

- 172.431 KEEP AWAY FROM FOOD label.
- 172.432 INFECTIOUS SUBSTANCE label.
- 172.436 RADIOACTIVE WHITE-I label.
- 172.438 RADIOACTIVE YELLOW-II label.
- 172.440 RADIOACTIVE YELLOW-III label.
- 172.442 CORROSIVE label.
- 172.444 [Reserved]
- 172.446 CLASS 9 label.
- 172.448 CARGO AIRCRAFT ONLY label.
- 172.450 EMPTY label.

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- 172.500 Applicability of placarding requirements.
- 172.502 Prohibited and permissive placarding.
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- 172.527 Background requirements for certain placards.
- 172.528 NON-FLAMMABLE GAS placard.
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- 172.532 FLAMMABLE GAS placard.
- 172.536 [Reserved]
- 172.540 POISON GAS placard.
- 172.542 FLAMMABLE placard.
- 172.544 COMBUSTIBLE placard.
- 172.546 FLAMMABLE SOLID placard.
- 172.547 SPONTANEOUSLY COMBUSTIBLE placard.
- 172.548 DANGEROUS WHEN WET placard.
- 172.550 OXIDIZER placard.
- 172.552 ORGANIC PEROXIDE placard.
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- 172.556 RADIOACTIVE placard.
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- 172.600 Applicability and general requirements.
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Appendix A — Office of Hazardous Materials Transportation Color Charts and Tables**Appendix B — Trefoil Symbol****Appendix C — Dimensional Specifications for Recommended Placard Holder****§172.1 Purpose and scope.**

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

§172.3 Applicability.

- (a) This part applies to
 - (1) Each person who offers a hazardous material for transportation, and
 - (2) Each carrier by air, highway, rail, or water who transports a hazardous material.
- (b) When a person, other than one of those provided for in paragraph (a) of this section, performs a packaging labeling or marking function required by this part, that person shall perform the function in accordance with this part.

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 five symbols (“+”, “A”, “D”, “I”, and “W”), as follows:

(1) The plus (+) 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 or packing group or meets any other hazard class definition. An appropriate alternate proper shipping name and hazard class may be authorized by the Associate Administrator for Hazardous Materials Safety.

(2) The letter “A” restricts the application of requirements of this subchapter to materials offered or intended for transportation by aircraft, unless the material is a hazardous substance or a hazardous waste.

(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 “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.

(5) The letter “W” restricts the application of requirements of this subchapter to materials offered or intended for transportation by vessel, unless the material is a hazardous substance or a hazardous waste.

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

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

(2) Punctuation marks and words in italics are not part of the proper shipping name, but may be used in addition to the proper shipping name. The word “or” in italics indicates that terms in the sequence may be used as the proper shipping name, as appropriate.

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

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

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

(6) When a proper shipping name includes a concentration range as part of the shipping description, the actual concentration, if it is within the range stated, may be used in place of the concentration range. For example, an aqueous solution of hydrogen peroxide containing 30 percent peroxide may be described as “Hydrogen peroxide, aqueous solution *with not less than 20 percent but not more than 40 percent hydrogen peroxide*” or “Hydrogen peroxide, aqueous solution *with 30 percent hydrogen peroxide*”.

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

(8) *Hazardous substances.* Appendix A to this section lists materials which are listed or designated as hazardous substances under section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Proper shipping names for hazardous substances (see Appendix A to this section and §171.8 of this subchapter) shall be determined as follows:

(i) If the hazardous substance appears in the Table by technical name, then the technical name is the proper shipping name.

(ii) If the hazardous substance does not appear in the Table and is not a forbidden material, then an appropriate generic, or “n.o.s.”, shipping name shall be selected corresponding to the hazard class (and packing group, if any) of the material as determined by the defining criteria of this subchapter (see §§173.2 and 173.2a of this subchapter). For example, a hazardous substance which is listed in Appendix A but not in the Table and which meets the definition of a flammable liquid might be described as “Flammable liquid, n.o.s.” or other appropriate shipping name corresponding to the flammable liquid hazard class.

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

word “Waste” preceding the proper shipping name of the material. For example: Waste acetone.

(10) *Mixtures and solutions.*

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

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

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

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

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

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

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

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

(iii) A mixture or solution not identified in the Table specifically by name, comprised of two or more hazardous materials in the same hazard class, shall be described using an appropriate shipping description (e.g., “Flammable liquid, n.o.s.”). The name that most appropriately describes the material shall be used; e.g., an alcohol not listed by its technical name in the Table shall be described as “Alcohol, n.o.s.” rather than “Flammable liquid, n.o.s.”. Some mixtures

may be more appropriately described according to their application, such as “Coating solution” or “Extracts, flavoring liquid” rather than by an n.o.s. entry. Under the provisions of subparts C and D of this part, the technical names of at least two components most predominately contributing to the hazards of the mixture or solution may be required in association with the proper shipping name.

(11) Except for a material subject to or prohibited by §§173.21, 173.51, 173.56(d), 173.56(e)(1), 173.124(a)(2)(iii) or 173.128(c) of this subchapter, a material for which the hazard class is uncertain and must be determined by testing or a material that is a hazardous waste may be assigned a tentative shipping name, hazard class, identification number, and packing group, 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; and
- (iii) The shipper’s knowledge of the material.

(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 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) Hydrates of inorganic substances may be identified using the proper shipping name for the equivalent anhydrous substance if the hydrate meets the same hazard class or division, subsidiary risk(s) and packing group, unless the hydrate is specifically identified in the Table.

(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 for Hazardous Materials Safety.

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

(4) Each reference to a Class 3 material is modified to read “Combustible liquid” when that material is reclassified in accordance with §173.150(e) or (f) of this subchapter or has a flash point above 60.5°C (141°F) but below 93°C (200°F).

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

(f) *Column 5: Packing group.* Column 5 specifies one or more packing groups assigned to a material corresponding to the proper shipping name and hazard class for that material. Class 2, Class 7, Division 6.2 (other than regulated medical wastes), and ORM-D materials do not have packing groups. Packing Groups I, II and III indicate the degree of danger presented by the material is either great, medium or minor, respectively. If more than one packing group is indicated for an entry, the packing group for the hazardous material is determined using the criteria for assignment of packing groups specified in Subpart D of part 173. When a reevaluation of test data or new data indicates a need to modify the specified packing group(s), the data should be submitted to the Associate Administrator for Hazardous Materials Safety. 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. The codes contained in Column 6 are defined according to the following table:

Label Substitution Table

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

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 packaging prescribed in §173.24 of this subchapter and any other applicable requirements in subparts A and B of part 173 of this subchapter.

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

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

(3) *Bulk packaging.* Column 8C specifies the section in part 173 of this subchapter which prescribes packaging requirements for bulk packagings, subject to the limitations, requirements and additional authorizations of Column 7. A “None” in this column means bulk packagings are not authorized, except as may be provided by special provisions in Column 7. Additional authorizations and limitations for use of IM portable tanks are set forth in Column 7. For each reference in this column to a material which is a hazardous waste or a hazardous substance, and whose proper shipping name is preceded in Column 1 of the Table by the letter “A” or “W” and which is offered for transportation or transported by a mode in which its transportation is not otherwise subject to the requirements of this subchapter.

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

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

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

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

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

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

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

(3) When article 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-carry 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.

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

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

(2) Stowage category “B” means —

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

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

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

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

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

(l) *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 for Hazardous Materials Safety.

(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.

Sym- bols	Hazardous Materials Descriptions and Proper Shipping Names	Hazard Class Or Division	Identifica- tion Numbers	Pack- ing Group	Label(s) Required (if not excepted)	Special Provisions	(8) Packaging Authorizations (\$173.***)			(9) Quantity Limitations		(10) Vessel Stowage Requirements	
							Excep- tions	Non- Bulk Pack- aging (8B)	Bulk Pack- aging (8C)	Passenger Aircraft or Railcar	Cargo Aircraft Only	Vessel Stow- age	Other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8A)	(8B)	(8C)	(9A)	(9B)	(10A)	(10B)
D	<i>Accellerene, see p-Nitrosodi- methylaniline</i>	.....	.....							.....	.....	.....
	<i>Accumulators, electric, see Batteries, wet, etc.</i>	.....	.....							.....	.....	.....
	Accumulators, pressurized, pneumatic or hydraulic (containing non-flammable gas)	2.2	NA1956		2.2	.....	306	306	None	No limit	No limit	A	
A	Acetal	3	UN1088	II	3	T7	150	202	242	5 L	60 L	E	
	Acetaldehyde	3	UN1089	I	3	A3, B16, T20, T26, T29	None	201	243	Forbidden	30 L	E	
	Acetaldehyde ammonia	9	UN1841	III	9	.....	155	204	240	200 kg	200 kg	A	34
	Acetaldehyde oxime	3	UN2332	III	3	B1, T8	150	203	242	60 L	220 L	A	
	Acetic acid, glacial or Acetic acid solution, more than 80% acid, by mass	8	UN2789	II	8, 3	A3, A6, A7, A10, B2, T8	154	202	243	1 L	30 L	A	
	Acetic acid solution, more than 10% but not more than 80% acid, by mass	8	UN2790	II	8	A3, A6, A7, A10, B2, T8	154	202	242	1 L	30 L	A	
	Acetic anhydride	8	UN1715	II	8, 3	A3, A6, A7, A10, B2, T8	154	202	243	1 L	30 L	A	40
	Acetone	3	UN1090	II	3	T8	150	202	242	5 L	60 L	B	
	Acetone cyanohydrin, stabilized	6.1	UN1541	I	6.1	2, A3, B9, B14, B32, B76, B77, N34, T38, T43, T45	None	227	244	Forbidden	30 L	D	25, 40, 49
	Acetone oils	3	UN1091	II	3	T7, T30	150	202	242	5 L	60 L	B	
	Acetonitrile	3	UN1648	II	3	T14	150	202	242	1 L	60 L	B	40
	Acetyl acetone peroxide with more than 9% by mass active oxygen	Forbidden	.....							.....	.....	.....
	Acetyl benzoyl peroxide, solid, or more than 40% in solution	Forbidden	.....							.....	.....	.....
	Acetyl bromide	8	UN1716	II	8	B2, T12, T26	154	202	242	1 L	30 L	C	40
	Acetyl chloride	3	UN1717	II	3, 8	A3, A6, A7, B100, N34, T18, T26	None	202	243	1 L	5 L	B	40
	Acetyl cyclohexanesulfonyl peroxide, more than 82% wetted with less than 12% water	Forbidden	.....							.....	.....	.....
	Acetyl iodide	8	UN1898	II	8	B2, B101, T9	154	202	242	1 L	30 L	C	40
	Acetyl methyl carbinol	3	UN2621	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Acetyl peroxide, solid, or more than 25% in solution	Forbidden	.....							.....	.....	.....
	Acetylene, dissolved	2.1	UN1001		2.1		None	303	None	Forbidden	15 kg	D	25, 40, 57
	Acetylene (liquefied)	Forbidden	.....							.....	.....	.....
	Acetylene silver nitrate	Forbidden	.....							.....	.....	.....
	Acetylene tetrabromide, see Tetrabromoethane	.....	.....							.....	.....	.....
	Acid butyl phosphate, see Butyl acid phosphate	.....	.....							.....	.....	.....
	Acid, sludge, see Sludge acid	.....	.....							.....	.....	.....
	Acridine	6.1	UN2713	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Acrolein dimer, stabilized	3	UN2607	III	3	B1, T1	150	203	242	60 L	220 L	A	40
	Acrolein, inhibited	6.1	UN1092	I	6.1, 3	1, B9, B14, B30, B42, B72, B77, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	40
	Acrylamide	6.1	UN2074	III	6.1	T8	153	213	240	100 kg	200 kg	A	12
	Acrylic acid, inhibited	8	UN2218	II	8, 3	B2, T8	154	202	243	1 L	30 L	C	25, 40
	Acrylonitrile, inhibited	3	UN1093	I	3, 6.1	B9, T18, T26	None	201	243	Forbidden	30 L	E	40
	Actuating cartridge, explosive, see Cartridges, power device	.....	.....							.....	.....	.....
	Adhesives, containing a flam- mable liquid	3	UN1133	I	3	B42, T7, T30	150	201	243	1 L	30 L	B	
	.....	.....	.....	II	3	B52, T7, T30	150	173	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, B52, T7, T30	150	173	242	60 L	220 L	A	
	Adiponitrile	6.1	UN2205	III	6.1	T1	153	203	241	60 L	220 L	A	
	Aerosols, corrosive, Packing Group II or III, (each not exceeding 1 L capacity)	2.2	UN1950		2.2, 8	A34	306	None	None	75 kg	150 kg	A	40, 48, 85

