TP2	150	201	243	1 L	30 L	E	95, 102
Mercaptans, liquid, flammable, toxic, n.o.s. or Mercaptan mixtures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	IB2, T7, TP1, TP8, TP28, B1, B52, IB3, T4, TP1, TP29	150	202	242	5 L	60 L	B	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	II	6.1, 3	IB2, T11, TP2, TP27	153	203	241	60 L	220 L	B	95, 102
5-Mercaptoimidazole-1-acetic acid	1.4C	UN0448	.....	1.4C	A6, B1, IB3, T7, TP1, TP28	None	203	242	5 L	220 L	A	40, 95, 102
Mercuric arsenate	6.1	UN1623	II	6.1	A6, IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	C	40, 102, 121
Mercuric chloride	6.1	UN1624	II	6.1	.....	153	212	242	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	Non-bulk	Bulk	Passenger aircraft/rail	Cargo air-craft only	Loca-tion	Other
	Mercuric compounds, see Mercury compounds, etc												
	Mercuric nitrate	6.1	UN1625	II	6.1	IB8, IP2, IP4, N73, T3, TP33	153	212	242	25 kg	100 kg	A	
+	Mercuric potassium cyanide	6.1	UN1626	I	6.1	IB7, IP1, N74, N75, T6, TP33, W31	None	211	242	5 kg	50 kg	A	52
	Mercuric sulfocyanate, see Mercury thiocyanate												
	Mercural, see Mercury nucleate												
	Mercurous azide	Forbidden											
	Mercurous compounds, see Mercury compounds, etc												
	Mercurous nitrate	6.1	UN1627	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury	8	UN2809	III	8, 6.1		365	164	240	35 kg	35 kg	B	40, 97
A	Mercury acetate	6.1	UN1629	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
W	Mercury acetylacrylate	Forbidden											
	Mercury ammonium chloride	6.1	UN1630	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2778	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Mercury based pesticides, liquid, toxic	6.1	UN3012	I	6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
						T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
						IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
						IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
						T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
						IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
						IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
						IB7, IP1, T6, TP33	None	211	242	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
						IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40

G	Mercury bromides	6.1	UN1634	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Mercury compound, liquid, n.o.s.	6.1	UN2024	I	6.1	IB2	None	201	243	1 L	30 L	B	40
G	Mercury compound, solid, n.o.s.	6.1	UN2025	III	6.1	IB3	153	202	243	5 L	60 L	B	40
				II	6.1	IB7, IP1, T6, TP33	None	211	241	5 kg	220 L	B	40
A W	Mercury contained in manufactured articles	8	UN3506	III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	100 kg	A	40, 97
				.....	8, 6.1	IB8, IP3, T1, TP33	153	213	200 kg	A	200 kg	A	
G	Mercury fulminate, wetted with not less than 20 percent water, or mixture of alcohol and water, by mass	6.1	UN1636	II	6.1	IB8, IP2, IP4, N74, N75, T3, TP33	153	212	242	25 kg	100 kg	A	52
		1.1A	UN0135	.....	1.1A	111, 117	None	62	None	Forbidden	Forbidden	05	25
G	Mercury gluconate	6.1	UN1637	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
		6.1	UN1638	II	6.1	IB2, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
G	Mercury iodide	Forbidden	UN1639	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	A	100 kg	A	
G	Mercury nitride	Forbidden	UN1640	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	A	100 kg	A	
G	Mercury oleate	Forbidden	UN1641	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	A	100 kg	A	
G	Mercury oxycyanide	6.1	UN1642	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	A	100 kg	A	
G	Mercury potassium iodide	6.1	UN1643	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	A	100 kg	A	
G	Mercury salicylate	6.1	UN1644	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	A	100 kg	A	
G	Mercury sulfates	6.1	UN1645	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52, 91
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	A	100 kg	A	
G	Mercury thiocyanate	3	UN1229	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40
				I	6.1	5, T14, TP2, TP13	None	201	243	1 L	30 L	B	
G	Metal carbonyls, liquid, n.o.s.	6.1	UN3281	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
				III	6.1	IB3, T7, TP1, TP28	153	203	60 L	A	220 L	A	
G	Metal carbonyls, solid, n.o.s.	6.1	UN3466	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	D	40
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	B	40		
G	Metal catalyst, dry	4.2	UN2881	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	B	40
				I	4.2	N34, T21, TP7, TP33, W31	None	187	Forbidden	C	Forbidden	C		13, 147, 148
G	Metal catalyst, wetted with a visible excess of liquid	4.2	UN1378	II	4.2	IB6, IP2, N34, T3, TP33, W31	None	187	242	Forbidden	50 kg	C	13, 147, 148
				III	4.2	B135, IB8, IP21, N34, T1, TP33, W31	None	187	25 kg	C	100 kg	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)																					
	Metal hydrides, flammable, n.o.s	4.1	UN3182	II	4.1	A1, IB4, T3, TP33, W31, W40	151	212	240	15 kg	50 kg	E																						
														4.3	UN1409	I	4.1	A1, IB4, T1, TP33, W31	151	213	240	25 kg	100 kg	E	13, 52, 148									
																										4.3	None	211	242	Forbidden	15 kg	50 kg	D	13, 52, 148
4.2	UN3189	II	4.2	A19, N34, N40, W32	None	213	241	15 kg	50 kg	C	13, 148																							
												4.2	None	213	241	25 kg	100 kg	C	13, 148															
4.1	UN3089	II	4.1	A19, IB4, N34, N40, T3, TP33, W31, W40	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																							
												4.1	None	213	241	25 kg	100 kg	C	13, 148															
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213	241	25 kg	100 kg	C	13, 148																			
4.1	None	212	240	15 kg	50 kg	B	13, 74, 147, 148																											
								4.1	None	213																								

§ 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)	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 butylate	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
	<i>Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures</i>												
	Methyl chloride and methylene chloride mixtures	2.1	UN1912		2.1	N86, T50	306	304	314, 315	Forbidden	150 kg	D	40
	Methyl chloroacetate	6.1	UN2295	I	6.1, 3	T14, TP2, TP13	None	201	243	1 L	30 L	D	
	<i>Methyl chloroacetate, see Methyl chloroformate</i>												
	<i>Methyl chloroform, see 1,1,1-Trichloroethane</i>												
	Methyl chloroformate	6.1	UN1238	I	6.1, 3, 8	1, B9, B14, B30, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	21, 40, 100
	Methyl chloromethyl ether	6.1	UN1239	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	Methyl 2-chloropropionate	3	UN2833	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	
	Methyl dichloroacetate	6.1	UN2299	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	<i>Methyl ethyl ether, see Ethyl methyl ether</i>												
	Methyl ethyl ketone, see Ethyl methyl ketone												
	<i>Methyl ethyl ketone peroxide, in solution with more than 9 percent by mass active oxygen</i>	Forbidden											
	2-Methyl-5-ethylpyridine	6.1	UN2300	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Methyl fluoride, or Refrigerant gas R 41	2.1	UN2454		2.1		306	304	314, 315	Forbidden	150 kg	E	40
	Methyl formate	3	UN1243	I	3	T11, TP2	150	201	243	1 L	30 L	E	
	2-Methyl-2-heptanethiol	6.1	UN3023	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40, 102
	Methyl iodide	6.1	UN2644	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	12, 25, 40
	Methyl isobutyl carbinol	3	UN2053	III	3	B1, B3, T2, TP1	150	203	242	60 L	220 L	A	

Methyl isobutyl ketone	3	UN1245	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Methyl isobutyl ketone peroxide, in solution with more than 9 percent by mass active oxygen	6.1	UN2480	I	6.1, 3	1, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40, 52
Methyl isocyanate	3	UN1246	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25
Methyl isopropenyl ketone, stabilized	6.1	UN2477	I	6.1, 3	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
Methyl isothiocyanate	3	UN2400	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Methyl isovalerate	4.3	UN1928	I	4.3, 3	.....	None	201	243	Forbidden	1 L	D	13, 148
Methyl magnesium bromide, in ethyl ether	2.3	UN1064		2.3, 2.1	3, B7, B9, B14, N89, T50	None	304	314, 315	Forbidden	Forbidden	D	40
Methyl mercaptan	3	UN1247	II	3	387, IB2, T4, TP1	150	202	242	5 L	60 L	C	25, 40
Methyl mercaptopropionaldehyde, see 4-Thiapentanal												
Methyl methacrylate monomer, stabilized	Forbidden											
Methyl nitramine (dry)	Forbidden											
Methyl nitrate	Forbidden											
Methyl nitrite	Forbidden											
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	
Methyl phosphonothioic dichloride, anhydrous, see Corrosive liquid, n.o.s.												
Methyl phosphorous 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)	Forbidden											
Methyl propionate	3	UN1248	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Methyl propyl ether	3	UN2612	II	3	IB2, IP8, T7, TP2	150	202	242	5 L	60 L	E	40
Methyl propyl ketone	3	UN1249	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
Methyl sulfate, see Dimethyl sulfate												
Methyl sulfide, see Dimethyl sulfide												
Methyl trichloroacetate	6.1	UN2533	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Methyl trimethylol methane trinitrate	Forbidden											
Methyl vinyl ketone, stabilized	6.1	UN1251	I	6.1, 3, 8	1, 387, B9, B14, B30, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	B	21, 25, 40, 100
Methylal	3	UN1234	II	3	IB2, IP8, T7, TP2	None	202	242	5 L	60 L	E	

D

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	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	Loca-tion	Other
	Methylamine, anhydrous	2.1	UN1061		2.1	N87, T50	306	304	314, 315	150 kg		B	40
	Methylamine, aqueous solution	3	UN1235	II	3, 8	B1, IB2, T7, TP1	150	202	243	1 L	5 L	E	52, 135.
	<i>Methylamine dinitramine and dry salts thereof</i>	Forbidden											
	<i>Methylamine nitroform</i>	Forbidden											
	<i>Methylamine perchlorate (dry)</i>	3	UN1233	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	N-Methylamine	6.1	UN2294	III	6.1	IB3, T4, TP2	153	203	241	60 L	220 L	A	
	alpha-Methylbenzyl alcohol, liquid	6.1	UN2937	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	alpha-Methylbenzyl alcohol, solid	6.1	UN3438	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	3-Methylbutan-2-one	3	UN2397	III	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	N-Methylbutylamine	3	UN2945	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40
	Methylchlorosilane	2.3	UN2534		2, 3, 2.1, 8	2, B9, B14, N34	None	226	314, 315	Forbidden	Forbidden	D	17, 40
	Methylcyclohexane	3	UN2296	II	3	B1, IB2, T4, TP2	150	202	242	5 L	60 L	B	
	Methylcyclohexanols, flammable	3	UN2617	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methylcyclohexanone	3	UN2297	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
	Methylcyclopentane	3	UN2298	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Methyldichlorosine	6.1	NA1556	I	6.1	2, T20, TP4, TP13, TP38, TP45	None	192	None	Forbidden	Forbidden	D	40
	Methyldichlorosilane	4.3	UN1242	I	4, 3, 8, 3	A2, A3, A7, B6, B77, N34, T14, TP2, TP7, TP13, W31	None	201	243	Forbidden	1 L	D	21, 40, 49, 100
	<i>Methylene chloride, see Dichloromethane</i>												
	<i>Methylene glycol dinitrate</i>	Forbidden											
	2-Methylfuran	3	UN2301	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
	<i>a-Methylglucoside tetranitrate</i>	Forbidden											
	<i>a-Methylglucosyl trinitrate</i>	Forbidden											
	5-Methylhexan-2-one	3	UN2302	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	21, 40, 49, 52 and 100
	Methylhydrazine	6.1	UN1244	I	6, 1, 3, 8	1, B7, B9, B14, B30, B77, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	

4-Methylmorpholine	3	UN2535	II	3, 8	B6, IB2, T7, TP1	150	202	243	1 L	5 L	B	40
methylmorpholine	3	UN2461	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	E	
Methylpentadienes	3	UN2560	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
2-Methylpentan-2-ol	8	UN2437	II	8	T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
Methylpentanes, see Hexanes	3	UN2399	II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	52.
Methylphenylchlorosilane	3	UN2536	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
1-Methylpiperidine	3	UN1250	II	3, 8	A7, B6, B77, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	5 L	B	40
Methyltetrahydrofuran	3	UN2367	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
Methyltrichlorosilane	3	UN2367	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
alpha-Methylvaleraldehyde	1.1F	UN0136	.....	1.1F	.....		62	None	Forbidden	Forbidden	05	25
Mine rescue equipment containing carbon dioxide, see Carbon dioxide	1.1D	UN0137	.....	1.1D	.....		62	62	Forbidden	Forbidden	04	25
Mines with bursting charge	1.2D	UN0138	.....	1.2D	.....		62	62	Forbidden	Forbidden	04	25
Mines with bursting charge	1.2F	UN0294	.....	1.2F	.....		62	None	Forbidden	Forbidden	05	25
Mixed acid, see Nitric acid, mixtures etc												
Mobility aids, see Battery powered equipment or Battery powered vehicle												
Model rocket motor	1.4C	NA0276	.....	1.4C	51	None	62	None	Forbidden	75 kg	02	25
Model rocket motor	1.4S	NA0323	.....	1.4S	51	None	62	None	25 kg	100 kg	01	25
Molybdenum pentachloride	8	UN2508	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	C	40
Monochloroacetone (unstabilized)	Forbidden											
Monochloroethylene, see Vinyl chloride, stabilized												
Monoethanolamine, see Ethanolamine, solutions												
Monoethylamine, see Ethylamine												
Morpholine	8	UN2054	I	8, 3	A6, T10, TP2	None	201	243	0.5 L	2.5 L	A	
Morpholine, aqueous, mixture, see Corrosive liquids, n.o.s.												
Motor fuel anti-knock compounds see Motor fuel anti-knock mixtures												
Motor fuel anti-knock mixture, flammable	6.1	UN3483	I	6.1, 3	14, T14, TP2, TP13	None	201	244	Forbidden	Forbidden	D	25, 40
Motor fuel anti-knock mixtures	6.1	UN1649	I	6.1	14, B9, B90, T14, TP2, TP13	None	201	244	Forbidden	30 L	D	25, 40
Motor spirit, see Gasoline												
Muratic acid, see Hydrochloric acid												
Musk xylene, see 5-tert-Butyl-2,4,6-trinitro-m-xylene												
Naphtha see Petroleum distillates n.o.s.												
Naphthalene, crude or Naphthalene, refined	4.1	UN1334	III	4.1	A1, B120, IB8, IP3, T1, TP33	151	213	240	25 kg	100 kg	A	

D D

Nicotine hydrochloride liquid or solution	6.1	UN1656	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	56, 58, 133
Nicotine hydrochloride, solid	6.1	UN3444	III	6.1	IB3	153	203	241	60 L	220 L	A	56, 58, 133
Nicotine salicylate	6.1	UN1657	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	56, 58
Nicotine sulfate solution	6.1	UN1658	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	56, 58
Nicotine sulphate, solid	6.1	UN3445	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	56, 58
Nicotine tartrate	6.1	UN1659	II	6.1	IB3, T7, TP2	153	203	241	60 L	220 L	A	56, 58
Nitrated paper (unstable)	Forbiddn		II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	56, 58
Nitrates, inorganic, aqueous solution, n.o.s.	5.1	UN3218	II	5.1	58, IB2, T4, TP1	152	202	242	1 L	5 L	B	40, 66
Nitrates, inorganic, n.o.s.	5.1	UN1477	III	5.1	58, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	40, 66
Nitrates of diazonium compounds	Forbiddn		II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	40, 66
Nitrating acid mixtures, spent with more than 50 percent nitric acid	8	UN1826	III	5.1	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	40, 66
Nitrating acid mixtures, spent with not more than 50 percent nitric acid	8	UN1826	I	8, 5.1	A7, T10, TP2, TP13	None	158	243	Forbiddn	2.5 L	D	40, 66
Nitrating acid mixtures with more than 50 percent nitric acid	8	UN1796	I	8, 5.1	A7, T10, TP2, TP13	None	158	243	Forbiddn	30 L	D	40
Nitrating acid mixtures with not more than 50 percent nitric acid	8	UN1796	II	8	A7, B2, IB2, T8, TP2, TP13	None	158	242	Forbiddn	30 L	D	40
Nitric acid, other than red fuming, with at least 65 percent, but not more than 70 percent nitric acid	8	UN2031	II	8, 5.1	A6, B2, B47, B53, IB2, IP15, T8, TP2	None	158	242	Forbiddn	30 L	D	66, 74, 89, 90
Nitric acid, other than red fuming, with more than 20 percent and less than 65 percent nitric acid	8	UN2031	II	8	A6, B2, B47, B53, IB2, IP15, T8, TP2	None	158	242	Forbiddn	30 L	D	44, 66, 74, 89, 90
Nitric acid, red fuming with not more than 20 percent nitric acid	8	UN2032	I	8, 5.1, 6.1	2, B9, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40, 66, 74, 89, 90
Nitric acid, red fuming with more than 20 percent nitric acid	8	UN2031	I	8, 5.1	A3, B47, B53, T10, TP2, TP12, TP13	None	158	243	Forbiddn	2.5 L	D	44, 66, 89, 90, 110, 111
Nitric oxide, compressed	2.3	UN1660	2.3, 5.1, 8	2.3, 5.1, 8	1, B77	None	337	None	Forbiddn	Forbiddn	D	40, 89, 90
Nitric oxide and dinitrogen tetroxide mixtures	2.3	UN1975	2.3, 5.1, 8	2.3, 5.1, 8	1, B77	None	337	None	Forbiddn	Forbiddn	D	40, 89, 90
Nitrites, flammable, toxic, n.o.s.	3	UN3273	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbiddn	30 L	E	40, 52