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D D	Aerosols, <i>flammable, (each not exceeding 1 L capacity)</i>	2.1	UN1950		2.1	N82	306	None	None	75 kg	150 kg	A	40, 48, 85
	Aerosols, flammable, n.o.s. (<i>engine starting fluid</i>) (each not exceeding 1 L capacity)	2.1	UN1950		2.1	N82	306	None	None	Forbidden	Forbidden	A	40, 48, 85
	Aerosols, non-flammable, (each not exceeding 1 L capacity)	2.2	UN1950		2.2	306, 307	None	None	75 kg	150 kg	A	48, 85
	Aerosols, <i>poison, each not exceeding 1 L capacity</i>	2.2	UN1950		2.2	306	None	None	Forbidden	Forbidden	A	40, 48, 85
	Air bag inflators or Air bag modules or Seat-belt pretensioners	9	UN 3268	III	9	166	166	166	25 kg	100 kg	A	
	Air, compressed	2.2	UN1002		2.2	306	302	302	75 kg	150 kg	A	
	Air, refrigerated liquid (<i>cryogenic liquid</i>)	2.2	UN1003		2.2, 5.1	320	316	318, 319	Forbidden	150 kg	D	51
	Air, refrigerated liquid, (<i>cryogenic liquid</i>) non-pressurized	2.2	UN1003		2.2, 5.1	320	316	318, 319	Forbidden	Forbidden	D	51
	Aircraft evacuation slides, see Life saving appliances etc.	
	Aircraft hydraulic power unit fuel tank (<i>containing a mixture of anhydrous hydrazine and monomethyl hydrazine</i>)(M86 fuel)	3	UN3165	I	3, 6.1, 8	None	172	None	Forbidden	30 L	E	
	Aircraft survival kits, see Life saving appliances etc.	
	Alcoholates solution, n.o.s., in alcohol	3	UN3274	II	3, 8	None	202	243	1 L	5 L	B	
	Alcoholic beverages	3	UN3065	II III	3 3	24, B1, T1 24, B1, N11, T1	150 150	202 203	242 242	5 L 60 L	60 L 220 L	A A	
	Alcohols, n.o.s.	3	UN1987	I II III	3 3 3	T8, T31 T8, T31 B1, T7, T30	None 150 150	201 202 203	243 242 242	1 L 5 L 60 L	30 L 60 L 220 L	E B A	
	Alcohols, flammable, toxic, n.o.s.	3	UN1986	I	3, 6.1	T8, T31	None	201	243	Forbidden	30 L	E	40
			II III	3, 6.1 3, 6.1	T8, T31 B1, T8, T31	None None	202 203	243 242	1 L 60 L	60 L 220 L	B A	40
	Aldehydes, n.o.s.	3	UN1989	I II III	3 3 3	T8, T31 T8, T31 B1, T7, T30	None 150 150	201 202 203	243 242 242	1 L 5 L 60 L	30 L 60 L 220 L	E B A	
	Aldehydes, flammable, toxic, n.o.s.	3	UN1988	I	3, 6.1	T8, T31	None	201	243	Forbidden	30 L	E	40
			II III	3, 6.1 3, 6.1	T8, T31 B1, T8, T31	None 150	202 203	243 242	1 L 60 L	60 L 220 L	B A	40
	Aldol	6.1	UN2839	II	6.1	T8	None	202	243	5 L	60 L	A	12
	Aldrin, liquid	6.1	NA2762	II	6.1	None	202	243	5 L	60 L	B	
	Aldrin, solid	6.1	NA2761	II	6.1	None	212	242	25 kg	100 kg	A	40
	Alkali metal alcoholates, self-heating, corrosive, n.o.s.	4.2	UN3206	II	4.2, 8	64	None	212	242	15 kg	50 kg	B	
			III	4.2, 8	64	None	213	242	25 kg	100 kg	B	
	Alkali metal alloys, liquid, n.o.s.	4.3	UN1421	I	4.3	A2, A3, B48, N34	None	201	244	Forbidden	1 L	D	
	Alkali metal amalgams	4.3	UN1389	I	4.3	A2, A3, N34	None	201	244	Forbidden	1 L	D	
	Alkali metal amides	4.3	UN1390	II	4.3	A6, A7, A8, A19, A20, B106	151	212	241	15 kg	50 kg	E	40
	Alkali metal dispersions, or Alkaline earth metal dispersions	4.3	UN1391	I	4.3	A2, A3	None	201	244	Forbidden	1 L	D	
	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	None	212	241	15 kg	50 kg	B	
			III	4.2	65	None	213	241	15 kg	100 kg	B	
	Alkaline earth metal alloys, n.o.s.	4.3	UN1393	II	4.3	A19, B101, B106	151	212	241	15 kg	50 kg	E	
	Alkaline earth metal amalgams	4.3	UN1392	I	4.3	A19, B101, B106, N34, N40	None	211	242	Forbidden	15 kg	D	
	Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	6.1	UN3140	I	6.1	A4, T42	None	201	243	1 L	30 L	A	
			II	6.1	T14	None	202	243	5 L	60 L	A	
			III	6.1	T7	153	203	241	60 L	220 L	A	

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+	Alkaloids, solid, n.o.s. <i>or</i> alka- loid salts, solid, n.o.s. <i>poisonous</i>	6.1	UN1544	I	6.1	None	211	242	5 kg	50 kg	A	
	.....			II	6.1	.....	None	212	242	25 kg	100 kg	A	
	.....			III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Alkyl sulfonic acids, liquid <i>or</i> Aryl sulfonic acids, liquid, <i>with more than 5% free sulfu- ric acid</i>	8	UN2584	II	8	B2, T8, T27	154	202	242	1 L	30 L	B	
	Alkyl sulfonic acids, liquid <i>or</i> Aryl sulfonic acids, liquid <i>with not more than 5% free sulfuric acid</i>	8	UN2586	III	8	T8	154	203	241	5 L	60 L	B	
	Alkyl sulfonic acids, solid <i>or</i> Aryl sulfonic acids, solid, <i>with more than 5% free sulfuric acid</i>	8	UN2583	II	8	.....	154	212	240	15 kg	50 kg	A	
	Alkyl sulfonic acids, solid <i>or</i> Aryl sulfonic acids, solid <i>with not more than 5% free sulfu- ric acid</i>	8	UN2585	III	8	.....	154	213	240	25 kg	100 kg	A	
	Alkylphenols, liquid, n.o.s. <i>(including C2-C12 homo- logues)</i>	8	UN3145	I	8	T8	None	201	243	0.5 L	2.5 L	B	
	.....			II	8	T8	154	202	242	1 L	30 L	B	
	.....			III	8	T7	154	203	241	5 L	60 L	A	
	Alkylphenols, solid, n.o.s. <i>(including C2-C12 homo- logues)</i>	8	UN2430	I	8	T8	None	211	242	1 kg	25 kg	B	
	.....			II	8	T8	154	212	240	15 kg	50 kg	B	
	.....			III	8	T8	154	213	240	25 kg	100 kg	A	
	Alkylsulfuric acids	8	UN2571	II	8	B2, T9, T27	154	202	242	1 L	30 L	C	14
	<i>Allethrin, see</i> Pesticides, liquid, toxic, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Allyl acetate	3	UN2333	II	3, 6.1	T8	None	202	243	1 L	60 L	E	40
	Allyl alcohol	6.1	UN1098	I	6.1, 3	2, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Allyl bromide	3	UN1099	I	3, 6.1	T18	None	201	243	Forbidden	30 L	B	40
	Allyl chloride	3	UN1100	I	3, 6.1	T18, T26	None	201	243	Forbidden	30 L	E	40
	<i>Allyl chlorocarbonate, see</i> Allyl chloroformate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Allyl chloroformate	6.1	UN1722	I	6.1, 3, 8,	2, A3, B9, B14, B32, B74, N41, T38, T43, T45, T8	None	227	244	Forbidden	Forbidden	D	40
	Allyl ethyl ether	3	UN2335	II	3, 6.1	T8	None	202	243	1 L	60 L	E	40
	Allyl formate	3	UN2336	I	3, 6.1	T18, T26	None	201	243	Forbidden	30 L	E	40
	Allyl glycidyl ether	3	UN2219	III	3	B1, T7	150	203	242	60 L	220 L	A	40
	Allyl iodide	3	UN1723	II	3, 8	A3, A6, B100, N34, T18	None	202	243	1 L	5 L	B	40
	Allyl isothiocyanate, stabilized	6.1	UN1545	II	6.1, 3	A3, A7	None	202	243	Forbidden	60 L	D	40
	Allylamine	6.1	UN2334	I	6.1, 3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Allyltrichlorosilane, stabilized	8	UN1724	II	8, 3	A7, B2, B6, N34, T8, T26	None	202	243	Forbidden	30 L	C	40
D	Aluminum, molten	9	NA9260	III	9	.....	None	None	247	Forbidden	Forbidden	D	
	Aluminum alkyl halides	4.2	UN3052	I	4.2	B9, B11, T28, T29, T40	None	181	244	Forbidden	Forbidden	D	
	Aluminum alkyl hydrides	4.2	UN3076	I	4.2	B9, B11, T28, T29, T40	None	181	244	Forbidden	Forbidden	D	
	Aluminum alkyls	4.2	UN3051	I	4.2	B9, B11, T28, T29, T40	None	181	244	Forbidden	Forbidden	D	
	Aluminum borohydride <i>or</i> Aluminum borohydride in devices	4.2	UN2870	I	4.2, 4.3	B11	None	181	244	Forbidden	Forbidden	D	
	Aluminum bromide, anhydrous	8	UN1725	II	8	B106	154	212	240	15 kg	50 kg	A	40
	Aluminum bromide, solution	8	UN2580	III	8	T8	154	203	241	5 L	60 L	A	
	Aluminum carbide	4.3	UN1394	II	4.3	A20, B101, B106, N41	151	212	242	15 kg	50 kg	A	