+

G

§ 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	Nitrites, inorganic, aqueous solution, n.o.s.	5.1	UN3219	II	3, 6.1	IB2, T11, TP2, TP13, TP27 148, IB1, T4, TP1	150	202	243	1 L 1 L	60 L 5 L	B B	40, 52 46, 56, 58, 133	
G	Nitrites, inorganic, n.o.s.	5.1	UN2627	III	5.1	IB2, T4, TP1	152	203	241	2.5 L	30 L	B	46, 56, 58, 133	
G	Nitrites, liquid, toxic, n.o.s.	6.1	UN3276	I	6.1	33, IB8, IP2, IP4, T3, TP33 5, T14, TP2, TP13, TP27	None	201	243	5 kg 1 L	25 kg 30 L	A B	46, 56, 58, 13	
G	Nitrites, solid, toxic, n.o.s.	6.1	UN3439	III	6.1	IB2, T11, TP2, TP27 IB3, T7, TP1, TP28 IB7, IP1, T6, TP33	153	202	243	5 L 20 L	60 L 220 L	B A	52	
G	Nitrites, toxic, flammable, n.o.s.	6.1	UN3275	III	6.1	IB8, IP2, IP4, T3, TP33 IB8, IP3, T1, TP33 5, T14, TP2, TP13, TP27	153	212 213 201	242 240 243	25 kg 100 kg 1 L	50 kg 100 kg 30 L	D B B	52 52 40, 52	
	3-Nitro-4-chlorobenzotrifluoride 6-Nitro-4-diazotoluene-3-sulfonic acid (dry) Nitro isobutane trinitrate 2-Nitro-N-methylglycolamide nitrate 2-Nitro-2-methylpropanol nitrate Nitro urea N-Nitroaniline Nitroanilines (o-, m-, p-) Nitroanisole, liquid Nitroanisoles, solid Nitrobenzene m-Nitrobenzene diazonium perchlorate Nitrobenzenesulfonic acid	6.1 Forbidden Forbidden Forbidden Forbidden Forbidden 6.1 6.1 6.1 6.1 6.1 8	UN2307 UN0147 UN1661 UN2730 UN3458 UN1662 UN2305	II II III III II I II	6.1 1.1D 6.1 6.1 6.1 6.1 8 1.1D 6.1	IB2, T11, TP2, TP13, TP27 IB2, T7, TP2 IB8, IP2, IP4, T3, TP33 IB3, T4, TP1 IB8, IP3, T1, TP33 IB2, T7, TP2 B2, B4, IB8, IP2, IP4, T3, TP33 IB2, T7, TP2	153 None 153 153 153 153 154 None 153	202 62 212 203 213 202 202 202	243 None 242 241 240 243 242 None 243	5 L Forbidden 25 kg 60 L 100 kg 5 L 1 L 5 L 5 L	60 L Forbidden 100 kg 220 L 200 kg 60 L 30 L Forbidden 60 L	A 04 A A A A A A 04 A	40 25 40 25 40 25 40	
+														
+														

Nitrobenzotrifluorides, solid	6.1	UN3431	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Nitrobenzenes, liquid	6.1	UN2732	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Nitrobenzenes, solid	6.1	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	.....	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, W31	151	212	240	1 kg	15 kg	D	28, 36
Nitrocellulose membrane filters, with not more than 12.6% nitrogen, by dry mass	4.1	UN3270	II	4.1	43, A1	151	212	240	1 kg	15 kg	D	
Nitrocellulose, plasticized with not less than 18 percent plasticizing substance, by mass	1.3C	UN0343	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25
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	.....	None	62	None	5 L	60 L	B	
Nitrocellulose, wetted with not less than 25 percent alcohol, by mass	1.3C	UN0342	.....	1.3C	.....	None	62	None	60 L	220 L	A	
Nitrocellulose with alcohol with not less than 25 percent alcohol by mass, and with not more than 12.6 percent nitrogen, by dry mass	4.1	UN2556	II	4.1	W31	151	212	None	1 kg	15 kg	D	28, 36
Nitrocellulose with water with not less than 25 percent water by mass	4.1	UN2555	II	4.1	W31	151	212	None	15 kg	50 kg	E	28, 36
Nitrochlorobenzene, see Chloronitrobenzenes etc												
Nitroresols, liquid	6.1	UN3434	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
Nitroresols, 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												

§ 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)
	Nitrogen peroxide, see Dinitrogen tetroxide												
	Nitrogen, refrigerated liquid cryogenic liquid	2.2	UN1977		2.2	345, 346, T75, TP5	320	316	318	50 kg	500 kg	D	
	Nitrogen tetroxide and nitric oxide mixtures, see Nitric oxide and nitrogen tetroxide mixtures												
	Nitrogen tetroxide, see Dinitrogen tetroxide												
	Nitrogen trichloride	Forbidden											
	Nitrogen trifluoride	2.2	UN2451		2.2, 5.1		None	302	None	None	75 kg	D	40
	Nitrogen triiodide	Forbidden											
	Nitrogen triiodide monoamine	Forbidden											
	Nitrogen trioxide	2.3	UN2421		2.3, 5.1, 8	1	None	336	245	Forbidden	Forbidden	D	40, 89, 90
	Nitroglycerin, desensitized with not less than 40 percent non-volatile water insoluble phlegmatizer, by mass	1.1D	UN0143	.....	1.1D, 6.1	125	None	62	None	None	Forbidden	04	25, 21E
	Nitroglycerin, liquid, not desensitized	Forbidden											
	Nitroglycerin mixture, desensitized, liquid, flammable, n.o.s. with not more than 30 percent nitroglycerin, by mass	3	UN3343		3	129	None	214	None	None	Forbidden	D	
	Nitroglycerin mixture, desensitized, liquid, n.o.s. with not more than 30 percent nitroglycerin, by mass	3	UN3357	II	3	142	None	202	243	None	5 L	E	
	Nitroglycerin mixture, desensitized, solid, n.o.s. with more than 2 percent but not more than 10 percent nitroglycerin, by mass	4.1	UN3319	II	4.1	118	None	None	None	None	Forbidden	E	
	Nitroglycerin, solution in alcohol, with more than 1 percent but not more than 5 percent nitroglycerin	3	UN3064	II	3	N8	None	202	None	None	Forbidden	E	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Nitrous oxide	2.2	UN1070		2.2, 5.1	A14	306	304	314, 315	75 kg	150 kg	A	40
	Nitrous oxide, refrigerated liquid	2.2	UN2201		2.2, 5.1	B6, T75, TP5, TP22	None	304	314, 315	Forbidden	Forbidden	D	40
	Nitroxylene, liquid	6.1	UN1665	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Nitroxylene, solid	6.1	UN3447	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Nitroxylol, see Nitroxylene												
	Nonanes	3	UN1920	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	
	Non-flammable gas, n.o.s., see Compressed gas, etc. or Liquefied gas, etc												
	Nonliquefied gases, see Compressed gases, etc												
	Nonliquefied hydrocarbon gas, see Hydrocarbon gas mixture, compressed, n.o.s.												
	Nonyltrichlorosilane	8	UN1799	II	8	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbidden	30 L	C	40
	Nordhausen acid, see Sulfuric acid, fuming, etc												
	2,5-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	Forbidden	30 L	C	40
	Octadiene	3	UN2309	II	3	B1, IB2, T4, TP1	150	202	242	5 L	60 L	B	
	1,7-Octadine-3,5-diyne-1,8-dinitroxy-9-octadecynoic acid	Forbidden											
	Octafluorobut-2-ene or Refrigerant gas R 1318	2.2	UN2422		2.2		None	304	314, 315	75 kg	150 kg	A	
	Octafluorocyclobutane, or Refrigerant gas RC 318	2.2	UN1976		2.2	T50	None	304	314, 315	75 kg	150 kg	A	
	Octafluoropropane or Refrigerant gas R 218	2.2	UN2424		2.2	T50	None	304	314, 315	75 kg	150 kg	A	
	Octanes, etc. see Cyclohexamethylene tetranitramine, etc.	3	UN1262	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Organic peroxide type F, solid, tem-perature controlled	5.2	UN3120	.....	5.2	TP33	None (8A)	225 (8B)	225 (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	2, 25, 52, 53, 40 (10B)
D	Organic phosphate, mixed with compressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas	2.3	NA1955		2.3	3	None (8A)	334 (8B)	None (8C)	Forbidden (9A)	Forbidden (9B)	D (10A)	
G	Organic pigments, self-heating	4.2	UN3313	II	4.2	IB8, IP2, IP4, T3, TP33	None (8A)	212 (8B)	241 (8C)	15 kg (9A)	50 kg (9B)	C (10A)	
G	Organoarsenic compound, liquid, n.o.s.	6.1	UN3280	III	4.2	IB8, IP3, T1, TP33	None (8A)	213 (8B)	241 (8C)	25 kg (9A)	100 kg (9B)	C (10A)	
G	Organoarsenic compound, solid, n.o.s.	6.1	UN3465	I	6.1	5, T14, TP2, TP13, TP27	None (8A)	201 (8B)	242 (8C)	1 L (9A)	30 L (9B)	B (10A)	
G	Organochlorine pesticides liquid, flammable, toxic, flash point less than 23 degrees C	3	UN2762	III	6.1	IB2, T11, TP2, TP27	153 (8A)	202 (8B)	242 (8C)	5 L (9A)	60 L (9B)	B (10A)	
G	Organochlorine pesticides, liquid, toxic	6.1	UN2896	I	6.1	IB3, T7, TP1, TP28	153 (8A)	203 (8B)	241 (8C)	60 L (9A)	220 L (9B)	A (10A)	
G	Organochlorine pesticides, liquid, toxic	6.1	UN2995	I	6.1, 3	IB7, IP1, T6, TP33	None (8A)	211 (8B)	242 (8C)	5 kg (9A)	50 kg (9B)	A (10A)	
G	Organochlorine pesticides, solid, toxic	6.1	UN2761	III	6.1	IB2, T11, TP2, TP13, TP27	153 (8A)	202 (8B)	243 (8C)	5 L (9A)	60 L (9B)	B (10A)	
G	Organochlorine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2995	I	6.1, 3	B1, IB3, T7, TP2, TP28	153 (8A)	203 (8B)	242 (8C)	60 L (9A)	220 L (9B)	A (10A)	
G	Organochlorine pesticides, solid, toxic	6.1	UN2761	III	6.1	IB7, IP1, T6, TP33	None (8A)	211 (8B)	242 (8C)	5 kg (9A)	50 kg (9B)	A (10A)	
G	Organochlorine pesticides, liquid, toxic	6.1	UN2995	I	6.1, 3	IB8, IP2, IP4, T3, TP33	153 (8A)	212 (8B)	242 (8C)	25 kg (9A)	100 kg (9B)	A (10A)	
G	Organochlorine pesticides, liquid, toxic	6.1	UN2995	I	6.1, 3	IB8, IP3, T1, TP33	153 (8A)	213 (8B)	243 (8C)	100 kg (9A)	200 kg (9B)	A (10A)	

Pipeline and Haz. Matls. Safety Admin., DOT

§ 172.101

G	Organometallic compound, liquid, toxic, n.o.s	6.1	UN3282	I	6.1	T14, TP2, TP13, TP27	None	201	242	1 L	30 L	B	13, 78, 148
				II	6.1	IB2, T11, TP2, TP27	153	202	242	5 L	60 L	B	78, 148
				III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	52, 148
G	Organometallic compound, solid, toxic, n.o.s	6.1	UN3467	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	52, 148
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	13, 78, 148
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	13, 78, 148
				I	4.2	B11, T21, TP2, TP7, TP36	None	181	244	Forbidden	Forbidden	D	13, 78, 148
G	Organometallic substance, liquid, pyrophoric	4.2	UN3392	I	4.2	B11, T21, TP2, TP7, TP36, TP47	None	181	244	Forbidden	Forbidden	D	13, 52, 78, 148
G	Organometallic substance, liquid, pyrophoric, water-reactive	4.2	UN3394	I	4.3	T13, TP2, TP7, TP36, TP47, W31	None	201	244	Forbidden	1 L	D	13, 40, 52, 148
G	Organometallic substance, liquid, water-reactive	4.3	UN3398	I	4.3	IB1, IP2, T7, TP2, TP7, TP36, TP47, W31	None	202	243	1 L	5 L	D	13, 40, 52, 148
				II	4.3	IB2, IP4, T7, TP2, TP7, TP36, TP47, W31	None	203	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
				II	4.3, 3	IB1, IP2, T7, TP2, TP7, TP36, TP47, W31	None	202	243	1 L	5 L	D	13, 40, 52, 148
				III	4.3, 3	IB2, IP4, T7, TP2, TP7, TP36, TP47, W31	None	203	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, 40, 52, 148
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, 52, 148
G	Organometallic substance, solid, self-heating	4.2	UN3400	II	4.2	IB6, T3, TP33, TP36	None	212	242	15 kg	50 kg	C	
				III	4.2	IB8, T1, TP33, TP36	None	213	242	25 kg	100 kg	E	13, 40, 52, 148
G	Organometallic substance, solid, water-reactive	4.3	UN3395	I	4.3	N40, T9, TP7, TP33, TP36, TP47, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
				II	4.3	IB4, T3, TP33, TP36, TP47, W31	151	212	242	15 kg	50 kg	E	13, 40, 52, 148
				III	4.3	IB6, T1, TP33, TP36, TP47, W31	151	213	241	25 kg	100 kg	E	13, 40, 52, 148
G	Organometallic substance, solid, water-reactive, flammable	4.3	UN3396	I	4.3, 4.1	N40, T9, TP7, TP33, TP36, TP47, W31	None	211	242	Forbidden	15 kg	E	13, 40, 52, 148
				II	4.3, 4.1	IB4, T3, TP33, TP36, TP47, W31	151	212	242	15 kg	50 kg	E	13, 40, 52, 148
				III	4.3, 4.1	IB6, T1, TP33, TP36, TP47, W31	151	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
				II	4.3, 4.2	IB4, T3, TP33, TP36, TP47, W31	None	212	242	15 kg	50 kg	E	13, 40, 52, 148
				III	4.3, 4.2	IB6, T1, TP33, TP36, TP47, W31	None	213	241	25 kg	100 kg	E	13, 40, 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)
(1)	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
G	Organophosphorus compound, liq-uid, toxic, n.o.s	6.1	UN3278	I	6.1	5, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Organophosphorus compound, solid, toxic, n.o.s	6.1	UN3464	II	6.1	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
G	Organophosphorus compound, solid, toxic, n.o.s	6.1	UN3464	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B	40
G	Organophosphorus pesticides, liq-uid, flammable, toxic, flash point less than 23 degrees C	3	UN2784	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
G	Organophosphorus pesticides, liq-uid, toxic	6.1	UN3018	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
G	Organophosphorus pesticides, liq-uid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3017	II	6.1	IB2, N76, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
G	Organophosphorus pesticides, solid, toxic	6.1	UN2783	I	6.1	N76, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Organophosphorus pesticides, solid, toxic	6.1	UN2783	III	6.1, 3	B1, IB3, N76, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
G	Organotin compounds, liquid, n.o.s.	6.1	UN2788	II	6.1	IB8, IP2, IP4, N77, T3, TP33	153	212	242	25 kg	100 kg	A	40
G	Organotin compounds, liquid, n.o.s.	6.1	UN2788	I	6.1	A3, N33, N34, T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40

Organotin compounds, solid, n.o.s.	6.1	UN3146	III	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40																					
													6.1	A5, IB7, IP1, T6, TP33	None	211	5 kg	50 kg	B	40													
													6.1	IB8, IP2, IP4, T3, TP33	153	212	25 kg	100 kg	A	40													
													6.1	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	A	40													
													3, 6.1	T14, TP2, TP13, TP27	None	201	Forbidden	30 L	B	40													
													Organotin pesticides, liquid, toxic, flammable, flash point less than 23 degrees C	6.1	UN2787	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40								
																										6.1	T14, TP2, TP13, TP27	None	201	1 L	30 L	B	40
																										6.1	IB2, T11, TP2, TP13, TP27	153	202	5 L	60 L	B	40
																										6.1, 3	IB3, T7, TP2, TP28	153	203	60 L	220 L	A	40
													Organotin pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3019	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40								
6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	5 L	60 L	B	40																										
Organotin pesticides, solid, toxic	6.1	UN2786	III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40																					
																										6.1	IB7, IP1, T6, TP33	None	211	5 kg	50 kg	A	40
Orthoaminoaniline, 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																					
													9	A189, IB3, T2, TP1	155	203	No limit	No limit	A														
Other regulated substances, liquid, n.o.s	9	NA3082	III	9	384, B54, IB8, IP2, T1, TP33	155	213	240	No limit	No limit	A																						
													5.1	62, A6	None	201	Forbidden	2.5 L	D	13, 56, 58, 138													
Other regulated substances, solid, n.o.s	9	NA3077	III	9	62, IB1	None	202	243	1 L	5 L	B	13, 56, 58, 138																					
													5.1, 8	62, IB2	152	203	2.5 L	30 L	B	13, 56, 58, 138													
Oxidizing liquid, corrosive, n.o.s	5.1	UN3098	I	5.1, 8	62, 127, A2, A6	None	201	243	Forbidden	2.5 L	D	56, 58, 138																					
													5.1	62, 127, 148, A2, IB2	152	202	1 L	5 L	B	56, 58, 138													
Oxidizing liquid, n.o.s	5.1	UN3139	II	5.1	62, 127, 148, A2, IB2	152	203	241	2.5 L	30 L	B	56, 58, 138																					
													5.1	62, A6	None	201	Forbidden	2.5 L	D	56, 58, 138													
Oxidizing liquid, toxic, n.o.s	5.1	UN3099	I	5.1, 6.1	62, IB1	152	202	243	1 L	5 L	B	56, 58, 95, 138																					
													5.1, 6.1	62, IB2	152	203	2.5 L	30 L	B	56, 58, 95, 138													
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																					

§ 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
							152	212	242	5 kg	25 kg	B	13, 34, 56, 58, 138
							152	213	240	25 kg	100 kg	B	13, 34, 56, 58, 138
G	Oxidizing solid, flammable, n.o.s	5.1	UN3137	I	5.1, 4.1	62	None	214	214	Forbidden	Forbidden		13, 147, 148
G	Oxidizing solid, n.o.s.	5.1	UN1479	I	5.1	62, IB5, IP1	None	211	242	1 kg	15 kg	D	56, 58, 106, 138
							152	212	240	5 kg	25 kg	B	56, 58, 106, 138
							152	213	240	25 kg	100 kg	B	56, 58, 106, 138
G	Oxidizing solid, self-heating, n.o.s.	5.1	UN3100	I	5.1, 4.2	62	None	214	214	Forbidden	Forbidden		
							None	214	214	Forbidden	Forbidden		
G	Oxidizing solid, toxic, n.o.s.	5.1	UN3087	I	5.1, 6.1	62	None	211	242	1 kg	15 kg	D	56, 58, 138
							152	212	242	5 kg	25 kg	B	56, 58, 138
							152	213	240	25 kg	100 kg	B	56, 58, 138
G	Oxidizing solid, water reactive, n.o.s	5.1	UN3121	.....	5.1, 4.3	62	None	214	214	Forbidden	Forbidden		13, 148
	Oxygen, compressed	2.2	UN1072		2.2, 5.1	110, A14	306	302	314, 315	75 kg	150 kg	A	
	Oxygen difluoride, compressed	2.3	UN2190		2.3, 5.1, 8	1, N86	None	304	None	Forbidden	Forbidden	D	13, 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	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)	Paper, unsaturated oil treated in-completely dried (including car-bon paper)	4.2	UN1379	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 <i>Paranitroaniline</i> , solid, see Nitroanilines etc	3	UN1264	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	
D	Parathion and compressed gas mixture	2.3	NA1967		2.3	3	None	334	245	Forbidden	Forbidden	E	40
	<i>Paris green</i> , solid, 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	
	<i>Pentaerythrite tetranitrate (dry)</i>	Forbidden											
	<i>Pentaerythrite tetranitrate</i> mixture, desensitized, solid, n.o.s. or Pentaerythritol tetranitrate mixture, desensitized, solid, n.o.s. or PETN mixture, desensitized, solid, n.o.s., with more than 10 percent but not more than 20 percent PETN, by mass	4.1	UN3344	II	4.1	118, N85	None	214	None	Forbidden	Forbidden	E	
	<i>Pentaerythrite tetranitrate</i> or <i>Pentaerythritol tetranitrate</i> or <i>PETN</i> , with not less than 7 percent wax by mass	1.1D	UN0411	.....	1.1D	120	None	62	None	Forbidden	Forbidden	04	25