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I D D I	Aluminum chloride, anhydrous	8	UN1726	II	8	B106	154	212	240	15 kg	50 kg	A	40
	Aluminum chloride, solution	8	UN2581	III	8	T8	154	203	241	5 L	60 L	A	
	Aluminum dross, wet or hot	Forbidden	.....	II	4.3, 6.1	A19, B106, B108	151	212	242	15 kg	50 kg	A	40, 85, 103
	Aluminum ferrosilicon powder	4.3	UN1395	III	4.3, 6.1	A19, A20	151	213	241	25 kg	100 kg	A	40, 85, 103
	Aluminum hydride	4.3	UN2463	I	4.3	A19, B100, N40	None	211	242	Forbidden	15 kg	E	
	Aluminum nitrate	5.1	UN1438	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Aluminum phosphate solution, see Corrosive liquids, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Aluminum phosphide	4.3	UN1397	I	4.3, 6.1	A8, A19, B100, N40	None	211	242	Forbidden	15 kg	E	40, 85
	Aluminum phosphide pesticides	6.1	UN3048	I	6.1	A8	None	211	242	Forbidden	15 kg	E	40, 85
	Aluminum powder, coated	4.1	UN1309	II	4.1	.....	151	212	240	15 kg	50 kg	A	13, 39, 101
	.....	.....	.....	III	4.1	.....	151	213	240	25 kg	100 kg	A	13, 39, 101
	Aluminum powder, uncoated	4.3	UN1396	II	4.3	A19, A20, B106, B108	151	212	242	15 kg	50 kg	A	39
	Aluminum resinate	4.1	UN2715	III	4.1	.....	151	213	240	25 kg	100 kg	A	
	Aluminum silicon powder, uncoated	4.3	UN1398	III	4.3	A1, A19, B108	151	213	241	25 kg	100 kg	A	40, 85, 103
	Aluminum smelting by-pro- ducts or Aluminum remelting by-products	4.3	UN3170	II	4.3	128, B106, B115	None	212	242	15 kg	50 kg	B	85, 103
	.....	.....	.....	III	4.3	128, B106, B115	None	213	241	25 kg	100 kg	B	85, 103
	Amatols, see Explosives, blast- ing, type B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Amines, flammable, corrosive, n.o.s. or Polyamines, flam- mable, corrosive, n.o.s.	3	UN2733	I	3, 8	T42	None	201	243	0.5 L	2.5 L	D	40
	.....	.....	.....	II	3, 8	T8, T31	None	202	243	1 L	5 L	B	40
	.....	.....	.....	III	3, 8	B1, T8, T31	150	203	242	5 L	60 L	A	40
	Amines, liquid, corrosive, flam- mable, n.o.s. or Polyamines, liquid, corrosive, flammable, n.o.s.	8	UN2734	I	8, 3	A3, A6, N34, T8, T31	None	201	243	0.5 L	2.5 L	A	
	.....	.....	.....	II	8, 3	T8, T31	None	202	243	1 L	30 L	A	
	Amines, liquid, corrosive, n.o.s. or Polyamines, liquid, corrosive, n.o.s.	8	UN2735	I	8	A3, A6, B10, N34, T42	None	201	243	0.5 L	2.5 L	A	
	.....	.....	.....	II	8	B2, T8	154	202	242	1 L	30 L	A	
	.....	.....	.....	III	8	T8	154	203	241	5 L	60 L	A	
	Amines, solid, corrosive, n.o.s., or Polyamines, solid, corrosive n.o.s.	8	UN3259	I	8	.....	None	211	242	1 kg	25 kg	A	
	.....	.....	.....	II	8	.....	154	212	240	15 kg	50 kg	A	
	.....	.....	.....	III	8	.....	154	213	240	25 kg	100 kg	A	
	2-Amino-4-chlorophenol	6.1	UN2673	II	6.1	.....	None	212	242	25kg	100 kg	A	
	2-Amino-5-diethylaminopentane	6.1	UN2946	III	6.1	T1	153	203	241	60 L	220 L	A	
	2-Amino-4,6-Dinitrophenol, wetted with not less than 20% water by mass	4.1	UN3317	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36
I D D I	2-(2-Aminoethoxy) ethanol	8	UN3055	III	8	T2	154	203	241	5 L	60 L	A	
	N-Aminoethylpiperazine	8	UN2815	III	8	T7	154	203	241	5 L	60 L	A	12
	Aminophenols (o-; m-; p-)	6.1	UN2512	III	6.1	T1	153	213	240	100 kg	200 kg	A	
	Aminopropyldiethanolamine, see Amines, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	n-Aminopropylmorpholine, see Amines, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Aminopyridines (o-; m-; p-)	6.1	UN2671	II	6.1	T7	None	212	242	25 kg	100 kg	B	12, 40
	Ammonia, anhydrous	2.3	UN1005		2.3, 8	4	None	304	314, 315	Forbidden	25 kg	D	40, 57
	Ammonia, anhydrous	2.2	UN1005		2.2	13	None	304	314, 315	Forbidden	25 kg	D	40, 57
I	Ammonia solution, relative density less than 0.880 at 15°C in water, with more than 50% ammonia	2.2	UN3318		2.2	13	None	304	314, 315	Forbidden	25 kg	D	40, 57
	Ammonia solution, relative density less than 0.880 at 15°C in water, with more than 50% ammonia	2.3	UN3318		2.3, 8	4	None	304	314, 315	Forbidden	25 kg	D	40, 57

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	Ammonia solutions, <i>relative density between 0.880 and 0.957 at 15°C in water, with more than 10% but not more than 35% ammonia</i>	8	UN2672	III	8	T14	154	203	241	5 L	60 L	A	40, 85
	Ammonia solutions, <i>relative density less than 0.880 at 15°C in water, with more than 35% but not more than 50% ammonia</i>	2.2	UN2073		2.2	.....	306	304	314, 315	Forbidden	150 kg	E	40, 57
	Ammonium arsenate	6.1	UN1546	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Ammonium azide	Forbidden	.....		.....	.....				.....	.....	.....
	Ammonium bifluoride, solid, <i>see</i> Ammonium hydrogen fluo- ride, solid	.....	.....		.....	.....				.....	.....	.....
	Ammonium bifluoride solution, <i>see</i> Ammonium hydrogen fluo- ride, solution	.....	.....		.....	.....				.....	.....	.....
	Ammonium bromate	Forbidden	.....		.....	.....				.....	.....	.....
	Ammonium chlorate	Forbidden	.....		.....	.....				.....	.....	.....
	Ammonium dichromate	5.1	UN1439	II	5.1	.....	152	212	242	5 kg	25 kg	A	
	Ammonium dinitro-o-cresolate	6.1	UN1843	II	6.1	T8	None	212	242	25 kg	100 kg	B	36, 65, 66, 77
	Ammonium fluoride	6.1	UN2505	III	6.1	.....	153	213	240	100 kg	200 kg	A	26
	Ammonium fluorosilicate	6.1	UN2854	III	6.1	.....	153	213	240	100 kg	200 kg	A	26
	Ammonium fulminate	Forbidden	.....		.....	.....				.....	.....	.....
	Ammonium hydrogen sulfate	8	UN2506	II	8	.....	154	212	240	15 kg	50 kg	A	40
	Ammonium hydrogendifluoride, solid	8	UN1727	II	8	B106, N34	154	212	240	15 kg	50 kg	A	25, 26, 40
	Ammonium hydrogendifluoride, solution	8	UN2817	II	8, 6.1	N34,T15	None	202	243	1 L	30 L	B	40
	.....			III	8, 6.1	T8	154	203	241	5 L	60 L	B	40,95
	Ammonium hydrosulfide, solu- tion, <i>see</i> Ammonium sulfide solution	.....	.....		.....	.....				.....	.....	.....
D	Ammonium hydroxide, <i>see</i> Ammonia solutions, <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
D	Ammonium metavanadate	6.1	UN2859	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Ammonium nitrate fertilizers	5.1	NA2072	III	5.1	7	152	213	240	25 kg	100 kg	B	48, 59, 60, 117
	Ammonium nitrate fertilizers: uniform non-segregating mixtures of ammonium nitrate with added matter which is inorganic and chemically inert towards ammonium nitrate, with not less than 90% ammonium nitrate and not more than 0.2% combustible material (including organic material calculated as carbon), or with more than 70% but less than 90% ammonium nitrate and not more than 0.4% total combustible material	5.1	UN2067	III	5.1	52	152	213	240	25 kg	100 kg	B	48, 59, 60, 117
AW	Ammonium nitrate fertilizers: uniform non-segregating mixtures of nitrogen/phosphate or nitrogen/potash types or complete fertilizers of nitrogen/phosphate/potash type, with not more than 70% ammonium nitrate and not more than 0.4% total added combustible material or with not more than 45% ammonium nitrate with unrestricted combustible material	9	UN2071	III	9	.....	155	213	240	200 kg	200 kg	A	
D	Ammonium nitrate-fuel oil mixture (containing only prilled ammonium nitrate and fuel oil)	1.5D	NA0331	II	1.5D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E, 19E
	Ammonium nitrate, liquid (<i>hot concentrated solution</i>)	5.1	UN2426		5.1	B5, B100, T25	None	None	243	Forbidden	Forbidden	D	59, 60