	1.1D	UN0150	.....	1.1D	121	None	62	None	Forbidden	Forbidden	04	25
Pentaerythrite tetranitrate, wetted or Pentaerythritol tetranitrate, wetted, or PETN, wetted with not less than 25 percent water, by mass, or Pentaerythrite tetranitrate, or Pentaerythritol tetranitrate or PETN, desensitized with not less than 15 percent phlegmatizer by mass												
Pentaerythritol tetranitrate, see Pentaerythrite tetranitrate, etc												
Pentafluoroethane or Refrigerant Gas R 125	2.2	UN3220	III	2.2	T50	306	304	306	75 kg	150 kg	A	
Pentamethylheptane	3	UN2286	III	3	B1, IB3, T2, TP1	150	203	150	60 L	220 L	A	
Pentane-2,4-dione	3	UN2310	III	3, 6.1	B1, IB3, T4, TP1	150	203	150	60 L	220 L	A	
Pentanes	3	UN1265	I	3	T11, TP2	150	201	150	1 L	30 L	E	
Pentanitracene (dry)	Forbidden		II	3	IB2, IP8, T4, TP1	150	202	150	5 L	60 L	E	
Pentanols	3	UN1105	II	3	IB2, T4, TP1, TP29	150	202	150	5 L	60 L	B	
1-Pentene (n-amyene)	3	UN1108	III	3	B1, B3, IB3, T2, TP1	150	203	150	60 L	220 L	A	
1-Pentol	8	UN2705	I	3	T11, TP2	150	201	150	1 L	30 L	E	
Pentolite, dry or wetted with, less than 15 percent water, by mass	3	UN2705	II	8	B2, IB2, T7, TP2	154	202	154	1 L	30 L	B	26, 27
Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized	1.1D	UN0151	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Perchlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3211	II	5.1	IB2, T4, TP1	152	202	152	1 L	5 L	B	56, 58, 133
Perchlorates, inorganic, n.o.s.	5.1	UN1481	III	5.1	IB2, T4, TP1	152	202	152	2.5 L	30 L	B	56, 58, 69, 133
Perchloric acid, with more than 72 percent acid by mass	5.1	UN1873	I	5.1, 8	IB6, IP2, T3, TP33	152	212	152	5 kg	25 kg	A	56, 58
Perchloric acid with more than 50 percent but not more than 72 percent acid, by mass	Forbidden		III	5.1	IB8, IP3, T1, TP33	152	213	152	25 kg	100 kg	A	56, 58
Perchloric acid with not more than 50 percent acid by mass	5.1	UN1873	I	5.1, 8	A2, A3, N41, T10, TP1	None	201	None	Forbidden	2.5 L	D	66
Perchloroethylene, see Tetrachloroethylene	8	UN1802	II	8, 5.1	IB2, N41, T7, TP2	None	202	None	Forbidden	30 L	C	66
Perchloromethyl mercaptan	6.1	UN1670	I	6.1	2, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	None	Forbidden	Forbidden	D	40
Perchloryl fluoride	2.3	UN3083	II	2.3, 5.1	2, B9, B14	None	302	None	Forbidden	Forbidden	D	40
Percussion caps, see Primers, cap type												

§ 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)			
	<i>Perfluor-2-butene</i> , see Octafluorobut-2-ene Perfluoro(ethyl vinyl ether)	2.1	UN3154		2.1		306	302, 304, 305	314, 315	Forbidden	150 kg	E	40										
														2.1	UN3153	T50	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
G	Perfluoro(methyl vinyl ether) Perfumery products with flammable solvents	5.1	UN3214	II	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	56, 58, 133, 138										
														5.1	UN3214	26, 353, IB2, T4, TP1	152	202	242	1 L	5 L	D	
G	Permanganates, inorganic, aqueous solution, 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 Peroxides, inorganic, n.o.s	5.1	UN1483	II	5.1	A7, A20, IB6, IP2, N34, T3, TP33, W100	None	212	242	5 kg	25 kg	C	13, 52, 66, 75, 148										
	<i>Peroxyacetic acid</i> , with more than 43 percent and with more than 6 percent hydrogen peroxide Persulfates, inorganic, aqueous solution, n.o.s	Forbidden																					
G	Persulfates, inorganic, aqueous solution, n.o.s Pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	5.1	UN3216	III	5.1	IB2, T4, TP1, TP29	152	203	241	2.5 L	30 L	A	56, 58, 133										
														5.1	UN3215	IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
		II	3, 6.1	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 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	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40								
								202	243	5 L	60 L	B	40								
								203	242	1 L	220 L	A	40								
								201	243	1 L	30 L	B	40								
								202	243	5 L	60 L	B	40								
								203	241	60 L	220 L	A	40								
								211	242	5 kg	50 kg	A	40								
								212	242	25 kg	100 kg	A	40								
								213	240	100 kg	200 kg	A	40								
								G	Pesticides, liquid, toxic, n.o.s.	6.1	UN2902	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
203	242	1 L	220 L	A	40																
201	243	1 L	30 L	B	40																
202	243	5 L	60 L	B	40																
203	241	60 L	220 L	A	40																
211	242	5 kg	50 kg	A	40																
212	242	25 kg	100 kg	A	40																
213	240	100 kg	200 kg	A	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
																211	242	5 kg	50 kg	A	40
								212	242	25 kg	100 kg	A	40								
								213	240	100 kg	200 kg	A	40								
								D	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	
																202	242	5 L	60 L	B	
																203	242	60 L	220 L	A	
																201	243	1 L	30 L	E	
																202	242	5 L	60 L	B	
																203	242	60 L	220 L	A	
D	Petroleum distillates, n.o.s. or Petroleum products, n.o.s.	3	UN1268	II	3	144, IB2, T7, TP1, TP8, TP28	150									202	242	5 L	60 L	B	
																203	242	60 L	220 L	A	
																201	243	1 L	30 L	E	
																202	242	5 L	60 L	B	
								203	242	60 L	220 L	A									
								D	Petroleum gases, liquefied or Liquefied petroleum gas Petroleum oil	2.1	UN1075	.....	2.1	T50, N95	306	304	314, 315	Forbidden	150 kg	E	40
																201	243	1 L	30 L	E	
																202	242	5 L	60 L	B	
																203	242	60 L	220 L	A	
																I	Petroleum, sour crude oil, flammable, toxic	3	UN3494	I	3, 6.1	343, T14, TP2, TP13	None	201	243	Forbidden	30 L	D	40
202	243	1 L	60 L	D	40																
203	242	60 L	220 L	C	40																
212	242	25 kg	100 kg	B	40																
201	241	60 L	220 L	A	40																
202	243	Forbidden	Forbidden	B	40																
212	242	25 kg	100 kg	A	40																
+	Phenacyl bromide Phenelidines Phenol, molten Phenol, solid	6.1	UN2645	II	3, 6.1	343, IB2, T7, TP2	150	202	243	1 L	60 L	D	40								
								203	242	60 L	220 L	C	40								
								212	242	25 kg	100 kg	B	40								
								201	241	60 L	220 L	A	40								
								202	243	Forbidden	Forbidden	B	40								
								212	242	25 kg	100 kg	A	40								
								+	Phenol solutions Phenolsulfonic acid, liquid	6.1	UN2821	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
																203	241	60 L	220 L	A	
																202	242	1 L	30 L	C	14

§ 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)
	Phenoxyacetic acid derivative pes-ticide, liquid, flammable, toxic flash point less than 23 degrees C	3	UN3346	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
	Phenoxyacetic acid derivative pes-ticide, liquid, toxic	6.1	UN3348	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
	Phenoxyacetic acid derivative pes-ticide, liquid, toxic	6.1	UN3347	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
	Phenoxyacetic acid derivative pes-ticide, liquid, toxic, flammable, flash point not less than 23 de-grees C	6.1	UN3345	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
	Phenoxyacetic acid derivative pes-ticide, solid, toxic	6.1	UN3345	I	6.1	IB3, T7, TP2, TP28	153	203	241	60 L	220 L	A	40
	Phenyl chloroformate	6.1	UN2746	II	6.1, 8	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
	Phenyl isocyanate	6.1	UN2487	I	6.1, 3	IB2, T7, TP2, TP13	153	202	243	100 kg	200 kg	A	40
	Phenyl mercaptan	6.1	UN2337	I	6.1, 3	2, B9, B14, B32, B77, N33, N34, 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
	Phenyl phosphorus thiodichloride	8	UN2799	II	8	B2, B15, IB2, T7, TP2	154	202	242	Forbidden	30 L	B	40
	Phenyl urea pesticides, liquid, toxic	6.1	UN3002	I	6.1	T14, TP2, TP27	None	201	243	1 L	30 L	B	40
	Phenylacetamide, liquid	6.1	UN2470	III	6.1	T7, TP2	153	202	241	5 L	60 L	B	40
	Phenylacetyl chloride	8	UN2577	III	6.1	T4, TP1	153	203	241	60 L	220 L	A	40
	Phenylcarbamylamine chloride	6.1	UN1672	I	6.1	IB3, T4, TP1	154	202	242	60 L	220 L	A	52
		6.1	UN1672	I	6.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40

+	<i>m</i> -Phenylene diamine/perchlorate (dry)	UN1673	III	6.1	IB8, IP3, T1, TP33	153	213	240	200 kg	A	40		
		UN2572	II	6.1	IB2, T7, TP2	153	202	243	60 L	A			
G	Phenylenediamines (o-, m-, p-) Phenyhydrazine Phenylmercuric acetate Phenylmercuric compounds, n.o.s. Phenylmercuric hydroxide Phenylmercuric nitrate Phenyltrichlorosilane Phosgene 9-Phosphabicyclononanes or Cyclooctadiene phosphines Phosphine Phosphine, adsorbed Phosphoric acid solution Phosphoric acid, solid Phosphoric acid triethylenimine, see Tris-(1-aziridinyl)phosphine oxide, solution Phosphoric anhydride, see Phos- phorus pentoxide Phosphorus acid Phosphorus, amorphous Phosphorus bromide, see Phos- phorus tribromide Phosphorus chloride, see Phos- phorus trichloride Phosphorus heptasulfide, free from yellow or white phosphorus Phosphorus oxybromide Phosphorus oxybromide, molten Phosphorus oxychloride Phosphorus pentabromide Phosphorus pentachloride	UN2026	I	6.1	IB8, IP2, IP4, T3, TP33	None	211	242	5 kg	A			
		UN1894	III	6.1	IB8, IP2, IP4, T3, TP33	153	213	240	100 kg	A			
		UN1895	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	100 kg	A			
		UN1804	II	8	A7, B6, N34, T10, TP2, TP7, TP13	None	206	242	Forbiddn	30 L	C	40	
		UN1076	.....	2.3, 8	1, B7, B46, N86	None	192	314	Forbiddn	Forbiddn	D	40
		UN2940	II	4.2	A19, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	Forbiddn	A		
		UN2199	2.3	2.3,	1	None	192	245	Forbiddn	Forbiddn	D	40	
		UN3525	.....	2.1	1	None	302c	None	Forbiddn	Forbiddn	D	40
		UN1805	III	8	A7, IB3, N34, T4, TP1	154	203	241	5 L	60 L	A		
		UN3453	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A		
		+	Phosphorus, amorphous Phosphorus bromide, see Phos- phorus tribromide Phosphorus chloride, see Phos- phorus trichloride Phosphorus heptasulfide, free from yellow or white phosphorus Phosphorus oxybromide Phosphorus oxybromide, molten Phosphorus oxychloride Phosphorus pentabromide Phosphorus pentachloride	UN2834	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	A	25
				UN1338	III	4.1	A1, A19, B1, B9, B26, IB8, IP3, T1, TP33	None	213	243	25 kg	A	74
UN1339	II			4.1	A20, IB4, N34, T3, TP33, W31	None	212	240	15 kg	50 kg	B	13, 74, 147, 148	
UN1939	II			8	B8, IB8, IP2, IP4, N41, N43, T3, TP33	None	212	240	Forbiddn	50 kg	C	12, 25, 40	
UN2576	II			8	B2, B8, IB1, N41, N43, T7, TP3, TP13	None	202	242	Forbiddn	Forbiddn	C	40	
UN1810	I			6.1, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddn	Forbiddn	D	40	
UN2691	II			8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	Forbiddn	50 kg	B	12, 25, 40, 53, 55	
UN1806	II			8	A7, IB8, IP2, IP4, N34, T3, TP33	None	212	240	Forbiddn	50 kg	C	40, 44, 89, 100, 141	

§ 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)	
	Phosphorus Pentafluoride	2.3	UN2198		2.3, 8	2, B9, B14	None	302, 304	314, 315	Forbidden	Forbidden	D	40	
	Phosphorus pentafluoride, adsorbed	2.3	UN3524	.....	2.3, 8	2, B9, B14	None	302c	None	Forbidden	Forbidden	D	40
	Phosphorus pentasulfide, free from yellow or white phosphorus	4.3	UN1340	II	4.3, 4.1	A20, B59, IB4, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	B	13, 74, 148	
	Phosphorus pentoxide	8	UN1807	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A		
	Phosphorus sesquisulfide, free from yellow or white phosphorus	4.1	UN1341	II	4.1	A20, IB4, N34, T3, TP33, W31	None	212	240	15 kg	50 kg	B	74	
	Phosphorus tribromide	8	UN1808	II	8	A3, A6, A7, B2, B25, IB2, N34, N43, T7, TP2, 2, B9, B14, B15, B32, B77, N34, T20, TP2, TP13, TP38, TP45	None	202	242	Forbidden	30 L	C	40	
	Phosphorus trichloride	6.1	UN1809	I	6.1, 8	B77, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbidden	Forbidden	C	40	
	Phosphorus trioxide	8	UN2578	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	12, 25	
	Phosphorus trisulfide, free from yellow or white phosphorus	4.1	UN1343	II	4.1	A20, IB4, N34, T3, TP33, W31	None	212	240	15 kg	50 kg	B	13, 74, 147, 148	
	Phosphorus, white dry or Phosphorus, white, under water or Phosphorus white, in solution or Phosphorus, yellow dry or Phosphorus, yellow, under water or Phosphorus, yellow, in solution	4.2	UN1381	I	4.2, 6.1	B9, B26, N34, T9, TP3, TP31, W31	None	188	243	Forbidden	Forbidden	E		
	Phosphorus white, molten	4.2	UN2447	I	4.2, 6.1	B9, B26, N34, T21, TP3, TP7, TP26	None	188	243	Forbidden	Forbidden	D		
	Phosphorus (white or red) and a chlorate, mixtures of Phosphoryl chloride, see Phosphorus oxychloride	Forbidden												
	Phthalic anhydride with more than .05 percent maleic anhydride	8	UN2214	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A		
	Picolines	3	UN2313	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A	40	
	Picric acid, see Trinitrophenol, etc Picric acid, see Nitroguanidine, etc Picryl chloride, see Trinitrochlorobenzene Pine oil	3	UN1272	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A		

alpha-Piñene	3	UN2368	III	3	B1, IB3, T2, TP2	150	203	242	60 L	220 L	A	12, 25,
Piperazine	8	UN2579	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52
Piperidine	8	UN2401	I	8, 3	A10, T10, TP2	None	201	243	0.5 L	2.5 L	B	52
<i>Pivaloyl chloride, see Trimethylacetyl chloride</i>												
Plastic molding compound <i>in dough, sheet or extruded rope form evolving flammable vapor</i>	9	UN3314	III	9	32, IB8, IP3, IP7	155	221	221	100 kg	200 kg	E	21, 25, 87, 144
<i>Plastic solvent, n.o.s., see Flammable liquids, n.o.s.</i>												
Plastics, nitrocellulose-based, self-heating, n.o.s.	4.2	UN2006	III	4.2		None	213	None	Forbidden	Forbidden	C	
<i>Poisonous gases, n.o.s., see Compressed or liquefied gases, flammable or toxic, n.o.s.</i>												
<i>Polyalkylamines, n.o.s., see Amines, etc</i>												
Polyamines, flammable, corrosive, n.o.s., <i>see Amines, flammable, corrosive, n.o.s.</i>												
Polyamines, liquid, corrosive, n.o.s., <i>see Amines, liquid, corrosive, n.o.s.</i>												
Polyamines, liquid, corrosive, flammable, n.o.s., <i>see Amines, liquid, corrosive, flammable, n.o.s.</i>												
Polychlorinated biphenyls, liquid	9	UN2315	II	9	9, 81, 140, IB3, T4, TP1	155	202	241	100 L	220 L	A	95
Polychlorinated biphenyls, solid	9	UN3432	II	9	9, 81, 140, IB8, IP2, IP4, T3, TP33	155	212	240	100 kg	200 kg	A	95
Polyester resin kit, <i>liquid base material</i>	3	UN3269	.....	3	40, 149	165	165	None	5 kg	5 kg	B	
Polyester resin kit, <i>solid base material</i>	4.1	UN3527	.....	4.1	40, 157	165	165	None	5 kg	5 kg	B	
Polyhalogenated biphenyls, liquid or monomethyldiphenyl-methanes, liquid or Polyhalogenated terphenyls, liquid	9	UN3151	II	9	IB2	155	204	241	100 L	220 L	A	95
Polyhalogenated biphenyls, solid or monomethyldiphenyl-methanes, solid or Polyhalogenated terphenyls, solid	9	UN3152	II	9	IB8, IP2, IP4, T3, TP33	155	204	241	100 kg	200 kg	A	95
Polymeric beads expandable, <i>evolving flammable vapor</i>	9	UN2211	III	9	32, IB8, IP3, IP7, T1, TP33	155	221	221	100 kg	200 kg	E	21, 25, 87, 144
Polymerizing substance, liquid, stabilized, n.o.s.	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
Polymerizing substance, liquid, temperature controlled, n.o.s.	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