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D	Ammonium nitrate mixed fertilizers	5.1	NA2069	III	5.1	10	152	213	240	25 kg	100 kg	B	48, 59, 60, 117
	Ammonium nitrate, <i>with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance</i>	1.1D	UN0222	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E, 19E
	Ammonium nitrate, <i>with not more than 0.2% of combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance</i>	5.1	UN1942	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	48, 59, 60, 116
	Ammonium nitrite	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ammonium perchlorate	5.1	UN1442	II	5.1	107, A9	152	212	242	5 kg	25 kg	E	58, 69, 106
	Ammonium perchlorate	1.1D	UN0402	II	1.1D	107	None	62	None	Forbidden	Forbidden	B	1E, 5E, 19E
	Ammonium permanganate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ammonium persulfate	5.1	UN1444	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	.....
	Ammonium picrate, <i>dry or wetted with less than 10% water, by mass</i>	1.1D	UN0004	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E, 19E
	Ammonium picrate, <i>wetted with not less than 10% water, by mass</i>	4.1	UN1310	I	4.1	23, A2, N41	None	211	None	0.5 kg	0.5 kg	D	28, 36
	Ammonium polysulfide, solution	8	UN2818	II	8, 6.1	T14	None	202	243	1 L	30 L	B	12, 26, 40
	.....	.....	.....	III	8, 6.1	T7	154	203	241	5 L	60 L	B	12, 26, 40
	Ammonium polyvanadate	6.1	UN2861	II	6.1	.....	None	212	242	25 kg	100 kg	A	.....
	Ammonium silicofluoride, <i>see</i> Ammonium fluorosilicate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ammonium sulfide solution	8	UN2683	II	8, 6.1, 3	T14	None	202	243	1 L	30 L	B	12, 22, 26, 100
	Ammunition, blank, <i>see</i> Cartridges for weapons, blank	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ammunition, illuminating <i>with or without burster, expelling charge or propelling charge</i>	1.2G	UN0171	II	1.2G	.....	.....	62	None	Forbidden	Forbidden	B	.....
	Ammunition, illuminating <i>with or without burster, expelling charge or propelling charge</i>	1.3G	UN0254	II	1.3G	.....	.....	62	None	Forbidden	Forbidden	B	.....
	Ammunition, illuminating <i>with or without burster, expelling charge or propelling charge</i>	1.4G	UN0297	II	1.4G	.....	.....	62	None	Forbidden	75 kg	A	24E
	Ammunition, incendiary <i>liquid or gel, with burster, expelling charge or propelling charge</i>	1.3J	UN0247	II	1.3J	.....	.....	62	None	Forbidden	Forbidden	E	7E, 13E, 23E
	Ammunition, incendiary (water-activated contrivances) <i>with burster, expelling charge or propelling charge, see</i> Contrivances, water-activated, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ammunition, incendiary, white phosphorus, <i>with burster, expelling charge or propelling charge</i>	1.2H	UN0243	II	1.2H	.....	.....	62	None	Forbidden	Forbidden	E	8E, 14E, 15E, 17E
	Ammunition, incendiary, white phosphorus, <i>with burster, expelling charge or propelling charge</i>	1.3H	UN0244	II	1.3H	.....	.....	62	None	Forbidden	Forbidden	E	8E, 14E, 15E, 17E
	Ammunition, incendiary <i>with or without burster, expelling charge, or propelling charge</i>	1.2G	UN0009	II	1.2G	.....	.....	62	None	Forbidden	Forbidden	B	.....
	Ammunition, incendiary <i>with or without burster, expelling charge, or propelling charge</i>	1.3G	UN0010	II	1.3G	.....	.....	62	None	Forbidden	Forbidden	B	.....
	Ammunition, incendiary <i>with or without burster, expelling charge or propelling charge</i>	1.4G	UN0300	II	1.4G	.....	.....	62	None	Forbidden	75 kg	A	24E

Sym- bols (1)	Hazardous Materials Descriptions and Proper Shipping Names (2)	Hazard Class Or Division (3)	Identifica- tion Numbers (4)	PG (5)	Label Codes (6)	Special Provisions (7)	(8) Packaging (\$173.***)			(9) Quantity Limitations		(10) Vessel Stowage	
							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Ammunition, practice	1.4G	UN0362	II	1.4G	.....		62	None	Forbidden	75 kg	A	24E
	Ammunition, practice	1.3G	UN0488	II	1.3G	.....		62	None	Forbidden	Forbidden	B	
	Ammunition, proof	1.4G	UN0363	II	1.4G	.....		62	None	Forbidden	75 kg	A	24E
	<i>Ammunition, rocket, see Warheads, rocket etc.</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Ammunition, SA (small arms), see Cartridges for weapons, etc.</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Ammunition, smoke (water-acti- vated contrivances), white phosphorus, with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc. (UN 0248)</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Ammunition, smoke (water-acti- vated contrivances), without white phosphorus or phos- phides, with burster, expelling charge or propelling charge, see Contrivances, water-acti- vated, etc. (UN 0249)</i>	.....	.....		.....	.....				.....	.....	.....
	Ammunition, smoke, white phos- phorus with burster, expelling charge, or propelling charge	1.3H	UN0246	II	1.3H	.....		62	None	Forbidden	Forbidden	E	8E, 14E, 15E, 17E
	Ammunition smoke, white phos- phorus with burster, expelling charge	1.2H	UN0245	II	1.2H	.....		62	None	Forbidden	Forbidden	E	8E, 14E, 15E, 17E
	Ammunition, smoke with or without burster, expelling charge or propelling charge	1.3G	UN0016	II	1.3G, 8	.....		62	None	Forbidden	Forbidden	E	17E, 20E
	Ammunition, smoke with or without burster, expelling charge or propelling charge	1.4G	UN0303	II	1.4G, 8	.....		62	None	Forbidden	75 kg	E	17E, 20E
	Ammunition, smoke with or without burster, expelling charge or propelling charge	1.2G	UN0015	II	1.2G, 8	.....		62	None	Forbidden	Forbidden	E	17E, 20E
	<i>Ammunition, sporting, see Cartridges for weapons, etc. (UN 0012; UN 0328; UN 0339)</i>	.....	.....		.....	.....				.....	.....	.....
	Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed	6.1	UN2017	II	6.1, 8	.....	None	212	None	Forbidden	50 kg	E	13, 40
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.2G	UN0018	II	1.2G, 8, 6.1	.....		62	None	Forbidden	Forbidden	E	20E
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.3G	UN0019	II	1.3G, 8, 6.1	.....		62	None	Forbidden	Forbidden	E	17E, 20E
	Ammunition, tear-producing with burster, expelling charge or propelling charge	1.4G	UN0301	II	1.4G, 8, 6.1	.....		62	None	Forbidden	75 kg	E	17E, 20E
	Ammunition, toxic, nonexplo- sive, without burster or expel- ling charge, non-fuzed	6.1	UN2016	II	6.1	.....	None	212	None	Forbidden	100 kg	E	13, 40
	<i>Ammunition, toxic (water-acti- vated contrivances), with burster, expelling charge or propelling charge, see Contrivances, water-activated, etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Ammunition, toxic with burster, expelling charge, or propel- ling charge	1.2K	UN0020	II	1.2K, 6.1	.....		62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Ammunition, toxic with burster, expelling charge, or propel- ling charge	1.3K	UN0021	II	1.3K, 6.1		62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E