G

§ 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
G	Polymerizing substance, solid, sta-bilized, 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, tem-perature 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, W32	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.	4.3	UN1870	I	4.3	A19, N40, W32	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Potassium borohydride	5.1	UN1484	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Potassium bromate	5.1	UN1485	II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Potassium carbonyl	5.1	UN2427	II	5.1	A2, IB2, T4, TP1	152	202	241	1 L	5 L	B	56, 58, 133
	Potassium chlorate, aqueous solu-tion	5.1		III	5.1	A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 133
	Potassium chlorate mixed with min-eral oil, see Explosive, blasting, type C	6.1	UN1679	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52
	Potassium cuprocyanide	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, solid	6.1	UN3413	I	6.1	B69, B77, N74, N75, T14, TP2, TP13, W31	None	201	243	1 L	30 L	B	52
	Potassium cyanide solution	6.1		II	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27, W31	153	202	243	5 L	60 L	B	52
		6.1		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 triazetrione, see Dichloroisocyanuric acid, dry or Potassium dithionite or Potassium hydrosulfite	4.2	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	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Potassium fluoride solution	6.1	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	52
Potassium fluoroacetate	6.1	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	
Potassium fluorosulfate	6.1	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Potassium hydroxide, solid											
Potassium hydrogen fluoride, see Potassium hydrogen difluoride											
Potassium hydrogen fluoride solution, see Corrosive liquid, n.o.s.											
Potassium hydrogen sulfate											
Potassium hydrogendifluoride solid	8	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40,
Potassium hydrogendifluoride solution	8	II	8, 6.1	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	50 kg	A	25, 40, 52
Potassium hydrogendifluoride solution	8	II	8, 6.1	IB2, N3, N34, T7, TP2	154	202	243	1 L	30 L	A	25, 40, 52
Potassium hydrosulfite, see Potassium dithionite											
Potassium hydroxide, liquid, see Potassium hydroxide solution											
Potassium hydroxide, solid	8	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52.
Potassium hydroxide, solution	8	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52.
Potassium hydroxide, solution	8	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52.
Potassium hypochlorite, solution, see Hypochlorite solutions, etc											
Potassium, metal alloys, liquid	4.3	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	I	4.3	A19, A20, B27, IB4, IP1, T9, TP7, TP33, W32	None	211	244	Forbidden	15 kg	D	13, 52, 148
Potassium metavanadate	6.1	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
Potassium monoxide	8	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	29, 52.
Potassium nitrate	5.1	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	II	5.1	B78, IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58
Potassium nitrite	5.1	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
Potassium perchlorate	5.1	II	5.1	IB6, IP2, T3, TP33	152	212	240	5 kg	25 kg	D	56, 58,
Potassium permanganate	5.1	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	D	138
Potassium peroxide	5.1	I	5.1	A20, IB6, IP1, N34	None	211	None	Forbidden	15 kg	C	13, 52, 66, 75, 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	Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Potassium 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, W32	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, W32	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, W40	None	212	241	15 kg	50 kg	A	52
	Potassium sulfide, hydrated with not less than 30 percent water of crystallization	8	UN1847	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52
	Potassium superoxide	5.1	UN2466	I	5.1	A20, IB6, IP1	None	211	None	Forbidden	15 kg	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	Forbiddn	Forbiddn	05	25
Primers, cap type	1.4B	UN0378	.....	1.4B	.....	None	62	None	Forbiddn	75 kg	05	25
Primers, small arms, see Primers, cap type												
Primers, tubular	1.3G	UN0319	.....	1.3G	.....	None	62	None	Forbiddn	Forbiddn	03	25
Primers, tubular	1.4G	UN0320	.....	1.4G	.....	None	62	None	Forbiddn	75 kg	02	25
Primers, tubular	1.4S	UN0376	.....	None	.....	None	62	None	100 kg	100 kg	01	25
Printing ink, flammable or Printing ink related material (including printing ink thinning or reducing compound), flammable	3	UN1210	I	3	.....	150	173	243	1 L	30 L	E	.....
Projectiles, illuminating, see Ammunition, illuminating, etc												
Projectiles, inert with tracer	1.4S	UN0345	.....	1.4S	.....	.....	62	62	25 kg	100 kg	01	25
Projectiles, inert with tracer	1.3G	UN0424	.....	1.3G	.....	.....	62	62	Forbiddn	Forbiddn	03	25
Projectiles, inert with tracer	1.4G	UN0425	.....	1.4G	.....	.....	62	62	Forbiddn	75 kg	02	25
Projectiles, with burster or expelling charge	1.2D	UN0346	.....	1.2D	.....	.....	62	62	Forbiddn	Forbiddn	04	25
Projectiles, with burster or expelling charge	1.4D	UN0347	.....	1.4D	.....	.....	62	62	Forbiddn	75 kg	02	25
Projectiles, with burster or expelling charge	1.2F	UN0426	.....	1.2F	.....	.....	62	None	Forbiddn	Forbiddn	05	25
Projectiles, with burster or expelling charge	1.4F	UN0427	.....	1.4F	.....	.....	62	None	Forbiddn	Forbiddn	05	25
Projectiles, with burster or expelling charge	1.2G	UN0434	.....	1.2G	.....	.....	62	62	Forbiddn	Forbiddn	03	25
Projectiles, with burster or expelling charge	1.4G	UN0435	.....	1.4G	.....	.....	62	62	Forbiddn	75 kg	02	25
Projectiles, with bursting charge	1.1F	UN0167	.....	1.1F	.....	.....	62	None	Forbiddn	Forbiddn	05	25
Projectiles, with bursting charge	1.1D	UN0168	.....	1.1D	.....	.....	62	62	Forbiddn	Forbiddn	04	25
Projectiles, with bursting charge	1.2D	UN0169	.....	1.2D	.....	.....	62	62	Forbiddn	Forbiddn	04	25
Projectiles, with bursting charge	1.2F	UN0324	.....	1.2F	.....	.....	62	None	Forbiddn	Forbiddn	05	25
Projectiles, with bursting charge	1.4D	UN0344	.....	1.4D	.....	.....	62	62	Forbiddn	75 kg	02	25
Propadiene, stabilized	2.1	UN2200	.....	2.1	.....	387	304	314, 315	Forbiddn	150 kg	B	25, 40
Propadiene mixed with methyl acetylene, see Methyl acetylene and propadiene mixtures, stabilized												
Propane, see also Petroleum gases, liquefied	2.1	UN1978	.....	2.1	.....	19, T50, N95	304	314, 315	Forbiddn	150 kg	E	40
n-Propanol or Propyl alcohol, normal	3	UN2402	II	3	.....	A6, IB2, T4, TP1, TP13	202	242	5 L	60 L	E	95, 102
	3	UN1274	II	3	.....	B1, IB2, T4, TP1	202	242	5 L	60 L	B	
Propellant, liquid	1.3C	UN0495	III	3	.....	B1, IB3, T2, TP1	203	242	60 L	220 L	A	25
Propellant, liquid	1.1C	UN0497	.....	1.1C	.....	37	62	None	Forbiddn	Forbiddn	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)
	Propellant, solid	1.1C	UN0498	.....	1.1C	.....	None	62	None	Forbidden	Forbidden	04	25, 26E, 26E, 25
	Propellant, solid	1.3C	UN0499	.....	1.3C	.....	None	62	None	Forbidden	Forbidden	04	25, 26E, 26E, 25
	Propellant, solid	1.4C	UN0501	II	1.4C	.....	None	62	None	Forbidden	75 kg	2	25
	Propionaldehyde	3	UN1275	II	3	IB2, T7, TP1	150	202	242	5 L	60 L	E	40
	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.	40
	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.	40
	Propionic anhydride	8	UN2496	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	40
	Propionitrile	3	UN2404	II	3, 6.1	IB2, T7, TP1, TP13	None	202	243	Forbidden	60 L	E	40
	Propionyl chloride	3	UN1815	II	3, 8	IB1, T7, TP1	150	202	243	1 L	5 L	B	40
	n-Propyl acetate	3	UN1276	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Propyl alcohol, see Propanol	3	UN2364	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	21, 40, 100
	n-Propyl benzene	6.1	UN2740	I	6.1, 3, 8	2, B9, B14, B32, B77, N34, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	B	40
	Propyl chloride see 1-Chloropropane	3	UN1281	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40
	Propyl formates	6.1	UN2482	I	6.1, 3	1, B9, B14, B30, T20, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40
	Propyl mercaptan, see Propanethiols	3	UN1865	II	3	IB9	150	202	None	5 L	60 L	D	44, 89, 90, 100
	n-Propyl nitrate	3	UN1277	II	3, 8	IB2, T4, TP1	150	202	243	1 L	5 L	E	40
	Propylamine see also Petroleum gases, liquefied	2.1	UN1077	II	2.1	A7, IB2, N34, T7, TP1, TP2, TP13, TP38, TP44	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	A3, 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
	1,2-Propylenediamine	8	UN2258	II	8, 3	A3, A6, IB2, N34, T7, TP2	None	202	243	1 L	30 L	A	40

Propyleneimine, stabilized	3	UN1921	I	3, 6.1	387, A3, N34, T14, TP2, TP13	None	201	243	1 L	30 L	D	25, 40
Propylchlorosilane	8	UN1816	II	8, 3	A7, B2, B6, N34, T10, TP2, TP7, TP13	None	206	243	Forbidden	30 L	C	40
<i>Prussic acid, see Hydrogen cyanide</i> Pyrethroid pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	3	UN3350	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	Forbidden	30 L	B	40
Pyrethroid pesticide, liquid toxic	6.1	UN3352	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	243	1 L	60 L	B	40
Pyrethroid pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3351	I	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
Pyrethroid pesticide, solid, toxic	6.1	UN3349	III	6.1, 3	IB2, T11, TP2, TP27	153	202	243	5 L	60 L	B	40
Pyridine	3	UN1282	III	6.1	IB3, T7, TP2, TP28	None	203	241	60 L	220 L	B	40
Pyridine perchlorate	Forbidden		III	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Pyrophoric liquid, inorganic, n.o.s	4.2	UN3194	III	6.1	IB8, IP2, T3, TP33	153	212	242	25 kg	100 kg	A	40
Pyrophoric liquids, organic, n.o.s	4.2	UN2845	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Pyrophoric metals, n.o.s., or Pyrophoric alloys, n.o.s	4.2	UN1383	II	3	IB2, T4, TP2	None	202	242	5 L	60 L	B	21, 100
Pyrophoric solid, inorganic, n.o.s	4.2	UN3200	I	4.2	.....	None	181	244	Forbidden	Forbidden	D	13, 78, 148
Pyrophoric solids, organic, n.o.s	4.2	UN2846	I	4.2	B11, T22, TP2, TP7, W31	None	187	244	Forbidden	Forbidden	D	13, 78, 148
Pyrosulfonyl chloride	4.2	UN2846	I	4.2	B11, T21, TP7, TP33, W31	None	187	242	Forbidden	Forbidden	D	13, 148
Pyroxylin solution or solvent, see Nitrocellulose	8	UN1817	II	8	T21, TP7, TP33, W31	None	187	242	Forbidden	Forbidden	D	13, 148
Pyrrolidine	3	UN1922	II	3, 8	B2, IB2, T8, TP2	154	202	242	1 L	30 L	C	40
Quebrachitol pentanitrate	Forbidden		II	3, 8	IB2, T7, TP1	150	202	243	1 L	5 L	B	40, 52
Quinoline	6.1	UN2656	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	12, 25
R 12, see Dichlorodifluoromethane												
R 12B1, see Chlorodifluoromethane												
R 13, see Chlorotrifluoromethane												
R 13B1, see Bromotrifluoromethane												
R 14, see Tetrafluoromethane												
R 21, see Dichlorodifluoromethane												
R 22, see Chlorodifluoromethane												
R 114, see Dichlorotetrafluoroethane												
Dichlorotetrafluoroethane												

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
(1)	R 115, <i>see</i> R Chloropentafluoroethane R 116, <i>see</i> Hexafluoroethane R 124, <i>see</i> Chlorotetrafluoroethane R 133a, <i>see</i> Chlorotrifluoroethane R 152a, <i>see</i> Difluoroethane R 500, <i>see</i> Dichlorodifluoromethane and difluoroethane, <i>etc</i> R 502, <i>see</i> Chlorodifluoromethane and chloropentafluoroethane mixture, <i>etc</i> R 503, <i>see</i> Chlorotrifluoromethane and trifluoromethane, <i>etc</i> Radioactive material, excepted package-articles manufactured from natural uranium or depleted uranium or natural thorium Radioactive material, excepted package-empty packaging Radioactive material, excepted package-instruments or articles Radioactive material, excepted package-limited quantity of material Radioactive material, low specific activity (LSA-I) <i>non fissile or fissile-excepted</i> Radioactive material, low specific activity (LSA-II) <i>non fissile or fissile-excepted</i> Radioactive material, low specific activity (LSA-III) <i>non fissile or fissile-excepted</i> Radioactive material, surface contaminated objects (SCO-I or SCO-II) <i>non fissile or fissile-excepted</i>	7	UN2909		None		422, 426	422, 426	422, 426					
		7	UN2908		Empty		422, 428	422, 428	422, 428				A	
		7	UN2911		None		422, 424	422, 424	422, 424				A	
		7	UN2910	.....	None	368	421, 422	421, 422	421, 422	.....	.....	.....	A
		7	UN2912		7	A56, T5, TP4, W7	421, 422, 428	427	427				A	95, 129
		7	UN3321		7	A56, T5, TP4, W7	421, 422, 428	427	427				A	95, 129
		7	UN3322	7	A56, T5, TP4, W7	421, 422, 428	427	427	A	95, 150
		7	UN2913		7	A56	421, 422, 428	427	427				A	95

7	UN2919	Radioactive material, transported under special arrangement, <i>non fissile or fissile excepted</i>	7	A56, 139	417	415, 418, 419	417	A	95, 105
7	UN3331	Radioactive material, transported under special arrangement, <i>fissile</i>	7	A56, 139	417	415, 419	417	A	95, 105
7	UN3327	Radioactive material, Type A package, <i>fissile non-special form</i>	7	A56, W7, W8	453	415, 476	417	A	95, 105, 131
7	UN2915	Radioactive material, Type A package <i>non-special form, non fissile or fissile-excepted</i>	7	A56, W7, W8	None	415, 418, 419	415, 476	A	95, 130
7	UN3332	Radioactive material, Type A package, special form <i>non fissile or fissile-excepted</i>	7	A56, W7, W8	453	417, 476	417, 476	A	95
7	UN3333	Radioactive material, Type A package, special form, <i>fissile</i>	7	A56, W7, W8	453	417, 476	417, 476	A	95, 105
7	UN3329	Radioactive material, Type B(M) package, <i>fissile</i>	7	A56	453	417	417	A	95, 105
7	UN2917	Radioactive material, Type B(M) package <i>non fissile or fissile-excepted</i>	7	A56	416	416	416	A	95, 105
7	UN3328	Radioactive material, Type B(U) package, <i>fissile</i>	7	A56	453	417	417	A	95, 105
7	UN2916	Radioactive material, Type B(U) package <i>non fissile or fissile-excepted</i>	7	A56	416	416	416	A	95, 105
7	UN2978	Radioactive material, uranium hexafluoride <i>non fissile or fissile-excepted</i>	7	.....	423	420, 427	420, 427	B	40, 95, 132
7	UN2977	Radioactive material, uranium hexafluoride, <i>fissile</i>	7	.....	453	417, 420	417, 420	B	40, 95, 132
4.2	UN1856	Rags, oily <i>Railway torpedo, see Signals, railway track, explosive</i> RC 318; <i>see Octafluorocyclobutane</i> RDX cycloctetramethylenetetramine, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized RDX and HMX mixtures, wetted <i>with not less than 15 percent water by mass or RDX and HMX mixtures, desensitized with not less than 10 percent phlegmatizer by mass</i> RDX and Octogen mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized <i>etc</i>	..... III .....	.....	151	213	240	A	
1.1D	UN0391		.....	.....	None	None	None	04	25

A W

§ 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) (8A)	Non-bulk (8B) (8B)	Bulk (8C) (8C)	Passenger aircraft/rail (9A) (9A)	Cargo air-craft only (9B) (9B)	Loca-tion (10A) (10A)	Other (10B) (10B)																																																																																												
	RDX, see Cyclotrimethylene trinitramine, etc Receptacles, small, containing gas or gas cartridges (flammable) without release device, not refillable and not exceeding 1 L capacity	2.1	UN2037		2.1		306	304	None	1 kg	15 kg	B	40																																																																																												
														2.2	UN2037		2.2	306	304	None	1 kg	15 kg	B	40																																																																																	
																									2.2, 5.1	UN2037	A14	306	304	None	1 kg	15 kg	B	40																																																																							
G	Receptacles, small, containing gas or gas cartridges (oxidizing) without release device, not refillable and not exceeding 1 L capacity Red phosphorus, see Phosphorus, amorphous Refrigerant gas R 404A	2.2	UN3337		2.2	T50	306	304	314, 315	75 kg	150 kg	A																																																																																													
														D	Refrigerant gas R 407A Refrigerant gas R 407B Refrigerant gas R 407C Refrigerant gases, n.o.s. Refrigerant gases, n.o.s. or Dispersant gases, n.o.s. Refrigerating machines, containing flammable, non-toxic, liquefied gas Refrigerating machines, containing non-flammable, non-toxic gases, or ammonia solutions (UN2672)	2.2	UN3338		2.2	T50	306	304	314, 315	75 kg	150 kg	A																																																																															
																												2.2	UN3339		2.2	306	304	314, 315	75 kg	150 kg	A																																																																				
																																								2.2	UN3340		2.2	306	304	314, 315	75 kg	150 kg	A																																																								
																																																			2.2	UN1078		2.2	306	304	314, 315	75 kg	150 kg	A																																													
																																																														2.1	NA1954		2.1	306	304	314, 315	Forbidden	150 kg	D	40																																	
																																																																									2.1	UN3358		2.1	306, 307	306	306	Forbidden	Forbidden	D	40																						
																																																																																				2.2	UN2857		2.2	306, 307	306	306, 307	450 kg	450 kg	A												
																																																																																															2.2	A53		2.2	306, 307	306	306, 307	450 kg	450 kg	A	

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	197	No limit	No limit	197	Class	Division	Subdivision	Special provisions	197	No limit	No limit	197	Class	Division	Subdivision	Special provisions	
6.2	UN3291	II	6.2	41, A13, 337	134	197	No limit	No limit	197	B				40								
1.4S	UN0173	I	1.4S	.....	None	62	25 kg	100 kg	62	01				25								
3	UN1866	I	3	B52, T11, TP1, TP8, TP28	150	201	1 L	30 L	243	E												
6.1	UN2876	III	3	149, 383, B52, IB2, T4, TP1, TP8	150	173	5 L	60 L	242	B												
		III	3	B1, B52, IB3, T2, TP1	150	173	60 L	220 L	242	A												
		III	6.1	IB8, IP3, T1, TP33	153	213	100 kg	200 kg	240	A												
1.4S	UN0174	.....	1.4S	.....	None	62	25 kg	100 kg	62	01				25								
1.3C	UN0186	.....	1.3C	109	None	62	Forbidden	220 kg	62	04				25								
1.1C	UN0280	.....	1.1C	109	None	62	Forbidden	Forbidden	62	04				25								
1.2C	UN0281	.....	1.2C	109	None	62	Forbidden	Forbidden	62	04				25								
1.4C	UN0510	.....	1.4C	109	None	62	Forbidden	75 kg	62	02				25								
1.2J	UN0395	.....	1.2J	109	None	62	Forbidden	Forbidden	None	05				25, 23E								
1.3J	UN0396	.....	1.3J	109	None	62	Forbidden	Forbidden	None	05				25, 23E								
1.3L	UN0250	.....	1.3L	109	None	62	Forbidden	Forbidden	None	05				25, 14E, 15E								
1.2L	UN0322	.....	1.2L	109	None	62	Forbidden	Forbidden	None	05				25, 14E, 15E								
1.2G	UN0238	.....	1.2G	.....	None	62	Forbidden	Forbidden	None	03				25								
1.3G	UN0240	.....	1.3G	.....	None	62	Forbidden	75 kg	None	03				25								
1.4G	UN0453	.....	1.4G	.....	None	62	Forbidden	75 kg	None	02				25								
1.1J	UN0397	.....	1.1J	.....	None	62	Forbidden	Forbidden	None	05				25, 23E								
1.2J	UN0398	.....	1.2J	.....	None	62	Forbidden	Forbidden	None	05				25, 23E								
1.1F	UN0180	.....	1.1F	.....	None	62	Forbidden	Forbidden	None	05				25								
1.1E	UN0181	.....	1.1E	.....	None	62	Forbidden	Forbidden	None	04				25								
1.2E	UN0182	.....	1.2E	.....	None	62	Forbidden	Forbidden	62	04				25								
1.2F	UN0295	.....	1.2F	.....	None	62	Forbidden	Forbidden	62	04				25								
1.2C	UN0436	.....	1.2C	.....	None	62	Forbidden	Forbidden	None	05				25								
1.3C	UN0437	.....	1.3C	.....	None	62	Forbidden	Forbidden	62	04				25								
1.4C	UN0438	.....	1.4C	.....	None	62	Forbidden	75 kg	62	04				25								
1.3C	UN0183	.....	1.3C	.....	None	62	Forbidden	Forbidden	62	02				25								
1.2C	UN0502	.....	1.2C	IB2, T4, TP1	None	62	Forbidden	Forbidden	62	02				25, 5E								
3	UN1286	II	3	.....	150	202	5 L	60 L	242	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)
	Rubber solution	3	UN1287	III	3	B1, IB3, T2, TP1 149, IB2, T4, TP1, TP8	150	203	242	60 L	220 L	A	
	Rubber scrap or shoddy, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	4.1	UN1345	III	3	B1, IB3, T2, TP1 IB8, IP2, IP4, T3, TP33	150	202	242	5 L	60 L	B	
	Rubidium	4.3	UN1423	II	4.1	IB8, IP2, IP4, T3, TP33	151	203	242	15 kg	220 L	A	
	Rubidium hydroxide	8	UN2678	I	4.3	22, A7, A19, IB4, IP1, N34, N40, N45, W32	None	211	242	Forbidden	15 kg	D	13, 52, 148
	Rubidium hydroxide solution	8	UN2677	II	8	IB8, IP2, IP4, T3, TP33 B2, IB2, T7, TP2	154	212	240	15 kg	50 kg	A	29, 52.
	Safety devices, electrically initiated	9	UN3268	III	8	IB3, T4, TP1	154	202	242	1 L	30 L	A	29, 52.
	Safety devices, pyrotechnic	1.4G	UN0503	.....	9	160, A200	166	203	241	5 L	60 L	A	29, 52.
	Safety fuse, see Fuse, safety			.....	1.4G	A200	None	62	None	Forbidden	25 kg	A	25
G	Samples, explosive, other than initiating explosives		UN0190	II		113	None	62	None	Forbidden	Forbidden	05	25
	Sand acid, see Fluorosilicic acid												
	Seed cake, containing vegetable oil solvent extractions and expelled seeds, with not more than 10 percent of oil and when the amount of moisture is higher than 11 percent, with not more than 20 percent of oil and moisture combined	4.2	UN1386	III	None	IB8, IP3, IP7, N7	None	213	241	Forbidden	Forbidden	A	13, 25
I	Seed cake with more than 1.5 percent oil and not more than 11 percent moisture	4.2	UN1386	III	None	IB8, IP3, IP7, N7	None	213	241	Forbidden	Forbidden	E	13, 25
I	Seed cake with not more than 1.5 percent oil and not more than 11 percent moisture	4.2	UN2217	III	None	IB8, IP3, IP7, N7	None	213	241	Forbidden	Forbidden	A	13, 25, 120
G	Selenates or Selenites	6.1	UN2630	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	E	
	Selenic acid	8	UN1905	I	8	IB7, IP1, N34, T6, TP33 T14, TP2, TP27	None	211	242	Forbidden	25 kg	A	
G	Selenium compound, liquid, n.o.s	6.1	UN3440	I	6.1	IB2, T11, TP2, TP27	None	201	243	1 L	30 L	B	
				III	6.1	IB3, T7, TP1, TP28	153	202	243	5 L	60 L	B	
				III	6.1	IB7, IP1, T6, TP33	153	203	241	60 L	220 L	A	
				I	6.1	IB8, IP2, IP4, T3, TP33	None	211	242	5 kg	50 kg	B	
G	Selenium compound, solid, n.o.s	6.1	UN3283	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Self-reactive liquid type B	4.1	UN3221	.....	4.1	53	151	224	None	Forbidden	Forbidden	D	25, 52, 53, 127
G	Self-reactive liquid type B, temperature controlled	4.1	UN3231	.....	4.1	53	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type C	4.1	UN3223	.....	4.1	.....	151	224	None	5 L	10 L	D	25, 52, 53
G	Self-reactive liquid type C, temperature controlled	4.1	UN3233	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type D	4.1	UN3225	.....	4.1	.....	151	224	None	5 L	10 L	D	25, 52, 53
G	Self-reactive liquid type D, temperature controlled	4.1	UN3235	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type E	4.1	UN3227	.....	4.1	.....	151	224	None	10 L	25 L	D	25, 52, 53
G	Self-reactive liquid type E, temperature controlled	4.1	UN3237	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive liquid type F	4.1	UN3229	.....	4.1	.....	151	224	None	10 L	25 L	D	25, 52, 53
G	Self-reactive liquid type F, temperature controlled	4.1	UN3239	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type B	4.1	UN3222	.....	4.1	53	151	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type B, temperature controlled	4.1	UN3232	.....	4.1	53	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type C	4.1	UN3224	.....	4.1	.....	151	224	None	5 kg	10 kg	D	25, 52, 53
G	Self-reactive solid type C, temperature controlled	4.1	UN3234	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type D	4.1	UN3226	.....	4.1	.....	151	224	None	5 kg	10 kg	D	25, 52, 53
G	Self-reactive solid type D, temperature controlled	4.1	UN3236	.....	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 25, 52, 53
G	Self-reactive solid type E	4.1	UN3228	.....	4.1	.....	151	224	None	10 kg	25 kg	D	25, 52, 53
G	Self-reactive solid type E, temperature 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

UN3240	4.1	UN1288	3	4.1	.....	I	3	4.1	.....	.....	None	224	None	Forbiddn	Forbiddn	Forbiddn	D	2, 25, 52, 53
UN1288	3	UN1288	3	4.1	I	3	4.1	.....	.....	T11, TP1, TP8, TP27 IB2, T4, TP1, TP8 B1, IB3, T2, TP1	None None 150 150	201 202 203	None None None	Forbiddn 1 L 5 L 60 L	30 L 60 L 220 L	B B A	B B A	2, 25, 52, 53
UN0191	1.4G	UN0191	1.4G	1.4G	.....	.....	1.4G	1.4G	.....	381	None	62	None	Forbiddn	75 kg	02	02	25
UN0373	1.4S	UN0373	1.4S	1.4S	.....	.....	1.4S	1.4S	.....	381	None	62	None	Forbiddn	100 kg	01	01	25
UN0194	1.1G	UN0194	1.1G	1.1G	.....	.....	1.1G	1.1G	.....	.....	None	62	None	Forbiddn	75 kg	03	03	25
UN0195	1.3G	UN0195	1.3G	1.3G	.....	.....	1.3G	1.3G	.....	.....	None	62	None	Forbiddn	75 kg	03	03	25
UN0505	1.4G	UN0505	1.4G	1.4G	.....	.....	1.4G	1.4G	.....	.....	None	62	None	Forbiddn	75 kg	02	02	25
UN0506	1.4S	UN0506	1.4S	1.4S	.....	.....	1.4S	1.4S	.....	.....	None	62	None	Forbiddn	100 kg	01	01	25
UN0192	1.1G	UN0192	1.1G	1.1G	.....	.....	1.1G	1.1G	.....	.....	None	62	None	Forbiddn	Forbiddn	03	03	25
UN0193	1.4S	UN0193	1.4S	1.4S	.....	.....	1.4S	1.4S	.....	381	None	62	None	Forbiddn	100 kg	01	01	25
UN0492	1.3G	UN0492	1.3G	1.3G	.....	.....	1.3G	1.3G	.....	.....	None	62	None	Forbiddn	Forbiddn	03	03	25
UN0493	1.4G	UN0493	1.4G	1.4G	.....	.....	1.4G	1.4G	.....	.....	None	62	None	Forbiddn	75 kg	02	02	25
UN0196	1.1G	UN0196	1.1G	1.1G	.....	.....	1.1G	1.1G	.....	.....	None	62	None	Forbiddn	Forbiddn	03	03	25
UN0197	1.4G	UN0197	1.4G	1.4G	.....	.....	1.4G	1.4G	.....	.....	None	62	None	Forbiddn	75 kg	02	02	25
UN0313	1.2G	UN0313	1.2G	1.2G	.....	.....	1.2G	1.2G	.....	.....	None	62	None	Forbiddn	Forbiddn	03	03	25
UN0487	1.3G	UN0487	1.3G	1.3G	.....	.....	1.3G	1.3G	.....	.....	None	62	None	Forbiddn	Forbiddn	03	03	25
UN0507	1.4S	UN0507	1.4S	1.4S	.....	.....	1.4S	1.4S	.....	.....	None	62	None	Forbiddn	100 kg	01	01	25
UN2203	2.1	UN2203	2.1	2.1	.....	.....	2.1	2.1	.....	.....	None	302	None	Forbiddn	Forbiddn	E	E	40, 57, 104
UN1346	4.1	UN1346	4.1	4.1	III	8	4.1	4.1	III	A1, IB8, IP3, T1, TP33 A3, A6, B2, B6, T10, TP2, TP7, TP13	None None	213 202	None None	Forbiddn	100 kg 30 L	A C	A C	74 40
UN1818	8	UN1818	8	8	II	8	8	8	II	.....	None	202	None	Forbiddn	Forbiddn	D D	D D	40 40
UN1859	2.3	UN1859	2.3	2.3	.....	.....	2.3	2.3	.....	2	None	302	None	Forbiddn	Forbiddn	A	A	40
UN3521	2.3	UN3521	2.3	2.3	.....	.....	2.3	2.3	.....	2	None	302c	None	Forbiddn	Forbiddn	A	A	40
UN1683	6.1	UN1683	6.1	6.1	II	6.1	6.1	6.1	II	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	A	40, 52
UN1684	6.1	UN1684	6.1	6.1	II	6.1	6.1	6.1	II	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	A	40, 52
UN1493	5.1	UN1493	5.1	5.1	II	5.1	5.1	5.1	II	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	A	40, 52
UN1347	4.1	UN1347	4.1	4.1	I	4.1	4.1	4.1	I	23, W31	None	211	None	Forbiddn	Forbiddn	D	D	28, 36

G

§ 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	Sludge, acid	8	UN1906	II	8	A3, A7, B2, IB2, N34, T8, TP2, TP28	None	202	242	Forbidden	30 L	C	14
	Smokeless powder for small arms (100 pounds or less)	4.1	NA3178	I	4.1	B2, IB2, T7, TP2	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, W32	151	211	244	Forbidden	15 kg	D	13, 52, 148
A	Sodium aluminate, solid	8	UN2812	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	52.
	Sodium aluminate, solution	8	UN1819	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52.
	Sodium aluminum hydride	4.3	UN2835	III	8	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 arsenate	6.1	UN2473	III	6.1	IB8, IP2, IP4, T3, TP33	153	213	240	100 kg	200 kg	A	
	Sodium arsenite, aqueous solutions	6.1	UN1685	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Sodium arsenite, solid	6.1	UN2027	III	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Sodium azide	6.1	UN1687	II	6.1	IB3, T4, TP2	153	203	241	241	220 L	A	
	Sodium bifluoride, see Sodium hydrogendifluoride									25 kg	100 kg	A	
	Sodium bisulfite, solution, see Bisulfites, aqueous solutions, n.o.s.									25 kg	100 kg	A	
	Sodium borohydride	4.3	UN1426	I	4.3	IB8, IP2, IP4	153	212	242	242	25 kg	A	36, 52, 91
	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	Forbidden	15 kg	E	13, 52, 148, 52
										1 L	30 L	A	
Sodium bromate		5.1	UN1494	III	8	B2, IB3, N34, T4, TP2	154	203	241	5 L	60 L	A	52
				II	5.1	IB8, IP2, IP4, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58

Sodium cacodylate	6.1	UN1688	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	52
Sodium carbonate peroxyhydrate	5.1	UN3378	II	5.1	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
Sodium chlorate mixed with dinitro-toluene, see Explosive blasting, type C			III	5.1	A2, IB2, T4, TP1	152	202	241	1 L	5 L	B	56, 58, 133
Sodium chlorite	5.1	UN1496	II	5.1	A2, IB2, T4, TP1	152	203	241	2.5 L	30 L	B	56, 58, 69, 133
Sodium chloroacetate	6.1	UN2659	III	6.1	A9, IB8, IP2, IP4, N34, T3, TP33	None	212	242	5 kg	25 kg	A	56, 58
Sodium cuprocyanide, solid	6.1	UN2316	I	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
Sodium cuprocyanide, solution	6.1	UN2317	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40, 52
Sodium cyanide, solid	6.1	UN1689	I	6.1	T14, TP2, TP13	None	201	242	1 L	30 L	B	52
Sodium cyanide solution	6.1	UN3414	I	6.1	B69, B77, IB7, N74, N75, T6, TP33, W31	None	201	243	1 L	30 L	B	52
			II	6.1	B69, B77, N74, N75, T14, TP2, TP13, W31	None	202	243	5 L	60 L	B	52
			III	6.1	B69, B77, IB2, N74, N75, T11, TP2, TP13, TP27, W31	153	203	241	60 L	220 L	A	52
Sodium dichloroisocyanurate or Sodium dichloro-s-triazinetriene, see Dichloroisocyanuric acid etc	1.3C	UN0234	.....	1.3C	B69, B77, IB3, N74, N75, T7, TP2, TP13, TP28, W31	153	62	None	Forbidden	Forbidden	04	25, 5E
Sodium dinitro-o-cresolate, dry or wetted with less than 15 percent water, by mass	4.1	UN3369	I	4.1	.....	None	211	None	0.5 kg	0.5 kg	E	28, 36
Sodium dinitro-o-cresolate, wetted with not less than 10% water, by mass	4.1	UN1948	I	4.1, 6.1	162, A8, A19, N41, N84, W31	None	211	None	1 kg	15 kg	E	28, 36
Sodium dinitro-o-cresolate, wetted with not less than 15 percent water, by mass	4.2	UN1384	II	4.2	23, A8, A19, A20, N41, W31	None	211	None	15 kg	50 kg	E	13
Sodium fluoride, solid	6.1	UN1690	III	6.1	A19, A20, IB6, IP2, T3, TP33, W31	None	212	240	100 kg	200 kg	A	52
Sodium fluoride solution	6.1	UN3415	III	6.1	IB8, IP3, T1, TP33	153	213	241	60 L	220 L	A	52
Sodium fluorooxalate	6.1	UN2629	I	6.1	IB3, T4, TP1	153	211	242	5 kg	50 kg	E	52
Sodium fluorosilicate	6.1	UN2674	III	6.1	IB7, IP1, T6, TP33	None	211	240	100 kg	200 kg	A	52
Sodium hydrate, see Sodium hydroxide, solid					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 (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Sodium hydride	4.3	UN1427	I	4.3	A19, N40, W32	None	211	242	Forbidden	15 kg	E	13, 52, 148
	Sodium hydrogendifluoride	8	UN2439	II	8	IB8, IP2, IP4, N3, N34, T3, TP33	154	212	240	15 kg	50 kg	A	12, 25, 40, 52
	Sodium hydrosulfide, with less than 25 percent water of crystallization	4.2	UN2318	II	4.2	A7, A19, A20, IB6, IP2, T3, TP33, W31	None	212	241	15 kg	50 kg	A	52
	Sodium hydrosulfide with not less than 25 percent water of crystallization	8	UN2949	II	8	A7, IB8, IP2, IP4, T7, TP2	154	212	240	15 kg	50 kg	A	52
	Sodium hydrosulfite, see Sodium dithionite												
	Sodium hydroxide, solid	8	UN1823	II	8	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52.
	Sodium hydroxide solution	8	UN1824	II	8	B2, IB2, N34, T7, TP2	154	202	242	1 L	30 L	A	52.
	Sodium hypochlorite, solution, see Hypochlorite solutions etc												
	Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.												
	Sodium methylate	4.2	UN1431	II	4.2, 8	A7, A19, IB5, IP2, T3, TP33, W31	None	212	242	15 kg	50 kg	B	
	Sodium methylate solutions in alcohol	3	UN1289	II	3, 8	IB2, T7, TP1, TP8	150	202	243	1 L	5 L	B	
	Sodium monoxide	8	UN1825	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	
	Sodium nitrate	5.1	UN1498	III	5.1	IB8, IP2, IP4, T3, TP33	154	212	240	15 kg	50 kg	A	52.
	Sodium nitrate and potassium nitrate mixtures	5.1	UN1499	III	5.1	A1, A29, B120, IB8, IP3, T1, TP33, W1	152	213	240	25 kg	100 kg	A	
	Sodium nitrite	5.1	UN1500	III	5.1, 6.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
	Sodium pentachlorophenate	6.1	UN2567	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	Sodium perborate monohydrate	5.1	UN3377	III	5.1	B120, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	13, 25, 75
	Sodium perchlorate	5.1	UN1502	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
	Sodium permanganate	5.1	UN1503	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	56, 58, 138