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+	Amyl acetates	3	UN1104	III	3	B1, T1	150	203	242	60 L	220 L	A	95, 102
	Amyl acid phosphate	8	UN2819	III	8	T7	154	203	241	5 L	60 L	A	
	Amyl alcohols	3	UN1105	II	3	T1	150	202	242	5 L	60 L	B	
	.....			III	3	B1, B3, T1	150	203	242	60 L	220 L	A	
	Amyl butyrates	3	UN2620	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Amyl chlorides	3	UN1107	II	3	T1	150	202	242	5 L	60 L	B	
	Amyl formates	3	UN1109	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Amyl mercaptans	3	UN1111	II	3	A3, T8	None	202	242	5 L	60 L	B	
	n-Amyl methyl ketone	3	UN1110	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Amyl nitrate	3	UN1112	III	3	B1, T1	150	203	242	60 L	220 L	A	40
	Amyl nitrites	3	UN1113	II	3	T8	150	202	242	5 L	60 L	E	40
	Amylamines	3	UN1106	II	3, 8	T1	None	202	243	1 L	5 L	B	
	.....			III	3, 8	B1	150	203	242	5 L	60 L	A	
	Amyltrichlorosilane	8	UN1728	II	8	A7, B2, B6, N34, T8, T26	None	202	242	Forbidden	30 L	C	40
	Anhydrous ammonia <i>see</i> <i>Ammonia, anhydrous,</i> <i>liquefied</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Anhydrous hydrofluoric acid,</i> <i>see</i> Hydrogen fluoride, anhydrous	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Aniline	6.1	UN1547	II	6.1	T8	None	202	243	5 L	60 L	A	40
	Aniline hydrochloride	6.1	UN1548	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	<i>Aniline oil, see</i> Aniline	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Anisidines	6.1	UN2431	III	6.1	T1	153	203	241	60 L	220 L	A	
	Anisole	3	UN2222	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Anisoyl chloride	8	UN1729	II	8	B2, T8	154	202	242	1 L	30 L	C	40
	<i>Anti-freeze, liquid, see</i> Flam- mable liquids, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Antimonous chloride, see</i> Anti- mony trichloride	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Antimony compounds, inor- ganic, liquid, n.o.s.	6.1	UN3141	III	6.1	35, T7	153	203	241	60 L	220 L	A	
	Antimony compounds, inor- ganic, solid, n.o.s.	6.1	UN1549	III	6.1	35	153	213	240	100 kg	200 kg	A	
	Antimony lactate	6.1	UN1550	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Antimony pentachloride, liquid	8	UN1730	II	8	B2, T8, T26	None	202	242	1 L	30 L	C	40
	Antimony pentachloride, solutions	8	UN1731	II	8	B2, T8, T27	154	202	242	1 L	30 L	C	40
	.....			III	8	T7, T26	154	203	241	5 L	60 L	C	40
	Antimony pentafluoride	8	UN1732	II	8, 6.1	A3, A6, A7, A10, N3, T12, T26	None	202	243	Forbidden	30 L	D	40
	Antimony potassium tartrate	6.1	UN1551	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Antimony powder	6.1	UN2871	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	<i>Antimony sulfide and a chlorate,</i> <i>mixtures of</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Antimony sulfide, solid, see</i> Anti- mony compounds, inorganic, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
D	Antimony tribromide, solid	8	NA1549	II	8	.....	154	212	240	25 kg	100 kg	A	13
D	Antimony tribromide, solution	8	NA1549	II	8	B2	154	202	242	1 L	30 L	C	13
	Antimony trichloride, liquid	8	UN1733	II	8	B2	154	202	242	1 L	30 L	C	40
	Antimony trichloride, solid	8	UN1733	II	8	B106	154	212	240	15 kg	50 kg	A	40
D	Antimony trifluoride, solid	8	NA1549	II	8	.....	154	212	240	25 kg	25 kg	A	13
D	Antimony trifluoride, solution	8	NA1549	II	8	B2	154	202	242	1 L	30 L	C	13
	<i>Aqua ammonia, see</i> Ammonia solution, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Argon, compressed	2.2	UN1006		2.2	.....	306	302	314, 315	75 kg	150 kg	A	
	Argon, refrigerated liquid (cryo- genic liquid)	2.2	UN1951		2.2	.....	320	316	318	50 kg	500 kg	B	
	Arsenic	6.1	UN1558	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Arsenic acid, liquid	6.1	UN1553	I	6.1	T18, T27	None	201	243	1 L	30 L	B	46
	Arsenic acid, solid	6.1	UN1554	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Arsenic bromide	6.1	UN1555	II	6.1	.....	None	212	242	25 kg	100 kg	A	12, 40
	<i>Arsenic chloride, see</i> Arsenic trichloride	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Arsenic compounds, liquid, n.o.s. <i>inorganic, including</i> <i>arsenates, n.o.s.; arsenites,</i> <i>n.o.s.; arsenic sulfides, n.o.s.;</i> <i>and organic compounds of</i> <i>arsenic, n.o.s.</i>	6.1	UN1556	I	6.1	None	201	243	1 L	30 L	B	40
			II	6.1	None	202	243	5 L	60 L	B	40
			III	6.1	153	203	241	60 L	220 L	B	40

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D	Arsenic compounds, solid, n.o.s. <i>inorganic, including arse- nates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arse- nic, n.o.s.</i>	6.1	UN1557	I	6.1	None	211	242	5 kg	50 kg	A	
	.....			II	6.1	.....	None	212	242	25 kg	100 kg	A	
	.....			III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Arsenic pentoxide	6.1	UN1559	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Arsenic sulfide	6.1	NA1557	II	6.1	.....	None	212	242	25 kg	100 kg	A	
D	<i>Arsenic sulfide and a chlorate, mixtures of</i>	Forbidden	.....			.....				.....	.....	.....
	Arsenic trichloride	6.1	UN1560	I	6.1	2, B9, B14, B32, B74, T38,T43, T45	None	227	244	Forbidden	Forbidden	B	40
	Arsenic trioxide	6.1	UN1561	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Arsenic trisulfide	6.1	NA1557	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	<i>Arsenic, white, solid, see Arse- nic trioxide</i>	.....	.....			.....				.....	.....	.....
	Arsenical dust	6.1	UN1562	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Arsenical pesticides, liquid, flam- mable, toxic, n.o.s., <i>flash point less than 23°C</i>	3	UN2760	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	.....			II	3, 6.1	.....	None	202	243	1 L	60 L	B	40
	Arsenical pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less than 23°C</i>	6.1	UN2993	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....			II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....			III	6.1, 3	B1, T14	153	203	242	60 L	220 L	A	40
	Arsenical pesticides, liquid, toxic, n.o.s.	6.1	UN2994	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....			II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....			III	6.1	T14	153	203	241	60 L	220 L	A	40
	Arsenical pesticides, solid, toxic, n.o.s.	6.1	UN2759	I	6.1	.....	None	211	242	5kg	50 kg	A	40
	.....			II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....			III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	<i>Arsenious acid, solid, see Arse- nic trioxide</i>	.....	.....			.....				.....	.....	.....
	<i>Arsenious and mercuric iodide solution, see Arsenic compounds, liquid, n.o.s.</i>	.....	.....			.....				.....	.....	.....
	Arsine	2.3	UN2188		2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
	Articles, explosive, extremely insensitive <i>or</i> Articles, EEI	1.6N	UN0486	II	1.6N	101	None	62	None	Forbidden	Forbidden	B	
	Articles, explosive, n.o.s.	1.4S	UN0349	II	1.4S	101	None	62	None	25 kg	100 kg	A	
	Articles, explosive, n.o.s.	1.4B	UN0350	II	1.4B	101	None	62	None	Forbidden	Forbidden	A	24E
	Articles, explosive, n.o.s.	1.4C	UN0351	II	1.4C	101	None	62	None	Forbidden	Forbidden	A	24E
	Articles, explosive, n.o.s.	1.4D	UN0352	II	1.4D	101	None	62	None	Forbidden	Forbidden	A	24E
	Articles, explosive, n.o.s.	1.4G	UN0353	II	1.4G	101	None	62	None	Forbidden	Forbidden	A	24E
	Articles, explosive, n.o.s.	1.1L	UN0354	II	1.1L	101	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Articles, explosive, n.o.s.	1.2L	UN0355	II	1.2L	101	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Articles, explosive, n.o.s.	1.3L	UN0356	II	1.3L	101	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Articles, explosive, n.o.s.	1.1C	UN0462	II	1.1C	101	None	62	None	Forbidden	Forbidden	B	
	Articles, explosive, n.o.s.	1.1D	UN0463	II	1.1D	101	None	62	None	Forbidden	Forbidden	B	
	Articles, explosive, n.o.s.	1.1E	UN0464	II	1.1E	101	None	62	None	Forbidden	Forbidden	B	
	Articles, explosive, n.o.s.	1.1F	UN0465	II	1.1F	101	None	62	None	Forbidden	Forbidden	E	
	Articles, explosive, n.o.s.	1.2C	UN0466	II	1.2C	101	None	62	None	Forbidden	Forbidden	B	
	Articles, explosive, n.o.s.	1.2D	UN0467	II	1.2D	101	None	62	None	Forbidden	Forbidden	B	
	Articles, explosive, n.o.s.	1.2E	UN0468	II	1.2E	101	None	62	None	Forbidden	Forbidden	B	
	Articles, explosive, n.o.s.	1.2F	UN0469	II	1.2F	101	None	62	None	Forbidden	Forbidden	E	
	Articles, explosive, n.o.s.	1.3C	UN0470	II	1.3C	101	None	62	None	Forbidden	Forbidden	B	
	Articles, explosive, n.o.s.	1.4E	UN0471	II	1.4E	101	None	62	None	Forbidden	75kg	A	24E
	Articles, explosive, n.o.s.	1.4F	UN0472	II	1.4F	101	None	62	None	Forbidden	Forbidden	E	
	Articles, pressurized pneu- matic <i>or</i> Hydraulic <i>containing non-flammable gas</i>	2.2	UN3164		2.2	306	302, 304	None	No limit	No limit	A	