Sodium peroxide	5.1	UN1504	I	5.1	A20, IB5, IP1, N34	None	211	None	15 kg	C	13, 52, 66, 75, 148
Sodium peroxoborate, anhydrous	5.1	UN3247	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	5 kg	25 kg	A	13, 25, 58, 145
Sodium persulfate	5.1	UN1505	III	5.1	A1, IB8, IP3, T1, TP33	152	213	25 kg	100 kg	A	13, 40, 52, 85, 148
Sodium phosphide	4.3	UN1432	I	4.3, 6.1	A19, N40, W32	None	211	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	.....	None	62	Forbidden	Forbidden	04	25, 5E
Sodium picramate, wetted with not less than 20 percent water, by mass	4.1	UN1349	I	4.1	23, A8, A19, N41, W31	None	211	Forbidden	15 kg	E	28, 36
Sodium picyl peroxide	Forbidden										
Sodium potassium alloys	Forbidden										
Sodium selenate, see Selenates or Selenites	Forbidden										
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	None	212	15 kg	50 kg	A	52
Sodium sulfide, hydrated with not less than 30 percent water	8	UN1849	II	8	IB8, IP2, IP4, T3, TP33	154	212	15 kg	50 kg	A	52
Sodium superoxide	5.1	UN2547	I	5.1	A20, IB6, IP1, N34	None	211	Forbidden	15 kg	D	13, 52, 66, 75, 148
Sodium tetrafluoroborate	Forbidden										
Solids containing corrosive liquid, n.o.s.	8	UN3244	II	8	49, IB5, T3, TP33	154	212	15 kg	50 kg	B	40
Solids containing flammable liquid, n.o.s.	4.1	UN3175	II	4.1	47, IB6, IP2, T3, TP33	151	212	15 kg	50 kg	B	40
Solids containing toxic liquid, n.o.s.	6.1	UN3243	II	6.1	48, IB2, T2, TP33	153	212	25 kg	100 kg	B	40
Sounding devices, explosive	1.2F	UN0204	.....	1.2F	.....	None	62	Forbidden	Forbidden	05	25
Sounding devices, explosive	1.1F	UN0296	.....	1.1F	.....	None	62	Forbidden	Forbidden	05	25
Sounding devices, explosive	1.1D	UN0374	.....	1.1D	.....	None	62	Forbidden	Forbidden	04	25
Spirits of salt, see Hydrochloric acid	1.2D	UN0375	.....	1.2D	.....	None	62	Forbidden	Forbidden	04	25
Squibs, see Igniters, etc											
Stannic chloride, anhydrous	8	UN1827	II	8	B2, IB2, T7, TP2	154	202	1 L	30 L	C	
Stannic chloride pentahydrate	8	UN2440	III	8	IB8, IP3, T1, TP33	154	213	25 kg	100 kg	A	13, 40, 52, 85, 148
Stannic phosphide	4.3	UN1433	I	4.3, 6.1	A19, N40, W32	None	211	Forbidden	15 kg	E	
Steel swarf, see Ferrous metal borings, etc											
Stibine	2.3	UN2676	I	2.3, 2.1	1	None	304	Forbidden	Forbidden	D	40
Storage batteries, wet, see Batteries, wet, etc											

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
G	Strontium arsenite	6.1	UN1691	II	6.1	IB8, IP2, IP4, T3, TP33 A1, A8, IB8, IP2, IP4, N34, T3, TP33 A1, A29, IB8, IP3, T1, TP33 IB6, IP2, T3, TP33 IB6, IP2, T3, TP33, W100 A19, N40, W32 IB7, IP1, T6, TP33 387, B1, IB3, T2, TP1 101 101 101	153	212	242	25 kg	100 kg	A	56, 58
	Strontium chlorate	5.1	UN1506	II	5.1		152	212	242	5 kg	25 kg	A	
	Strontium nitrate	5.1	UN1507	III	5.1		152	213	240	25 kg	100 kg	A	
	Strontium perchlorate	5.1	UN1508	II	5.1		152	212	242	5 kg	25 kg	A	
	Strontium peroxide	5.1	UN1509	II	5.1		152	212	242	5 kg	25 kg	C	
G	Strontium phosphide	4.3	UN2013	I	4.3, 6.1	None	211	None	Forbidden	15 kg	E	13, 40, 52, 85, 148, 148	
G	Strychnine or Strychnine salts	6.1	UN1692	I	6.1	None	211	242	5 kg	50 kg	A	40	
	Strychnic acid, <i>etc</i>												
	Styrene monomer, stabilized	3	UN2055	III	3	387, B1, IB3, T2, TP1	150	203	60 L	220 L	C	25	
G	Substances, explosive, n.o.s.	1.1L	UN0357	.....	1.1L	101	None	62	None	Forbidden	05	25, 14E, 15E
	Substances, explosive, n.o.s.	1.2L	UN0358	.....	1.2L	101	None	62	None	Forbidden	05	25, 14E, 15E
G	Substances, explosive, n.o.s.	1.3L	UN0359	.....	1.3L	101	None	62	None	Forbidden	05	25, 14E, 15E
	Substances, explosive, n.o.s.	1.1A	UN0473	.....	1.1A	101, 111	None	62	None	Forbidden	05	25
	Substances, explosive, n.o.s.	1.1C	UN0474	.....	1.1C	101	None	62	None	Forbidden	04	25
	Substances, explosive, n.o.s.	1.1D	UN0475	.....	1.1D	101	None	62	None	Forbidden	04	25
	Substances, explosive, n.o.s.	1.1G	UN0476	.....	1.1G	101	None	62	None	Forbidden	03	25
	Substances, explosive, n.o.s.	1.3C	UN0477	.....	1.3C	101	None	62	None	Forbidden	04	25
	Substances, explosive, n.o.s.	1.3G	UN0478	.....	1.3G	101	None	62	None	Forbidden	03	25
	Substances, explosive, n.o.s.	1.4C	UN0479	.....	1.4C	101	None	62	None	Forbidden	02	25
	Substances, explosive, n.o.s.	1.4D	UN0480	1.4D	101	None	62	None	Forbidden	75 kg	02	25
	Substances, explosive, n.o.s.	1.4S	UN0481	1.4S	101	None	62	None	Forbidden	75 kg	01	25
	Substances, explosive, n.o.s.	1.4G	UN0485	1.4G	101	None	62	None	Forbidden	75 kg	02	25
	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	II	3, 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	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	5 L	60 L	B	40
Sucrose octanitrate (dry)	Forbidden		III	6.1, 3	B1, IB3, T7, TP2, TP28	153	203	242	60 L	220 L	A	40
Sulfamic acid	8	UN2967	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	40
Sulfur	9	NA1350	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	40
Sulfur	4.1	UN1350	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40
Sulfur and chlorate, loose mixtures of	Forbidden		III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40
Sulfur chlorides	8	UN1828	III	9	30, B120, IB8, IP2, TP3	None	None	240	No Limit	No Limit	A	25, 74
Sulfur dioxide, see Sulfurous acid	2.3	UN1079	III	2.3, 8	5, A3, A7, A10, B10, B77, N34, T20, TP2	None	201	243	Forbidden	2.5 L	C	40
Sulfur dioxide solution, see Sulfurous acid	2.2	UN1080	I	8	3, B14, T50, TP19	None	304	314, 315	Forbidden	Forbidden	D	40
Sulfur hexafluoride	9	NA2448	III	2.2	30, B13, IB3, R1, T1, TP3	306	304	314, 315	75 kg	150 kg	A	61
Sulfur, molten	4.1	UN2448	III	4.1	30, B13, IB1, R1, T1, TP3	None	213	247	Forbidden	Forbidden	C	74
Sulfur tetrafluoride	2.3	UN2418	I	2.3, 8	2, 387, B9, B14, B32, B49, B77, N34, T20, TP4, TP13, TP25, TP26, TP38, TP45	None	302	245	Forbidden	Forbidden	D	40, 52
Sulfur trioxide, stabilized	8	UN1829	I	8, 6.1		None	227	244	Forbidden	Forbidden	A	25, 40
Sulfuretted hydrogen, see Hydrogen sulfide												
Sulfuric acid, fuming with less than 30 percent free sulfur trioxide	8	UN1831	I	8	A3, A7, N34, T20, TP2, TP13	None	201	243	Forbidden	2.5 L	C	14, 40

D

I

+

§ 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)	
+	Sulfuric acid, fuming with 30 per-cent or more free sulfur trioxide	8	UN1831	I	8, 6.1	2, B9, B14, B32, B77, B84, N34, T20, TP2, TP12, TP13	None	227	244	Forbidden	Forbidden	C		
	Sulfuric acid, spent	8	UN1832	II	8	A3, A7, B2, B83, B84, IB2, N34, T8, TP2	None	202	242	Forbidden	30 L	C	14	
	Sulfuric acid with more than 51 per-cent acid	8	UN1830	II	8	A3, A7, B3, B83, B84, IB2, N34, T8, TP2	154	202	242	1 L	30 L	C	14	
	Sulfuric acid with not more than 51% acid	8	UN2796	II	8	386, A3, A7, B2, B15, IB2, N6, N34, T8, TP2	154	202	242	1 L	30 L	B		
	Sulfuric and hydrofluoric acid mix-tures, see Hydrofluoric and sul-furic acid mixtures													
	Sulfuric anhydride, see Sulfur tri-oxide, stabilized													
	Sulfurous acid	8	UN1833	II	8	B3, IB2, T7, TP2	154	202	242	1 L	30 L	B	40	
	Sulfonyl chloride	6.1	UN1834	I	6.1, 8	1, B6, B9, B10, B14, B30, B77, N34, T22, TP2, TP13, TP38, TP44	None	226	244	Forbidden	Forbidden	D	40	
	Sulfonyl fluoride	2.3	UN2191		2.3		None	304	314,	Forbidden	Forbidden	D	40	
	Tars, liquid, including road oils and curback bitumens	3	UN1999	II	3	149, B13, IB2, T3, TP3,	150	202	242	5 L	60 L	B		
Tear gas candles	6.1	UN1700	.....	6.1, 4.1	B1, B13, IB3, T1, TP3	None	203	242	60 L	220 L	A		
Tear gas cartridges, see Ammuni-tion, tear-producing, etc					.....		340	None	Forbidden	50 kg	D	40	
Tear gas devices with more than 2 percent tear gas substances, by mass	6.1	NA1693	I	6.1		None	340	None	Forbidden	Forbidden	D	40		
Tear gas devices, with not more than 2 percent tear gas sub-stances, by mass, see Aerosols, etc						None	340	None	Forbidden	Forbidden	D	40		
Tear gas grenades, see Tear gas candles														
G	Tear gas substances, liquid, n.o.s	6.1	UN1693	I	6.1	W31	None	201	None	Forbidden	Forbidden	D	40	

G	Tear gas substance, solid, n.o.s	6.1	UN3448	I	6.1	IB8, IP2, IP4, T3, TP33, W31	None	202	None	242	Forbiddén	5 L	D	40
G	Tellurium compound, n.o.s	6.1	UN3284	II	6.1	IB7, IP1, T6, TP33	None	211	None	242	Forbiddén	25 kg	D	40
	Tellurium hexafluoride	2.3	UN2195	I	6.1	IB8, IP2, IP4, T3, TP33	None	212	None	242	Forbiddén	100 kg	B	40
	Terpene hydrocarbons, n.o.s.	3	UN2319	III	6.1	IB8, IP3, T1, TP33	None	213	None	240	Forbiddén	200 kg	B	40
	Terpinolene	3	UN2541	III	2.3, 8	B1, IB3, T4, TP1, TP29	None	302	None	None	Forbiddén	Forbiddén	D	40
	Tetraazido benzene quinone	Forbiddén	UN2504	III	3	B1, IB3, T2, TP1	None	203	None	242	60 L	220 L	A	40
	Tetrabromoethane	6.1	UN2504	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	40	
	1,1,2,2-Tetrachloroethane	6.1	UN1702	II	6.1	IB2, N36, T7, TP2	155	202	243	5 L	60 L	A	40	
	Tetrachloroethylene	6.1	UN1897	III	6.1	IB3, N36, T4, TP1	153	203	241	60 L	220 L	A	40	
	Tetraethyl dithiopyrophosphate	6.1	UN1704	II	6.1	IB2, T7, TP2	153	212	242	25 kg	100 kg	D	40	
	Tetraethyl silicate	3	UN1292	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
	Tetraethylammonium perchlorate (dry)	Forbiddén	UN2320	III	8	IB3, T4, TP1	154	203	241	5 L	60 L	A	52	
	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, 315	75 kg	150 kg	A	40
	Tetrafluoroethylene, stabilized	2.1	UN1081	.....	2.1	387	306	304	None	Forbiddén	150 kg	E	25, 40
	Tetrafluoromethane or Refrigerant gas R 14	2.2	UN1982	.....	2.2		None	302	None	75 kg	150 kg	A	40
	1,2,3,6-Tetrahydrobenzaldehyde	3	UN2498	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
	Tetrahydrofuran	3	UN2056	II	3	IB2, T4, TP1	None	202	242	5 L	60 L	B	40	
	Tetrahydrofurfurylamine	3	UN2943	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A	40	
	Tetrahydrophthalic anhydrides with more than 0.05 percent of maleic anhydride	8	UN2698	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	40	
	1,2,3,6-Tetrahydropyridine	3	UN2410	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40	
	Tetrahydrothiophene	3	UN2412	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	40	
	Tetramethylammonium hydroxide, solid	8	UN3423	II	8	B2, IB8, IP2, IP4, T3, TP33	154	213	240	15 kg	50 kg	A	52	
	Tetramethylammonium hydroxide solution	8	UN1835	II	8	B2, IB2, T7, TP2	154	202	242	1 L	30 L	A	52	
	Tetramethylene diperoxide	Forbiddén		III	8	B2, IB3, T7, TP2	154	203	241	5 L	60 L	A	52	
	Tetramethyl dicarbamide	3	UN2749	I	3	A7, T14, TP2	None	201	243	Forbiddén	30 L	D	40	
	Tetramethylsilane	Forbiddén		.....	1.1D		None	62	None	Forbiddén	Forbiddén	04	25
	Tetranitro diglycerin	1.1D	UN0207	I	6.1,	2, B32, T20, TP2, TP13, TP38, TP44	None	227	None	Forbiddén	Forbiddén	D	40, 6	
	Tetranitroamine	6.1	UN1510	I	5.1		None							
	2,3,4,6-Tetranitrophenol	Forbiddén												
	2,3,4,6-Tetranitrophenyl methyl nitramine	Forbiddén												
	2,3,4,6-Tetranitrophenyl nitramine	Forbiddén												
	Tetranitroresorcinol (dry)	Forbiddén												

+

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage		
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)	
A I W	2,3,5,6-Tetranitroso-1,4-dinitrobenzene	Forbidden												
	2,3,5,6-Tetranitroso nitrobenzene (dry)	Forbidden												
	Tetrapropylorthotitanate	3	UN2413	III	3	B1, IB3, T4, TP1	150	203	242	60 L	220 L	A		
	Tetrazene, <i>see</i> Guanyl nitrosaminoquanyltetrazene													
	Tetrazine (dry)	Forbidden												
	Tetrazo-1-acetic acid	1.4C	UN0407	1.4C	None	62	None	None	75 kg	Forbidden	02	25
	1H-Tetrazole	1.1D	UN0504	1.1D	None	62	None	None	Forbidden	Forbidden	04	25, 5E
	Tetrazolyl azide (dry)	Forbidden												
	Tetryl, <i>see</i> Trinitrophenylmethylnitramine													
	Trinitrophenylmethylnitramine	4.2	UN1857	III	4.2	IB6, IP2, T3, TP33	151	213	240	Forbidden	Forbidden	Forbidden	A	56, 58
Textile waste, wet	5.1	UN2573	II	5.1, 6.1		152	212	242	242	5 kg	25 kg	A		
Thallium chloride	6.1	UN1707	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	242	25 kg	100 kg	A		
Thallium compounds, n.o.s.	6.1	UN2727	II	6.1, 5.1	IB6, IP2, T3, TP33	153	212	242	242	5 kg	25 kg	A		
Thallium nitrate	6.1	UN2785	III	3	IB3, T4, TP1, W31	153	203	241	241	60 L	220 L	D	25, 49	
4-Thiapentanal	3	UN2436	III	3	IB2, T4, TP1	150	202	242	242	5 L	60 L	B		
Thioacetic acid	3	UN2772	I	3, 6.1	T14, TP2, TP13, TP27	None	201	243	243	Forbidden	30 L	B	40	
Thiocarbamate pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	6.1	UN3005	II	3, 6.1, 6.1, 3	IB2, T11, TP13, TP27	150	202	243	243	1 L	60 L	B	40	
Thiocarbamate pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN3006	I	6.1, 3	T14, TP2, TP13	None	201	243	243	1 L	30 L	B	40	
Thiocarbamate pesticide, liquid, toxic	6.1	UN3006	II	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	243	243	5 L	60 L	B	40	
Thiocarbamate pesticide, liquid, toxic	6.1	UN3006	III	6.1, 3	IB3, T7, TP2, TP28	153	203	242	242	60 L	220 L	A	40	
Thiocarbamate pesticides, solid, toxic	6.1	UN2771	I	6.1	T14, TP2, TP13	None	201	243	243	1 L	30 L	B	40	
Thiocarbamate pesticides, solid, toxic	6.1	UN2771	II	6.1	IB2, T11, TP2, TP13, TP27	153	202	243	243	5 L	60 L	B	40	
Thiocarbamate pesticides, solid, toxic	6.1	UN2771	III	6.1	IB3, T7, TP2, TP28	153	203	241	241	60 L	220 L	A	40	
Thiocarbamate pesticides, solid, toxic	6.1	UN2771	I	6.1	IB7, IP1, T6, TP33	None	211	242	242	5 kg	50 kg	A	40	

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							(8A) Excep-tions	(8B) Non-bulk	(8C) Bulk	(9A) Passenger aircraft/rail	(9B) Cargo air-craft only	Loca-tion	Other
(1)	Titanium trichloride mixtures	8	UN2869	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	240	15 kg	50 kg	A	40
	Titanium trichloride, pyrophoric or Titanium trichloride mixtures, pyrophoric	4.2	UN2441	I	4, 2, 8	N34, W31	None	181	244	Forbidden	Forbidden	D	13, 40, 148
	TNT mixed with aluminum, see Tritonal												
	TNT, see Trinitrotoluene, etc												
+	Toluene	3	UN1294	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B	
	Toluene diisocyanate	6.1	UN2078	II	6.1	IB2, T7, TP2, TP13	153	202	243	5 L	60 L	D	25, 40
	Toluene sulfonic acid, see Alkyl, or Aryl sulfonic acid etc												
+	Toluidines, liquid	6.1	UN1708	II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	A	
	Toluidines, solid	6.1	UN3451	II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
	2,4-Toluylenediamine, solid or 2,4-Toluenediamine, solid	6.1	UN1709	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	
	2,4-Toluylenediamine solution or 2,4-Toluenediamine solution	6.1	UN3418	III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A	
	Torpedoes, liquid fueled, with inert head	1.3J	UN0450	.....	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	04	25
	Torpedoes with bursting charge	1.1F	UN0330	.....	1.1F	.....	.....	62	None	Forbidden	Forbidden	05	25
	Torpedoes with bursting charge	1.1D	UN0451	.....	1.1D	.....	.....	62	62	Forbidden	Forbidden	04	25
G	Toxic by inhalation liquid, flammable, corrosive, n.o.s. with an LC50 lower than or equal to 200 ml/m3 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-reactive, 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-reactive, 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-reactive, 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	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-reactive, 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	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