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D	Articles, pyrophoric	1.2L	UN0380	II	1.2L	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Articles, pyrotechnic for techni- cal purposes	1.1G	UN0428	II	1.1G	.....	None	62	None	Forbidden	Forbidden	B	
	Articles, pyrotechnic for techni- cal purposes	1.2G	UN0429	II	1.2G	.....	None	62	None	Forbidden	Forbidden	B	
	Articles, pyrotechnic for techni- cal purposes	1.3G	UN0430	II	1.3G	.....	None	62	None	Forbidden	Forbidden	B	
	Articles, pyrotechnic for techni- cal purposes	1.4G	UN0431	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	Articles, pyrotechnic for techni- cal purposes	1.4S	UN0432	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	Asbestos	9	NA2212	III	9	.....	155	216	240	200 kg	200 kg	A	34, 40
	Ascaridole (organic peroxide)	Forbidden	.....									
	Asphalt, at or above its flash point	3	NA1999	III	3	.....	150	203	247	Forbidden	Forbidden	D	
	Asphalt, cut back, see Tars, liquid, etc.	.....	.....								
D	Automobile, motorcycle, trac- tor, or other self-propelled vehicle, engine, or other mechanical apparatus. see Engines or Battery etc.	.....	.....								
	Azaurolic acid (salt of) (dry)	Forbidden	.....									
	Azido guanidine picrate (dry)	Forbidden	.....									
	5-Azido-1-hydroxy tetrazole	Forbidden	.....									
	Azido hydroxy tetrazole (mercury and silver salts)	Forbidden	.....									
	3-Azido-1,2-Propylene glycol dinitrate	Forbidden	.....									
	Azidodithiocarbonic acid	Forbidden	.....									
	Azidoethyl nitrate	Forbidden	.....									
	1-Aziridinyl phosphine oxide- (tris), see Tris-(1-aziridinyl) phosphine oxide, solution	.....	.....								
	Azodicarbonamide	4.1	UN3242	II	4.1	38	151	212	240	Forbidden	Forbidden	D	12, 61, 74
D	Azotetrazole (dry)	Forbidden	.....									
	Barium	4.3	UN1400	II	4.3	A19, B101, B106	151	212	241	15 kg	50 kg	E	
	Barium alloys, pyrophoric	4.2	UN1854	I	4.2	.....	None	181	None	Forbidden	Forbidden	D	
	Barium azide, dry or wetted with less than 50% water, by mass	1.1A	UN0224	II	1.1A, 6.1	111, 117	None	62	None	Forbidden	Forbidden	E	2E, 6E
	Barium azide, wetted with not less than 50% water, by mass	4.1	UN1571	I	4.1, 6.1	A2	None	182	None	Forbidden	0.5 kg	D	28
	Barium bromate	5.1	UN2719	II	5.1, 6.1	.....	None	212	242	5 kg	25 kg	A	56, 58, 106
	Barium chlorate	5.1	UN1445	II	5.1, 6.1	A9, N34, T8	None	212	242	5 kg	25 kg	A	56, 58, 106
	Barium compounds, n.o.s.	6.1	UN1564	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Barium cyanide	6.1	UN1565	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Barium hypochlorite with more than 22% available chlorine	5.1	UN2741	I	6.1	N74, N75	None	211	242	5 kg	50 kg	A	26, 40
D	Barium hypochlorite with more than 22% available chlorine	5.1	UN2741	II	5.1, 6.1	A7, A9, N34	152	212	None	5 kg	25 kg	B	56, 58, 106
	Barium nitrate	5.1	UN1446	II	5.1, 6.1	.....	None	212	242	5 kg	25 kg	A	
	Barium oxide	6.1	UN1884	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Barium perchlorate	5.1	UN1447	II	5.1, 6.1	T8	None	212	242	5 kg	25 kg	A	56, 58, 106
	Barium permanganate	5.1	UN1448	II	5.1, 6.1	.....	None	212	242	5 kg	25 kg	D	56, 58, 69, 106, 107
	Barium peroxide	5.1	UN1449	II	5.1, 6.1	.....	None	212	242	5 kg	25 kg	A	13, 75, 106
	Barium selenate, see Selenates or Selenites	.....	.....								
	Barium selenite, see Selenates or Selenites	.....	.....								
	Barium styphnate	1.1A	NA0473	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	E	2E, 6E
	Batteries, containing sodium	4.3	UN3292	II	4.3	.....	189	189	189	Forbidden	No limit	A	
D	Batteries, dry, containing potassium hydroxide solid, electric, storage	8	UN3028	III	8	None	213	None	25 kg gross	230 kg gross	A	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
AW	Batteries, wet, filled with acid, <i>electric storage</i>	8	UN2794	III	8	.....	159	159	159	25 kg gross	No limit	A	
	Batteries, wet, filled with alkali, <i>electric storage</i>	8	UN2795	III	8	.....	159	159	159	25 kg gross	No limit	A	
	Batteries, wet, non-spillable, <i>electric storage</i>	8	UN2800	III	8	.....	159	159	159	No limit	No limit	A	
	Battery fluid, acid	8	UN2796	II	8	A3, A7, B2, B15, N6, N34, T9, T27	154	202	242	1 L	30 L	B	
	Battery fluid, alkali	8	UN2797	II	8	B2, N6, T8	154	202	242	1 L	30 L	A	
	<i>Battery lithium type, see Lithium batteries etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Battery-powered vehicle <i>or</i> Battery-powered equipment	9	UN3171		9	.....	220	220	None	No limit	No limit		
	<i>Battery, dry, not subject to the requirements of this subchapter</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Battery, wet, filled with acid or alkali with automobile (or named self-propelled vehicle or mechanical equipment containing internal combustion engine) see Vehicles, self-propelled etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Battery, wet, with wheelchair, see Wheelchair, electric</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
+	Benzaldehyde	9	UN1990	III	9	T1	155	203	241	100 L	220 L	A	
	Benzene	3	UN1114	II	3	B101, T8	150	202	242	5 L	60 L	B	40
	<i>Benzene diazonium chloride (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Benzene diazonium nitrate (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Benzene phosphorus dichloride, see Phenyl phosphorus dichloride</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Benzene phosphorus thiodichloride, see Phenyl phosphorus thiodichloride</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Benzene sulfonyl chloride	8	UN2225	III	8	T8	154	203	241	5 L	60 L	A	40
	<i>Benzene triozonide</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Benzenethiol, see Phenyl mercaptan</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Benzidine	6.1	UN1885	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Benzoic derivative pesticides, liquid, flammable, toxic, n.o.s., <i>flash point less than 23°C</i>	3	UN2770	I	3, 6.1	.....	None	201	243	Forbidden	30 L	E	
	.....	.....	.....	II	3, 6.1	.....	None	202	243	1 L	60 L	B	
	Benzoic derivative pesticides, liquid, toxic, flammable, n.o.s., <i>flash point not less than 23°C</i>	6.1	UN3003	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	T14	153	203	241	60 L	220 L	A	40
	Benzoic derivative pesticides, liquid, toxic, n.o.s.	6.1	UN3004	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Benzoic derivative pesticides, solid, toxic	6.1	UN2769	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	<i>Benzol, see Benzene</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Benzonitrile	6.1	UN2224	II	6.1	T14	None	202	243	5 L	60 L	A	26, 40
	Benzoquinone	6.1	UN2587	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Benzotrichloride	8	UN2226	II	8	B2, B101, T15	154	202	242	1 L	30 L	A	40
	Benzotrifluoride	3	UN2338	II	3	T2	150	202	242	5 L	60 L	B	40
	<i>Benzoxidiazoles (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Benzoyl azide</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Benzoyl chloride	8	UN1736	II	8	B2, T9, T26	154	202	242	1 L	30 L	C	40
	Benzyl bromide	6.1	UN1737	II	6.1, 8	A3, A7, N33, N34, T12, T26	None	202	243	1 L	30 L	D	13, 40
	Benzyl chloride	6.1	UN1738	II	6.1, 8	A3, A7, B70, N33, N42, T12, T26	None	202	243	1 L	30 L	D	13, 40

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D	Benzyl chloride <i>unstabilized</i>	6.1	UN1738	II	6.1, 8	A3, A7, B8, B11, N33, N34, N43, T12, T26	None	202	243	1 L	30 L	D	13, 40
	Benzyl chloroformate	8	UN1739	I	8	A3, A6, B4, N41, T18, T26	None	201	243	Forbidden	2.5 L	D	40
	Benzyl iodide	6.1	UN2653	II	6.1	T8	None	202	243	5 L	60 L	B	12, 40
	Benzyl dimethylamine	8	UN2619	II	8, 3	B2, T1	154	202	243	1 L	30 L	A	40, 48
	Benzylidene chloride	6.1	UN1886	II	6.1	T8	None	202	243	5 L	60 L	D	40
	Beryllium compounds, n.o.s.	6.1	UN1566	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Beryllium nitrate	5.1	UN2464	II	5.1, 6.1	.....	None	212	242	5 kg	25 kg	A	
	Beryllium, powder	6.1	UN1567	II	6.1, 4.1	.....	None	212	242	15 kg	50 kg	A	
	<i>Biphenyl triozonide</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Bipyridilium pesticides, liquid, flammable, toxic, n.o.s., <i>flash point less than 23°C</i>	3	UN2782	I	3, 6.1	.....	None	201	243	Forbidden	30 L	E	
	.....	.....	.....	II	3, 6.1	.....	None	202	243	1 L	60 L	B	40
	Bipyridilium pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less than 23°C</i>	6.1	UN3015	I	6.1, 3	T42	None	201	243	1 L	30 L	B	21, 40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	21, 40
	.....	.....	.....	III	6.1, 3	B1, T14	153	203	242	60 L	220 L	A	21, 40
	Bipyridilium pesticides, liquid, toxic, n.o.s.	6.1	UN3016	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Bipyridilium pesticides, solid, toxic, n.o.s.	6.1	UN2781	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	<i>bis (Aminopropyl) piperazine, see Corrosive liquid, n.o.s.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Bisulfate, aqueous solution	8	UN2837	II	8	A7, B2, N34, T8, T26	154	202	242	1 L	30 L	A	
	.....	.....	.....	III	8	A7, N34, T7, T26	154	203	241	5 L	60 L	A	
	Bisulfites, inorganic, aqueous solutions, n.o.s.	8	UN2693	III	8	T8	154	203	241	1 L	30 L	A	26, 40
	Black powder, compressed <i>or</i> Gunpowder, compressed <i>or</i> Black powder, in pellets <i>or</i> Gunpowder, in pellets	1.1D	UN0028	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Black powder for small arms	4.1	NA0027	I	4.1	70	None	170	None	Forbidden	Forbidden	E	
I	Black powder <i>or</i> Gunpowder, granular <i>or</i> as a meal	1.1D	UN0027	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	10E, 26E
	<i>Blasting agent, n.o.s., see Explosives, blasting etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Blasting cap assemblies, see Detonator assemblies, non-electric, for blasting</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Blasting caps, electric, see Detonators, electric for blasting</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Blasting caps, non-electric, see Detonators, non-electric, for blasting</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Bleaching powder, see Calcium hypochlorite mixtures, etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Blue asbestos (<i>Crocidolite</i>) <i>or</i> Brown asbestos (<i>amosite, mysorite</i>)	9	UN2212	II	9	.....	155	216	240	Forbidden	Forbidden	A	34, 40
	Bombs, photo-flash	1.1F	UN0037	II	1.1F	.....	.....	62	None	Forbidden	Forbidden	E	
	Bombs, photo-flash	1.1D	UN0038	II	1.1D	.....	.....	62	None	Forbidden	Forbidden	B	
	Bombs, photo-flash	1.2G	UN0039	II	1.2G	.....	.....	62	None	Forbidden	Forbidden	B	
	Bombs, photo-flash	1.3G	UN0299	II	1.3G	.....	.....	62	None	Forbidden	Forbidden	B	
	Bombs, smoke, non-explosive, with corrosive liquid, without initiating device	8	UN2028	II	8	.....	None	160	None	Forbidden	50 kg	E	40
	Bombs, with bursting charge	1.1F	UN0033	II	1.1F	.....	.....	62	None	Forbidden	Forbidden	E	
	Bombs, with bursting charge	1.1D	UN0034	II	1.1D	.....	.....	62	None	Forbidden	Forbidden	B	3E, 7E
	Bombs, with bursting charge	1.2D	UN0035	II	1.2D	.....	.....	62	None	Forbidden	Forbidden	B	3E, 7E
	Bombs, with bursting charge	1.2F	UN0291	II	1.2F	.....	.....	62	None	Forbidden	Forbidden	E	
	Bombs with flammable liquid, with bursting charge	1.1J	UN0399	II	1.1J	.....	.....	62	None	Forbidden	Forbidden	E	7E, 16E, 23E
	Bombs with flammable liquid, with bursting charge	1.2J	UN0400	II	1.2J	62	None	Forbidden	Forbidden	E	7E, 16E, 23E

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+	Boosters with detonator	1.1B	UN0225	II	1.1B	None	62	None	Forbidden	Forbidden	B	2E, 6E
	Boosters with detonator	1.2B	UN0268	II	1.2B	.....	None	62	None	Forbidden	Forbidden	E	1E, 7E
	Boosters, <i>without detonator</i>	1.1D	UN0042	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	
	Boosters, <i>without detonator</i>	1.2D	UN0283	II	1.2D	.....	None	62	None	Forbidden	Forbidden	B	
	<i>Borate and chlorate mixtures, see Chlorate and borate mixtures</i>	.....	.....		.....	.....				.....	.....	.....
	Borneol	4.1	UN1312	III	4.1	A1	None	213	240	25 kg	100 kg	A	
	Boron tribromide	8	UN2692	I	8, 6.1	2, A3, A7, B9, B14, B32, B74, N34, T38, T43, T45	None	227	244	Forbidden	2.5 L	C	12
	Boron trichloride	2.3	UN1741		2.3, 8	3, B9, B14	None	304	314	Forbidden	Forbidden	E	25, 40
	Boron trifluoride, compressed	2.3	UN1008		2.3	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
	Boron trifluoride acetic acid complex	8	UN1742	II	8	B2, B6, T19, T27	154	202	242	1 L	30 L	A	
+	Boron trifluoride diethyl etherate	8	UN2604	I	8, 3	A19, T8, T26	None	202	243	0.5 L	2.5 L	D	40
	Boron trifluoride dihydrate	8	UN2851	II	8	T9, T27	154	212	240	15 kg	50 kg	B	12, 40
	Boron trifluoride dimethyl etherate	4.3	UN2965	II	4.3, 8, 3	A19, T8, T26	None	202	243	1 L	5 L	D	21, 28, 40, 49, 100
	Boron trifluoride propionic acid complex	8	UN1743	II	8	B2, T9, T27	154	202	242	1 L	30 L	A	
	<i>Box toe gum, see Nitrocellulose etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Bromates, inorganic, aqueous solution, n.o.s.	5.1	UN3213	II	5.1	T8	152	202	242	1 L	5 L	B	56, 58, 106
	Bromates, inorganic, n.o.s.	5.1	UN1450	II	5.1	.....	152	212	242	5 kg	25 kg	A	56, 58, 106
	<i>Bromine azide</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Bromine or Bromine solutions	8	UN1744	I	8, 6.1	1, A3, A6, B9, B64, B85, N34, N43, T18, T41	None	226	249	Forbidden	2.5 L	D	12, 40, 66, 74, 89, 90
	Bromine chloride	2.3	UN2901		2.3, 8, 5.1	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
+	Bromine pentafluoride	5.1	UN1745	I	5.1, 6.1, 8	1, B9, B14, B30, B72, T38, T43, T44	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, B74, T38, T43, T45	None	228	244	Forbidden	Forbidden	D	25, 40, 66, 90
+	<i>4-Bromo-1,2-dinitrobenzene</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>4-Bromo-1,2-dinitrobenzene (unstable at 59°C)</i>	Forbidden	.....		.....	.....				.....	.....	.....
	1-Bromo-3-methylbutane	3	UN2341	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	<i>1-Bromo-3-nitrobenzene (unstable at 56°C)</i>	Forbidden	.....		.....	.....				.....	.....	.....
	2-Bromo-2-nitropropane-1,3-diol	4.1	UN3241	III	4.1	46	151	213	None	25 kg	50 kg	C	12, 25, 40
	Bromoacetic acid, <i>solid</i>	8	UN1938	II	8	A7, N34, T9	154	212	240	15 kg	50 kg	A	
	Bromoacetic acid, <i>solution</i>	8	UN1938	II	8	B2, T9	154	202	242	1 L	30 L	A	40
	Bromoacetone	6.1	UN1569	II	6.1, 3	2	None	193	245	Forbidden	Forbidden	D	40
	Bromoacetyl bromide	8	UN2513	II	8	B2, T9, T26	154	202	242	1 L	30 L	C	40
	Bromobenzene	3	UN2514	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Bromobenzyl cyanides, <i>liquid</i>	6.1	UN1694	I	6.1	T18	None	201	243	Forbidden	30 L	D	12, 40
	Bromobenzyl cyanides, <i>solid</i>	6.1	UN1694	I	6.1	T18	None	211	242	Forbidden	50 kg	D	12, 40
	1-Bromobutane	3	UN1126	II	3	T1	150	202	242	5L	60L	B	40
	2-Bromobutane	3	UN2339	II	3	B1, T1	150	202	242	5 L	60 L	B	40
	Bromochloromethane	6.1	UN1887	III	6.1	T7	153	203	241	60 L	220 L	A	
	2-Bromoethyl ethyl ether	3	UN2340	II	3	T7	150	202	242	5 L	60 L	B	40
	Bromoform	6.1	UN2515	III	6.1	T7	153	203	241	60 L	220 L	A	12, 40
	Bromomethylpropanes	3	UN2342	II	3	T7, T30	150	202	242	5 L	60 L	B	
	2-Bromopentane	3	UN2343	II	3	T1	150	202	242	5 L	60 L	B	
	2-Bromopropane	3	UN2344	II	3	T7	150	202	242	5 L	60 L	B	40
	3-Bromopropyne	3	UN2345	II	3	T8	150	202	242	5 L	60 L	D	40
	<i>Bromosilane</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Bromotoluene-alpha, see Benzyl bromide</i>	.....	.....		.....	.....				.....	.....	.....
	Bromotrifluoroethylene	2.1	UN2419		2.1	.....	None	304	314, 315	Forbidden	150 kg	B	40
	Bromotrifluoromethane or Refrigerant gas, R 13B1	2.2	UN1009		2.2	306	304	314, 315	75 kg	150 kg	A	

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D	Brucine	6.1	UN1570	I	6.1	None	212	242	5 kg	50 kg	A	40
	Bursters, <i>explosive</i>	1.1D	UN0043	II	1.1D	None	62	None	Forbidden	Forbidden	B	
	Butadienes, inhibited	2.1	UN1010		2.1	.....	306	304	314, 315	Forbidden	150 kg	B	
	Butane <i>see also</i> Petroleum gases, liquefied	2.1	UN1011		2.1	19	306	304	314, 315	Forbidden	150 kg	E	
	<i>Butane, butane mixtures and mixtures having similar properties in cartridges each not exceeding 500 grams, see</i> Receptacles, <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Butanedione	3	UN2346	II	3	T1	150	202	242	5 L	60 L	B	
	<i>1,2,4-Butanetriol trinitrate</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Butanols	3	UN1120	II	3	T1	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T1	150	203	242	60 L	220 L	A	
	<i>tert</i> -Butoxycarbonyl azide	Forbidden	.....		.....	.....				.....	.....	.....
	Butyl acetates	3	UN1123	II	3	T1	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Butyl acid phosphate	8	UN1718	III	8	T7	154	203	241	5 L	60 L	A	
	<i>Butyl alcohols, see</i> Butanols	.....	.....		.....	.....				.....	.....	.....
	Butyl benzenes	3	UN2709	III	3	B1, T1	150	203	242	60 L	220 L	A	
	<i>n</i> -Butyl bromide, <i>see</i> 1-Bromo- butane	.....	.....		.....	.....				.....	.....	.....
	<i>n</i> -Butyl chloride, <i>see</i> Chlo- robutanes	.....	.....		.....	.....				.....	.....	.....
	<i>n</i> -Butyl chloroformate	6.1	UN2743	I	6.1, 8, 3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	1 L	30 L	A	12, 13, 21, 25, 40, 100
	<i>sec</i> -Butyl chloroformate	6.1	NA2742	I	6.1, 3, 8	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	1 L	30 L	A	12, 13, 22, 25, 40, 48, 100
	<i>Butyl ethers, see</i> Dibutyl ethers	.....	.....		.....	.....				.....	.....	.....
	<i>Butyl ethyl ether, see</i> Ethyl butyl ether	.....	.....		.....	.....				.....	.....	.....
	<i>n</i> -Butyl formate	3	UN1128	II	3	T1	150	202	242	5 L	60 L	B	
	<i>tert</i> -Butyl hydroperoxide, <i>more than 90% with water</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>tert</i> -Butyl hypochlorite	4.2	UN3255	I	4.2, 8	.....	None	211	243	Forbidden	Forbidden	D	
	N- <i>n</i> -Butyl imidazole	6.1	UN2690	II	6.1	T8	None	202	243	5 L	60 L	A	
	Tert-Butyl isocyanate	3	UN2484	I	3, 6.1	1, A7, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	30 L	D	40
	<i>n</i> -Butyl isocyanate	3	UN2485	I	6.1, 3	1, A7, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	30 L	D	40
+	Butyl mercaptans	3	UN2347	II	3	A3, T8	150	202	242	5 L	60 L	D	26, 95
	<i>n</i> -Butyl methacrylate, inhibited	3	UN2227	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Butyl methyl ether	3	UN2350	II	3	T8	150	202	242	5 L	60 L	B	
	Butyl nitrites	3	UN2351	I	3	T8	150	201	243	1 L	30 L	E	40
	.....	.....	.....	II	3	T8	150	202	242	5 L	60 L	B	40
	.....	.....	.....	III	3	B1, T8	150	202	242	60 L	220 L	A	40
	<i>tert</i> -Butyl peroxyacetate, <i>more than 76% in solution</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>n</i> -Butyl peroxydicarbonate, <i>more than 52% in solution</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>tert</i> -Butyl peroxyisobutyrate, <i>more than 77% in solution</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Butyl phosphoric acid, see</i> Butyl acid phosphate	.....	.....		.....	.....				.....	.....	.....
	Butyl propionates	3	UN1914	III	3	B1,T1	150	203	242	60 L	220 L	A	
	5- <i>tert</i> -Butyl-2,4,6-trinitro-m- xylene <i>or</i> Musk xylene	4.1	UN2956	III	4.1,	.....	None	214	None	Forbidden	Forbidden	D	12
	Butyl vinyl ether, inhibited	3	UN2352	II	3	B101, T7	150	202	242	5 L	60 L	B	40
	Butyl acrylates, inhibited	3	UN2348	III	3	B1, T8, T31	150	203	242	60 L	220 L	A	
	<i>n</i> -Butylamine	3	UN1125	II	3, 8	B101, T8	None	202	242	1 L	5 L	B	40
	N-Butylaniline	6.1	UN2738	II	6.1	T8	None	202	243	5 L	60 L	A	
	tert- Butylcyclohexylchloro- formate	6.1	UN2747	III	6.1	T8	153	203	241	60 L	220 L	A	12, 13, 25
	Butylene <i>see also</i> Petroleum gases, liquefied	2.1	UN1012		2.1	19	None	304	314, 315	Forbidden	150 kg	E	40