§ 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, 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 saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3388	I	6.1, 5.1	2, B9, B14, B32, T20, TP2, TP13, TP38, TP44	None	227	244	Forbidden	Forbidden	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 saturated vapor concentration greater than or equal to 10 LC50	6.1	UN3390	I	6.1, 8	2, B9, B14, B32, T20, TP2, TP13, TP27, TP38, TP45	None	227	244	Forbidden	Forbidden	D	40
G	Toxic liquid, corrosive, inorganic, n.o.s.	6.1	UN3289	I	6.1, 8	T14, TP2, TP13, TP27	None	201	243	0.5 L	2.5 L	A	40
G	Toxic liquid, inorganic, n.o.s.	6.1	UN3287	II	6.1, 8	IB2, T11, TP2, TP27	153	202	243	1 L	30 L	A	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	III	6.1	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	A	40
G	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2929	III	6.1, 8	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40
G	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2810	II	6.1, 3	T14, TP2, TP13, TP27	None	201	243	1 L	30 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	II	6.1	IB2, T11, TP2, TP27	None	201	243	1 L	30 L	B	40
G	Toxic liquids, organic, n.o.s.	6.1	UN2810	III	6.1	IB3, T7, TP1, TP28	153	203	241	60 L	220 L	A	40

§ 172.101 HAZARDOUS MATERIALS TABLE—Continued

(1) Sym-bols	(2) Hazardous materials descriptions and proper shipping names	(3) Hazard class or Division	(4) Identi-fication Numbers	(5) PG	(6) Label Codes	(7) Special provisions (§ 172.102)	(8) Packaging (§ 173.***)			(9) Quantity limitations (see §§ 173.27 and 175.75)		(10) Vessel stowage	
							Excep-tions (8A)	Non-bulk (8B)	Bulk (8C)	Passenger aircraft/rail (9A)	Cargo air-craft only (9B)	Loca-tion (10A)	Other (10B)
	Triallylamine Triazine pesticides, liquid, flam-mable, toxic, flash point less than 23 degrees C	3 3	UN2610	III	3, 8	B1, IB3, T4, TP1 T14, TP2, TP13, TP27	None	203	5 L	60 L	A	40	
			UN2764					201					Forbidden	30 L	B	40
	Triazine pesticides, liquid, toxic	6.1	UN2998	II	3, 6.1	IB2, T11, TP2, TP13, TP27	150	202	1 L	60 L	B	40	
								201					1 L	30 L	B	40
	Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	6.1	UN2997	III	6.1	IB3, T7, TP2, TP28	153	203	60 L	220 L	A	40	
								201					1 L	30 L	B	40
	Triazine pesticides, solid, toxic	6.1	UN2763	III	6.1, 3	IB2, T11, TP2, TP13, TP27	153	202	5 L	60 L	B	40	
								203					60 L	220 L	A	40
	Tributylamine Tributylphosphane <i>Trichloro-s-triazinetrione dry, with more than 39 percent available chlorine, see Trichloroisocyanuric acid, dry</i>	6.1 4.2	UN2542 UN3254	II	6.1	IB8, IP2, IP4, TP3, TP33	153	213	100 kg	200 kg	A	40	
								202					5 L	60 L	A	40
Trichloroacetic acid	8	UN1839	II	8	A7, IB8, IP2, IP4, N34, T3, TP33	154	212	15 kg	50 kg	A	8		
							202					1 L	30 L	B
Trichloroacetic acid, solution	8	UN2564	III	8	A3, A6, A7, B2, IB2, N34, T7, TP2	154	202	5 L	60 L	B	8		
							203					5 L	60 L	B
Trichloroacetyl chloride	8	UN2442	II	8, 6.1	A3, A6, A7, IB3, N34, T4, TP1	154	203	Forbidden	Forbidden	D	40		
							227						
Trichlorobenzenes, liquid	6.1	UN2321	III	6.1	2, B9, B14, B32, N34, T20, TP2, TP38, TP45	None	203	60 L	220 L	A	25, 40		
							202					5 L	60 L	A	40
Trichlorobutene	6.1	UN2322	III	6.1	IB3, T4, TP1	153	203	60 L	220 L	A	40		
							202					60 L	220 L	A	40
1,1,1-Trichloroethane	6.1	UN2831	III	6.1	IB3, N36, T4, TP1	153	203	60 L	220 L	A	40		
							202					60 L	220 L	A	40
Trichloroethylene	6.1	UN1710	III	6.1	IB3, N36, T4, TP1	153	203	60 L	220 L	A	40		
							202					60 L	220 L	A	40
Trichloroisocyanuric acid, dry	5.1	UN2468	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	5 kg	25 kg	A	13		
							240						

Trichloromethyl perchlorate	Forbiddén	UN1295	I	4, 3, 3, 8	N84, T14, TP2, TP7, TP13, W31	None	201	244	Forbiddén	D	21, 40, 49, 100
Trichlorosilane	4, 3										
Tricresyl phosphate with more than 3 percent ortho isomer	6.1	UN2574	II	6.1	A3, IB2, N33, N34, T7, TP2	153	202	243	5 L	A	40
Triethyl phosphite	3	UN2323	III	3	B1, IB3, T2, TP1	150	203	242	220 L	A	40
Triethyl phosphite	3	UN1296	II	3, 8	IB2, T7, TP1	150	202	243	1 L	B	40, 52
Triethylenetetramine	8	UN2259	II	8	B2, IB2, T7, TP2	154	202	242	1 L	B	12, 25, 40
Trifluoroacetic acid	8	UN2699	I	8	A3, A6, A7, B4, N3, N34, N36, T10, TP2	None	201	243	0.5 L	B	40
Trifluoroacetyl chloride	2, 3	UN3057		2, 3, 8	2, B7, B9, B14, T50, TP21	None	304	314, 315	Forbiddén	D	40
Trifluorochloroethylene, stabilized or Refrigerant gas R 1113	2, 3	UN1082	.....	2, 3, 2, 1	3, 387, B14, T50	None	304	314, 315	Forbiddén	D	25, 40
Trifluoromethane or Refrigerant gas R 23	2, 2	UN1984		2, 2		306	304	314, 315	75 kg	A	
Trifluoromethane, refrigerated liquid	2, 2	UN3136		2, 2	T75, TP5	306	None	314, 315	50 kg	D	
1,1,1-Trifluoroethane or Refrigerant gas, R 143a	2, 1	UN2035		2, 1	T50	306	304	314, 315	150 kg	B	40
2-Trifluoromethylaniline	6.1	UN2942	III	6.1	IB3	153	203	241	220 L	A	40
3-Trifluoromethylaniline	6.1	UN2948	II	6.1	IB2, T7, TP2	153	202	243	5 L	A	
Trifluoromethane trinitrate	Forbiddén										
Trisobutylene	3	UN2324	III	3	B1, IB3, T4, TP1	150	203	242	60 L	A	
Triisopropyl borate	3	UN2616	III	3	IB2, T4, TP1	150	202	242	5 L	A	
Triisopropyl borate	3	UN2616	III	3	B1, IB3, T2, TP1	150	203	242	60 L	A	
Trimethoxysilane	6.1	NA9269	I	6.1, 3	2, B9, B14, B32, T20, TP4, TP13, TP38, TP45	None	227	244	Forbiddén	E	40
Trimethyl borate	3	UN2416	II	3	IB2, T7, TP1	150	202	242	5 L	B	
Trimethyl phosphite	3	UN2329	III	3	B1, IB3, T2, TP1	150	203	242	60 L	A	
1,3,5-Trimethyl-2,4,6-trinitrobenzene	Forbiddén										
Trimethylacetyl chloride	6.1	UN2438	I	6.1, 8, 3	2, B3, B9, B14, B32, N34, T20, TP2, TP13, TP38, TP45	None	227	244	Forbiddén	D	21, 25, 40, 100
Trimethylamine, anhydrous	2, 1	UN1083		2, 1	N87, T50	306	304	314, 315	Forbiddén	B	40
Trimethylamine, aqueous solutions with not more than 50 percent trimethylamine by mass	3	UN1297	I	3, 8	T11, TP1	None	201	243	0.5 L	D	40, 135
1,3,5-Trimethylbenzene	3	UN2325	III	3, 8	B1, IB2, T7, TP1	150	202	243	1 L	B	40, 41
Trimethylchlorosilane	3	UN1298	III	3, 8	B1, IB3, T7, TP1	150	203	242	5 L	A	40, 41
Trimethylcyclohexylamine	8	UN2326	III	8	B1, IB3, T2, TP2	150	203	242	60 L	A	
Trimethylene glycol diperchlorate	Forbiddén										
Trimethylhexamethylene diisocyanate	6.1	UN2328	III	6.1	A3, A7, B77, N34, T10, TP2, TP7, TP13	None	206	243	Forbiddén	E	40
Trimethylhexamethylenediamines	8	UN2327	III	8	IB3, T4, TP1	154	203	241	5 L	A	
Trimethylol nitromethane trinitrate	Forbiddén										

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)	
	Tritro-m-cresol	1.1D	UN0216	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	2,4,6-Tritro-1,3-diazobenzene	Forbidden												
	2,4,6-Tritro-1,3,5-triazido benzene (dry)	Forbidden												
	Tritroacetic acid	Forbidden												
	Tritroacetone	Forbidden												
	Tritroacetone trile	Forbidden												
	Tritroamine cobalt	Forbidden												
	Tritroamine or Picramide	Forbidden												
	Tritroanisole	1.1D	UN0153	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritrobenzene, dry or wetted with less than 30 percent water, by mass	1.1D	UN0213	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritrobenzene, dry or wetted with less than 30 percent water, by mass	1.1D	UN0214	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritrobenzene, wetted, with not less than 10% water, by mass	4.1	UN3367	I	4.1	162, A8, A19, N41, N84, W31	None	211	None	0.5 kg	0.5 kg	E	28, 36	
	Tritrobenzene, 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	
	Tritrobenzenesulfonic acid	1.1D	UN0386	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
	Tritrobenzoic acid, dry or wetted with less than 30 percent water, by mass	1.1D	UN0215	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritrobenzoic 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	
	Tritrobenzoic 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	
	Tritrochlorobenzene or Picryl chloride	1.1D	UN0155	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritrochlorobenzene (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	
	Tritroethanol	Forbidden												
	Tritroethylnitrate	Forbidden												
	Tritrofluorenone	1.1D	UN0387	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritromethane	Forbidden												
	1,3,5-Tritronaphthalene	Forbidden												
	Tritronaphthalene	1.1D	UN0217	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tritrophenetole	1.1D	UN0218	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25

Tritrophenol (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
Tritrophenol 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
Tritrophenol, 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)	1.1D	UN0208	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Tritrophenylmethylnitramine or Tetyl	1.1D	UN0219	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25, 5E
Tritroresorcinol or Styphnic acid, dry or wetted with less than 20 percent water, or mixture of alcohol and water, by mass	1.1D	UN0394	.....	1.1D	385	None	62	None	Forbidden	Forbidden	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	Forbidden	Forbidden	04	25, 5E
2,4,6-Trinitro-3-methyl nitraminoisole	Forbidden											
Tritrotriamine cobalt nitrate	Forbidden											
Tritrotoluene and Trinitrobenzene mixtures or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures or Trinitrotoluene and hexanitrostilbene mixtures	1.1D	UN0388	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Tritrotoluene mixtures containing Trinitrobenzene	1.1D	UN0389	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Hexanitrostilbene or TNT mixtures containing trinitrobenzene and hexanitrostilbene	1.1D	UN0209	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
Tritrotoluene or TNT, dry or wetted with less than 30 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 (TNT), wetted, with not less than 10 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
Tritrotoluene, wetted or TNT, wetted, with not less than 30 percent water by mass	3	UN2260	III	3, 8	B1, IB3, T4, TP1	150	203	242	5 L	60 L	A	40
Tripropylamine	3	UN2057	II	3	IB2, T4, TP2	150	202	242	5 L	60 L	B	
Tripropylene	III		III	3	B1, IB3, T2, TP2	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	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 (TVOPA)	Forbidden		III	6.1	IB3, T4, TP1	153	203	241	60 L	220 L	A		
	Tritonal	1.1D	UN0390	.....	1.1D	.....	None	62	None	Forbidden	Forbidden	04	25
	Tungsten hexafluoride	2.3	UN2196	III	2.3, 8	.....	None	338	None	Forbidden	Forbidden	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	242	1 L	30 L	B	
				II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B		
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Undecane	3	UN2330	III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	A		
	Uranium hexafluoride, radioactive material, excepted package, less than 0.1 kg, per package, non-fissile or fissile-excepted	6.1	UN3507	I	6.1, 7, 8	369	420	None	None	Less than .1 kg	Less than .1 kg	A	132	
	Urea hydrogen peroxide	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, dry or wetted with less than 20 percent water, by mass	1.1D	UN0220	.....	1.1D	T1, 119	None	62	None	Forbidden	Forbidden	04	25
	Urea nitrate, wetted, with not less than 10 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 nitrate, wetted with not less than 20 percent water, by mass	4.1	UN1357	I	4.1	23, 39, A8, A19, N41, W31	None	211	None	1 kg	15 kg	E	28, 36		
Urea peroxide, see Urea hydrogen peroxide														
Valeraldehyde	3	UN2058	II	3	IB2, T4, TP1	150	202	242	5 L	60 L	B			
Valeric acid, see Corrosive liquids, n.o.s.														
Valeryl chloride														
Vanadium compound, n.o.s.	8	UN2502	II	8, 3	A3, A6, A7, B2, IB2, N34, T7, TP2	154	202	243	1 L	30 L	C	40		
	6.1	UN3285	I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	B			
			III	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	B			
			II	8	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	C	40		
					A3, A6, A7, B2, B16, IB2, N34, T7, TP2	154	202	242	Forbidden	30 L	C			
Vanadium oxytrichloride	8	UN2443	II	8	IB2, N34, T7, TP2	154	202	242	100 kg	200 kg	A	40		
Vanadium pentoxide, non-fused form	6.1	UN2862	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	40		

UN number	Proper shipping name	Class	Division	Subdivision	Special provisions	Quantity	Label	Placard	Other	Notes	
UN2444	Vanadium tetrachloride	I	8	.....	A3, A6, A7, B4, N34, T10, TP2	201	None	243	2.5 L	C	40
UN2475	Vanadium trichloride	III	8	.....	IB8, IP3, T1, TP33	213	154	240	100 kg	A	40
UN2931	Vanadyl sulfate	II	6.1	.....	IB8, IP2, IP4, T3, TP33	212	153	242	100 kg	A	40
UN3166	Vehicle, flammable gas powered or powered Vehicle, fuel cell, flammable gas powered Vehicle, flammable liquid, powered or Vehicle, fuel cell, flammable liquid powered Very signal cartridge, see Cartridges, signal Vinyl acetate, stabilized Vinyl bromide, stabilized Vinyl butyrate, stabilized Vinyl chloride, stabilized	.....	9	.....	135, A200	220	220	220	No limit	A	
UN1301	Vinyl acetate, stabilized	II	3	.....	387, IB2, T4, TP1	202	150	242	5 L	C	25
UN1085	Vinyl bromide, stabilized	.....	2.1	.....	387, N86, T50	304	306	314, 315	150 kg	B	25, 40
UN2838	Vinyl butyrate, stabilized	.....	3	.....	387, IB2, T4, TP1	202	150	242	5 L	C	25
UN1086	Vinyl chloride, stabilized	.....	2.1	.....	21, 387, B44, N86, T50	304	306	314, 315	150 kg	B	25, 40
UN2589	Vinyl chloroacetate	II	6.1, 3	.....	IB2, T7, TP2	202	153	243	5 L	A	25
UN1302	Vinyl ethyl ether, stabilized	I	3	.....	387, A3, T11, TP2	201	None	243	30 L	D	25
UN1860	Vinyl fluoride, stabilized	.....	2.1	.....	387, N86	304	306	314, 315	150 kg	E	25, 40
UN1304	Vinyl isobutyl ether, stabilized	II	3	.....	387, IB2, T4, TP1	202	150	242	5 L	C	25
UN1087	Vinyl methyl ether, stabilized	.....	2.1	.....	387, B44, T50	304	306	314, 315	150 kg	B	25, 40
UN1303	Vinyl nitrate polymer	I	3	.....	387, T12, TP2, TP7	201	150	243	30 L	D	25, 40
UN3073	Vinylidene chloride, stabilized Vinylpyridines, stabilized	II	6.1, 3, 8	.....	387, IB1, T7, TP2, TP13	202	153	243	30 L	B	25, 40, 52, 100
UN2618	Vinytoluenes, stabilized	III	3	.....	387, B1, IB3, T2, TP1	203	150	242	220 L	C	25
UN1305	Vinyltrichlorosilane	II	3, 8	.....	A3, A7, B6, N34, T10, TP2, TP7, TP13	206	None	243	5 L	B	40
UN0370	Warheads, rocket with burster or expelling charge	.....	1.4D	.....	.....	62	None	62	75 kg	02	25
UN0371	Warheads, rocket with burster or expelling charge	.....	1.4F	.....	.....	62	None	None	Forbidden	05	25
UN0286	Warheads, rocket with bursting charge	.....	1.1D	.....	.....	62	None	62	Forbidden	04	25
UN0287	Warheads, rocket with bursting charge	.....	1.2D	.....	.....	62	None	62	Forbidden	04	25
UN0369	Warheads, rocket with bursting charge	.....	1.1F	.....	.....	62	None	None	Forbidden	05	25
UN0221	Warheads, torpedo with bursting charge	.....	1.1D	.....	.....	62	None	62	Forbidden	04	25
UN3129	Water-reactive liquid, corrosive, n.o.s.	I	4.3, 8	.....	T14, TP2, TP7, TP13	201	None	243	1 L	D	13, 148
		II	4.3, 8	.....	IB1, T11, TP2, TP7	202	None	243	1 L	E	13, 85, 148
		III	4.3, 8	.....	IB2, T7, TP2, TP7	203	None	242	5 L	E	13, 148

G

§ 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 liquid, n.o.s	4.3	UN3148	I	4.3	T13, TP2, TP7, TP41, W31	None	201	244	Forbidden	1 L	E	13, 40, 148										
														II	4.3	IB1, T7, TP2, TP7, W31	None	202	243	1 L	E	13, 40, 148	
																							III	4.3	IB2, T7, TP2, TP7, W31	None	203	242	60 L	E	13, 40, 148
G	Water-reactive liquid, toxic, n.o.s	4.3	UN3130	I	4.3, 6.1	A4	None	201	243	Forbidden	1 L	D	13, 148										
														II	4.3, 6.1	IB1	None	202	243	1 L	E	13, 85, 148	
																							III	4.3, 6.1	IB2	None	203	242	60 L	E	13, 85, 148
G	Water-reactive solid, corrosive, n.o.s	4.3	UN3131	I	4.3, 8	IB4, IP1, N40, T9, TP7, TP33, W31	None	211	242	Forbidden	15 kg	D	13, 148										
														II	4.3, 8	IB6, IP2, T3, TP33, W31, W40	151	212	242	15 kg	E	13, 85, 148	
																							III	4.3, 8	IB8, IP4, T1, TP33, W31	151	213	241	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	D	13, 148										
														II	4.3, 4.1	IB4, T3, TP33, W31, W40	151	212	242	15 kg	E	13, 148	
																							III	4.3, 4.1	IB6, T1, TP33, W31	151	213	241	100 kg	E	13, 148
G	Water-reactive solid, n.o.s	4.3	UN2813	I	4.3	IB4, N40, T9, TP7, TP33, W32	None	211	242	Forbidden	15 kg	E	13, 40, 148										
														II	4.3	B132, IB7, IP2, IP21, T3, TP33, W31, W40	151	212	242	15 kg	E	13, 40, 148	
																							III	4.3	B132, IB8, IP21, T1, TP33, W31	151	213	241	100 kg	E	13, 40, 148
G	Water-reactive, solid, oxidizing, n.o.s	4.3	UN3133	II	4.3, 5.1	.....	None	214	214	Forbidden	Forbidden	E	13, 40, 148									
														III	4.3, 5.1	None	214	214	Forbidden	Forbidden	E	13, 40, 148
G	Water-reactive solid, self-heating, n.o.s	4.3	UN3135	II	4.3, 4.2	.....	None	212	242	15 kg	E	13, 148										

G	Water-reactive solid, toxic, n.o.s.	4.3	UN3134	III	4.3, 4.2	IB8, IP4, T1, TP33, W31	None	213	241	25 kg	100 kg	E	13, 148												
				I	4.3, 6.1	A8, IB4, IP1, N40, W31	None	211	242	Forbiddén	15 kg	15 kg	D	13, 148											
				II	4.3, 6.1	IB5, IP2, T3, TP33, W31, W40	151	212	242	15 kg	50 kg	50 kg	E	13, 85, 148											
				III	4.3, 6.1	IB8, IP4, T1, TP33, W31	151	213	241	25 kg	100 kg	100 kg	E	13, 85, 148											
				II	3	149, IB2, T4, TP1, TP8	150	202	242	5 L	60 L	60 L	B												
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	220 L	A	40											
				III	4.2	IB6, IP2, T3, TP33, W31	None	212	240	Forbiddén	Forbiddén	Forbiddén	A												
				III	4.2	IB8, IP3, T1, TP33, W31	None	213	241	15 kg	50 kg	50 kg	D	40											
				II	2.2		306, 307	302	None	75 kg	150 kg	150 kg	A	40											
				II	2.2	T75, TP5	320	None	None	50 kg	500 kg	500 kg	D												
				II	3	IB2, T4, TP1	150	202	242	5 L	60 L	60 L	B												
				III	3	B1, IB3, T2, TP1	150	203	242	60 L	220 L	220 L	A												
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	100 kg	A												
				II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	60 L	A												
				II	6.1	IB2, T7, TP2	153	202	243	5 L	60 L	60 L	A												
II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	100 kg	A	40															
II	6.1	A3, A6, A7, IB2, N33, T7, TP2, TP13, W31	None	340	None	Forbiddén	60 L	60 L	D																
II	6.1	A3, A6, A7, IB8, IP2, IP4, N33, T3, TP33	None	340	None	25 kg	100 kg	100 kg	B	40															
A I W	Xylenes, solid	6.1	UN2417	II	5.1	IB8, IP4, T3, TP33	None	212	242	5 kg	25 kg	E													
				II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A													
				III	4.3	A1, A19, IB8, IP4, T1, TP33, W100	151	213	241	25 kg	100 kg	A	13, 148												
				III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58												
				II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58												
				III	8	IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A													
				III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A													
				I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	52												
				III	None	IB8, IP3, T1, TP33	155	204	240	100 kg	200 kg	A	13, 26, 123												
				III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52												
				Zinc	Zinc bisulfite solution, see Bisulfites, aqueous solutions, n.o.s.	5.1	UN2469	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58								
								II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58								
								III	8	IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A									
								III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A									
								I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	52								
III	None	IB8, IP3, T1, TP33	155					204	240	100 kg	200 kg	A	13, 26, 123												
III	6.1	IB8, IP3, T1, TP33	153					213	240	100 kg	200 kg	A	52												
Zinc	Zinc chloride, anhydrous	8	UN2331					III	8	IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A									
								III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A									
								I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	52								
								III	None	IB8, IP3, T1, TP33	155	204	240	100 kg	200 kg	A	13, 26, 123								
								III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52								
								Zinc	Zinc chloride, solution	8	UN1840	III	8	IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A					
												III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A					
												I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	52				
				III	None	IB8, IP3, T1, TP33	155					204	240	100 kg	200 kg	A	13, 26, 123								
				III	6.1	IB8, IP3, T1, TP33	153					213	240	100 kg	200 kg	A	52								
				Zinc	Zinc dithionite or Zinc hydrosulfite	9	UN1931					III	None	IB8, IP3, T1, TP33	None	211	242	5 kg	50 kg	A	52				
												III	None	IB8, IP3, T1, TP33	155	204	240	100 kg	200 kg	A	13, 26, 123				
												III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52				
												Zinc	Zinc difluorosilicate	6.1	UN2855	III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
																III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
III	6.1	IB8, IP3, T1, TP33	153													213	240	100 kg	200 kg	A	52				
III	6.1	IB8, IP3, T1, TP33	153													213	240	100 kg	200 kg	A	52				
III	6.1	IB8, IP3, T1, TP33	153													213	240	100 kg	200 kg	A	52				
Zinc	Zinc ammonium nitrite	5.1	UN1512													II	5.1	IB8, IP4, T3, TP33	None	212	242	5 kg	25 kg	E	
																II	6.1	IB8, IP2, IP4, T3, TP33	153	212	242	25 kg	100 kg	A	
								Zinc	Zinc arsenate or Zinc arsenite or Zinc arsenate and zinc arsenite mixtures	4.3	UN1435					III	4.3	A1, A19, IB8, IP4, T1, TP33, W100	151	213	241	25 kg	100 kg	A	13, 148
																III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
																II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
																III	8	IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	
																III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A	
				Zinc	Zinc arsenite or Zinc hydrosulfite	6.1	UN1713									I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	52
																III	None	IB8, IP3, T1, TP33	155	204	240	100 kg	200 kg	A	13, 26, 123
																III	6.1	IB8, IP3, T1, TP33	153	213	240	100 kg	200 kg	A	52
												Zinc	Zinc arsenite or Zinc arsenite mixtures	4.3	UN1435	III	4.3	A1, A19, IB8, IP4, T1, TP33, W100	151	213	241	25 kg	100 kg	A	13, 148
																III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	56, 58
																II	5.1	A9, IB8, IP2, IP4, N34, T3, TP33	152	212	242	5 kg	25 kg	A	56, 58
																III	8	IB8, IP3, T1, TP33	None	213	240	25 kg	100 kg	A	
																III	8	IB3, T4, TP2	154	203	241	5 L	60 L	A	
Zinc	Zinc arsenite or Zinc hydrosulfite	6.1	UN1713													I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	52
																III	None	IB8, IP3, T1, TP33	155	204	240	100 kg	200 kg	A	13, 26, 123
								III	6.1	IB8, IP3, T1, TP33	153					213	240	100 kg	200 kg	A	52				
								Zinc	Zinc arsenite or Zinc hydrosulfite	6.1	UN1713					I	6.1	IB7, IP1, T6, TP33	None	211	242	5 kg	50 kg	A	52
																III	None	IB8, IP3, T1, TP33	155	204	240	100 kg	200 kg	A	13, 26, 123
																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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
	Zinc hydrosulfite, see Zinc dithionite Zinc <i>muriate</i> solution, see Zinc chloride solution												
	Zinc nitrate	5.1	UN1514	II	5.1	IB8, IP2, IP4, T3, TP33	152	212	240	5 kg	25 kg	A	56, 58, 138
	Zinc permanganate	5.1	UN1515	II	5.1	IB6, IP2, T3, TP33	152	212	242	5 kg	25 kg	D	13, 52, 66, 75, 148
	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, W32	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 resinat												
	Zinc selenate, see Selenates or Selenites												
	Zinc selenite, see Selenates or Selenites												
	Zinc silicofluoride, see Zinc fluorosilicate												
	Zirconium, dry, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	4.1	UN2858	III	4.1	A1, 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	None	212	240	15 kg	50 kg	E	
	Zirconium nitrate	5.1	UN2728	III	5.1	A1, A29, IB8, IP3, T1, TP33	152	213	240	25 kg	100 kg	A	
	Zirconium picramate, dry or wetted with less than 20 percent water, by mass	1.3C	UN0236	.....	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 II III	4.2 4.2 4.2	T21, TP7, TP33, W31 A19, A20, IB6, IP2, N5, N34, T3, TP33, W31 B135, IB8, IP4, T1, TP33, W31	None None None	211 212 213	242 241 241	Forbidden 15 kg 25 kg	Forbidden 50 kg 100 kg	D D D	13, 148 13, 148 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	II	4.1	A19, A20, IB6, IP2, N34, T3, TP33, W31, W40	None	212	241	15 kg	50 kg	E	13, 74, 147, 148
Zirconium scrap	4.2	UN1932	III	4.2	B135, IB8, IP21, N34, T1, TP33, W31	None	213	240	Forbidden	Forbidden	D	13, 148
Zirconium suspended in a liquid	3	UN1308	I II III	3 3 3	IB2 B1, IB2	None None 150	201 202 203	243 242 242	Forbidden 5 L 60 L	Forbidden 60 L 220 L	B B B	
Zirconium tetrachloride	8	UN2503	III	8	IB8, IP3, T1, TP33	154	213	240	25 kg	100 kg	A	

§ 172.101

49 CFR Ch. I (10–1–17 Edition)

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

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

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

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

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

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

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

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

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

TABLE 1 TO APPENDIX A—HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES

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

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

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

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Antimony ϵ	5000 (2270)
Antimony pentachloride	1000 (454)
Antimony potassium tartrate	100 (45.4)
Antimony tribromide	1000 (454)
Antimony trichloride	1000 (454)
Antimony trifluoride	1000 (454)
Antimony trioxide	1000 (454)
Argentate(1-), bis(cyano-C)-, potassium	1 (0.454)
Aroclor 1016	1 (0.454)
Aroclor 1221	1 (0.454)
Aroclor 1232	1 (0.454)
Aroclor 1242	1 (0.454)
Aroclor 1248	1 (0.454)
Aroclor 1254	1 (0.454)
Aroclor 1260	1 (0.454)
Aroclors	1 (0.454)
Arsenic ϵ	1 (0.454)
Arsenic acid H 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 $\epsilon\epsilon$	1 (0.454)
Auramine	100 (45.4)
Azaserine	1 (0.454)
Aziridine	1 (0.454)
Aziridine, 2-methyl-	1 (0.454)
Azirino[2,3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha,8beta,8alpha, 8balpha)]-	10 (4.54)
Barban	10 (4.54)
Barium cyanide	10 (4.54)
Bendiocarb	100 (45.4)
Bendiocarb phenol	1000 (454)
Benomyl	10 (4.54)
Benz[<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 <i>el</i>	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)
Ethylenedisithiocarbamic acid, salts & esters	5000 (2270)
Ethylenediamine	5000 (2270)
Ethylenediamine-tetraacetic acid (EDTA)	5000 (2270)
Ethylene dibromide	1 (0.454)
Ethylene dichloride	100 (45.4)
Ethylene glycol	5000 (2270)
Ethylene glycol monoethyl ether	1000 (454)
Ethylene oxide	10 (4.54)
Ethylenethiourea	10 (4.54)
Ethylenimine	1 (0.454)
Ethyl ether	100 (45.4)
Ethylidene dichloride	1000 (454)
Ethyl methacrylate	1000 (454)
Ethyl methanesulfonate	1 (0.454)
Ethyl methyl ketone®	5000 (2270)

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

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

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

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

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

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

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Nitric oxide	10 (4.54)
p-Nitroaniline	5000 (2270)
Nitrobenzene	1000 (454)
4-Nitrobiphenyl	10 (4.54)
Nitrogen dioxide	10 (4.54)
Nitrogen oxide NO	10 (4.54)
Nitrogen oxide NO ₂	10 (4.54)
Nitroglycerine	10 (4.54)
Nitrophenol (mixed)	100 (45.4)
m-Nitrophenol.	
o-Nitrophenol	100 (45.4)
p-Nitrophenol	100 (45.4)
2-Nitrophenol	100 (45.4)
4-Nitrophenol	100 (45.4)
2-Nitropropane	10 (4.54)
N-Nitrosodi-n-butylamine	10 (4.54)
N-Nitrosodiethanolamine	1 (0.454)
N-Nitrosodiethylamine	1 (0.454)
N-Nitrosodimethylamine	10 (4.54)
N-Nitrosodiphenylamine	100 (45.4)
N-Nitroso-N-ethylurea	1 (0.454)
N-Nitroso-N-methylurea	1 (0.454)
N-Nitroso-N-methylurethane	1 (0.454)
N-Nitrosomethylvinylamine	10 (4.54)
N-Nitrosomorpholine	1 (0.454)
N-Nitrosopiperidine	10 (4.54)
N-Nitrosopyrrolidine	1 (0.454)
Nitrotoluene	1000 (454)
m-Nitrotoluene.	
o-Nitrotoluene.	
p-Nitrotoluene.	
5-Nitro-o-toluidine	100 (45.4)
Octamethylpyrophosphoramide	100 (45.4)
Osmium oxide OsO ₄ , (T-4)	1000 (454)
Osmium tetroxide	1000 (454)
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	1000 (454)
Oxamyl	100 (45.4)
1,2-Oxathiolane, 2,2-dioxide	10 (4.54)
2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl) tetrahydro-, 2-oxide	10 (4.54)
Oxirane	10 (4.54)
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-[2-(ethylthio)methyl] ester	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-methyl ester	5000 (2270)
Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester	10 (4.54)
Phosphorofluoric acid, bis(1-methylethyl) ester	100 (45.4)
Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester	10 (4.54)
Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	100 (45.4)
Phosphorothioic acid, O-[4-[(dimethylamino) sulfonyl]phenyl] O,O-dimethyl ester	1000 (454)
Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester	100 (45.4)
Phosphorus	1 (0.454)
Phosphorus oxychloride	1000 (454)
Phosphorus pentasulfide	100 (45.4)
Phosphorus sulfide	100 (45.4)
Phosphorus trichloride	1000 (454)
Phthalic anhydride	5000 (2270)
Physostigmine	100 (45.4)
Physostigmine salicylate	100 (45.4)
2-Picoline	5000 (2270)
Piperidine, 1-nitroso-	10 (4.54)
Plumbane, tetraethyl-	10 (4.54)
POLYCHLORINATED BIPHENYLS	1 (0.454)
Potassium arsenate	1 (0.454)
Potassium arsenite	1 (0.454)
Potassium bichromate	10 (4.54)
Potassium chromate	10 (4.54)
Potassium cyanide K(CN)	10 (4.54)
Potassium hydroxide	1000 (454)
Potassium permanganate	100 (45.4)
Potassium silver cyanide	1 (0.454)
Promecarb	1000 (454)
Pronamide	5000 (2270)
Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime	100 (45.4)
Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl] oxime	1 (0.454)
1-Propanamine	5000 (2270)
1-Propanamine, N-propyl-	5000 (2270)
1-Propanamine, N-nitroso-N-propyl-	10 (4.54)
Propane, 1,2-dibromo-3-chloro-	1 (0.454)
Propane, 1,2-dichloro-	1000 (454)
Propanedinitrile	1000 (454)
Propanenitrile	10 (4.54)
Propanenitrile, 3-chloro-	1000 (454)
Propanenitrile, 2-hydroxy-2-methyl-	10 (4.54)
Propane, 2-nitro-	10 (4.54)
Propane, 2,2'-oxybis[2-chloro-	1000 (454)
1,3-Propane sultone	10 (4.54)
1,2,3-Propanetriol, trinitrate	10 (4.54)
Propanoic acid, 2-(2,4,5-trichlorophenoxy)-	100 (45.4)
1-Propanol, 2,3-dibromo-, phosphate (3:1)	10 (4.54)
1-Propanol, 2-methyl-	5000 (2270)

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

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

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

Hazardous substance	Reportable quantity (RQ) pounds (kilograms)
Sodium hypochlorite	100 (45.4)
Sodium methylate	1000 (454)
Sodium nitrite	100 (45.4)
Sodium phosphate, dibasic	5000 (2270)
Sodium phosphate, tribasic	5000 (2270)
Sodium selenite	100 (45.4)
Streptozotocin	1 (0.454)
Strontium chromate	10 (4.54)
Strychnidin-10-one, & salts	10 (4.54)
Strychnidin-10-one, 2,3-dimethoxy-	100 (45.4)
Strychnine, & salts	10 (4.54)
Styrene	1000 (454)
Styrene oxide	100 (45.4)
Sulfur chlorides®	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)
Uracil mustard	10 (4.54)
Uranyl acetate	100 (45.4)
Uranyl nitrate	100 (45.4)
Urea, N-ethyl-N-nitroso-	1 (0.454)
Urea, N-methyl-N-nitroso-	1 (0.454)
Urethane	100 (45.4)
Vanadic acid, ammonium salt	1000 (454)
Vanadium oxide V ₂ O ₅	1000 (454)
Vanadium pentoxide	1000 (454)
Vanadyl sulfate	1000 (454)
Vinyl acetate	5000 (2270)
Vinyl acetate monomer	5000 (2270)
Vinylamine, N-methyl-N-nitroso-	10 (4.54)
Vinyl bromide	100 (45.4)
Vinyl chloride	1 (0.454)
Vinylidene chloride	100 (45.4)
Warfarin, & salts	100 (45.4)
Xylene	100 (45.4)
m-Xylene	1000 (454)
o-Xylene	1000 (454)
p-Xylene	100 (45.4)
Xylene (mixed)	100 (45.4)
Xylenes (isomers and mixture)	100 (45.4)
Xylenol	1000 (454)
Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl) oxy]-, methyl ester (3beta,16beta,17alpha,18beta, 20alpha)	5000 (2270)
Zinc ϵ	1000 (454)
Zinc acetate	1000 (454)
Zinc ammonium chloride	1000 (454)
Zinc, bis(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)

§ 172.101

49 CFR Ch. I (10–1–17 Edition)

TABLE 2 TO APPENDIX A—RADIONUCLIDES—
Continued

(1)—Radionuclide	(2)— Atomic Num- ber	(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 Num- ber	(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)

§ 172.101

49 CFR Ch. I (10-1-17 Edition)

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
	2,4-Di-tert-butylphenol		Cocculus
PP	2, 6-Di-tert-Butylphenol	PP	Coconitrile
	para-tertiary-butyltoluene		Copper acetoarsenite
PP	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>		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

§ 172.101

49 CFR Ch. I (10–1–17 Edition)

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
	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
	loxynil	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		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

§ 172.101

49 CFR Ch. I (10–1–17 Edition)

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.
	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.fdsys.gov.

§ 172.102 Special provisions.

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

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

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

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

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

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

(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