Sym- bols (1)	Hazardous Materials Descriptions and Proper Shipping Names (2)	Hazard Class Or Division (3)	Identifica- tion Numbers (4)	PG (5)	Label Codes (6)	Special Provisions (7)	(8) Packaging (\$173.***)			(9) Quantity Limitations		(10) Vessel Stowage	
							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D	1,2-Butylene oxide, stabilized	3	UN3022	II	3	T8	150	202	242	5 L	60 L	B	49
	Butyltoluenes	6.1	UN2667	III	6.1	T2	153	203	241	60 L	220 L	A	
	Butyltrichlorosilane	8	UN1747	II	8, 3	A7, B2, B6, N34, T8, T26	None	202	243	Forbidden	30 L	C	40
	1,4-Butynediol	6.1	UN2716	III	6.1	A1	None	213	240	100 kg	200 kg	A	61, 70
	Butyraldehyde	3	UN1129	II	3	T8	150	202	242	5 L	60 L	B	
	Butyraldoxime	3	UN2840	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Butyric acid	8	UN2820	III	8	T1	154	203	241	5 L	60 L	A	12
	Butyric anhydride	8	UN2739	III	8	T2	154	203	241	5 L	60 L	A	
	Butyronitrile	3	UN2411	II	3, 6.1	T14	None	202	243	1 L	60 L	E	40
	Butyryl chloride	3	UN2353	II	3, 8	B100, T9, T26	None	202	243	1 L	5 L	C	40
	Cacodylic acid	6.1	UN1572	II	6.1	.....	None	212	242	25 kg	100 kg	E	26
	Cadmium compounds	6.1	UN2570	I	6.1	.....	None	211	242	5 kg	50 kg	A	
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Caesium hydroxide	8	UN2682	II	8	.....	154	212	240	15 kg	50 kg	A	
	Caesium hydroxide solution	8	UN2681	II	8	B2, T8	154	202	242	1 L	30 L	A	
	.....	.....	.....	III	8	T7	154	203	241	5 L	60 L	A	
	Calcium	4.3	UN1401	II	4.3	B101, B106	151	212	241	15 kg	50 kg	E	
	Calcium arsenate	6.1	UN1573	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Calcium arsenate and calcium arsenite, mixtures, solid	6.1	UN1574	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Calcium arsenite, solid	6.1	NA1574	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Calcium bisulfite solution, see Bisulfites, inorganic, aqueous solutions, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Calcium carbide	4.3	UN1402	I	4.3	A1, A8, B55, B59, B101, B106, N34	None	211	242	Forbidden	15 kg	B	
	.....	.....	.....	II	4.3	A1, A8, B55, B59, B101, B106, N34	151	212	241	15 kg	50 kg	B	
	Calcium chlorate	5.1	UN1452	II	5.1	N34	152	212	242	5 kg	25 kg	A	56, 58, 106
	Calcium chlorate aqueous solution	5.1	UN2429	II	5.1	A2, N41, T8	152	202	242	1 L	5 L	B	56, 58, 106
	.....	.....	.....	III	5.1	A2, N41, T8	152	203	241	2.5L	30 L	B	56, 68, 106
	Calcium chlorite	5.1	UN1453	II	5.1	A9, N34	152	212	242	5 kg	25 kg	A	56, 58, 106
	Calcium cyanamide with more than 0.1% of calcium carbide	4.3	UN1403	III	4.3	A1, A19, B105	151	213	241	25 kg	100 kg	A	
	Calcium cyanide	6.1	UN1575	I	6.1	N79, N80	None	211	242	5 kg	50 kg	A	26, 40
	Calcium dithionite or Calcium hydrosulfite	4.2	UN1923	II	4.2	A19, A20	None	212	241	15 kg	50 kg	E	13
	Calcium hydride	4.3	UN1404	I	4.3	A19, B100, N40	None	211	242	Forbidden	15 kg	E	
	Calcium hydrosulfite, see Calcium dithionite	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Calcium hypochlorite, dry or Calcium hypochlorite mixtures dry with more than 39% available chlorine (8.8% available oxygen)	5.1	UN1748	II	5.1	A7, A9, N34	152	212	None	5 kg	25 kg	D	48, 56, 58, 69, 106, 118
	Calcium hypochlorite, hydrated or Calcium hypo- chlorite, hydrated mixtures, with not less than 5.5% but not more than 10% water	5.1	UN2880	II	5.1	.....	152	212	240	5 kg	25 kg	A	50, 56, 58, 69, 106
	Calcium hypochlorite mixtures, dry, with more than 10% but not more than 39% available chlorine	5.1	UN2208	III	5.1	A1, A29, B103, N34	152	213	240	25 kg	100 kg	A	56, 58, 69, 106
	Calcium manganese silicon	4.3	UN2844	III	4.3	A1, A19, B105, B106	151	213	241	25 kg	100 kg	A	85, 103
A	Calcium nitrate	5.1	UN1454	III	5.1	34	152	213	240	25 kg	100 kg	A	
	Calcium oxide	8	UN1910	III	8	.....	154	213	240	25 kg	100 kg	A	
	Calcium perchlorate	5.1	UN1455	II	5.1	.....	152	212	242	5 kg	25 kg	A	56, 58, 106
	Calcium permanganate	5.1	UN1456	II	5.1	152	212	242	5 kg	25 kg	D	56, 58, 69, 106, 107
	Calcium peroxide	5.1	UN1457	II	5.1	152	212	242	5 kg	25 kg	A	13, 75, 106

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I	Calcium phosphide	4.3	UN1360	I	4.3, 6.1	A8, A19, B100, N40	None	211	242	Forbidden	15 kg	E	40, 85
	Calcium, pyrophoric <i>or</i> Calcium alloys, pyrophoric	4.2	UN1855	I	4.2	.....	None	187	None	Forbidden	Forbidden	D	
	Calcium resinate	4.1	UN1313	III	4.1	A1, A19	None	213	240	25 kg	100 kg	A	
	Calcium resinate, fused	4.1	UN1314	III	4.1	A1, A19	None	213	240	25 kg	100 kg	A	
	<i>Calcium selenate, see Selenates or Selenites</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Calcium silicide	4.3	UN1405	II	4.3	A19, B105, B106	151	212	241	15 kg	50 kg	B	85, 103
	.....	.....	.....	III	4.3	A1, A19	151	213	241	25 kg	100 kg	B	85, 103
	Camphor oil	3	UN1130	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Camphor, <i>synthetic</i>	4.1	UN2717	III	4.1	A1	None	213	240	25 kg	100 kg	A	
	<i>Cannon primers, see Primers, tubular</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Caproic acid	8	UN2829	III	8	T1	154	203	241	5 L	60 L	A	
	<i>Caps, blasting, see Detonators, etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Carbamate pesticides, liquid, flammable, toxic, <i>flash point less than 23°C</i>	3	UN2758	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	.....	.....	.....	II	3, 6.1	.....	None	202	243	1 L	60 L	B	40
	Carbamate pesticides, liquid, toxic	6.1	UN2992	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Carbamate pesticides, liquid, toxic, flammable, <i>flash point not less than 23°C</i>	6.1	UN2991	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	B1, T14	153	203	242	60 L	220 L	A	40
	Carbamate pesticides, solid, toxic	6.1	UN2757	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	<i>Carbolic acid, see Phenol, solid or Phenol, molten</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Carbolic acid solutions, see Phenol solutions</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
AW	Carbon, activated	4.2	UN1362	III	4.2	.....	None	213	241	0.5 kg	0.5 kg	A	12
	Carbon, <i>animal or vegetable origin</i>	4.2	UN1361	II	4.2	.....	None	212	242	Forbidden	Forbidden	A	12
	.....	.....	.....	III	4.2	.....	None	213	241	Forbidden	Forbidden	A	12
	<i>Carbon bisulfide, see Carbon disulfide</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Carbon dioxide	2.2	UN1013		2.2	.....	306	302, 304	302, 314, 315	75 kg	150 kg	A	
	Carbon dioxide and oxygen mixtures, compressed	2.2	UN1014		2.2, 5.1	77	306	304	314, 315	75 kg	150 kg	A	
	Carbon dioxide and nitrous oxide mixtures	2.2	UN1015		2.2	.....	306	None	314,315	75 kg	150 kg	A	
	Carbon dioxide, refrigerated liquid	2.2	UN2187		2.2	.....	306	None	314, 315	50 kg	500 kg	B	
	Carbon dioxide, solid <i>or</i> Dry ice	9	UN1845	III	None	.....	217	217	240	200 kg	200 kg	C	40
	Carbon disulfide	3	UN1131	I	3, 6.1	B16, T18, T26, T29	None	201	243	Forbidden	Forbidden	D	18, 40, 115 40
	Carbon monoxide, compressed	2.3	UN1016		2.3, 2.1	4	None	314, 315	None	Forbidden	25 kg	D	40
D	Carbon monoxide and hydrogen mixture, compressed	2.3	UN2600		2.3, 2.1	6	None	302	302	Forbidden	Forbidden	D	40
	Carbon monoxide, refrigerated liquid (<i>cryogenic liquid</i>)	2.3	NA9202		2.3, 2.1	4	None	316	318	Forbidden	Forbidden	D	
	Carbon tetrabromide	6.1	UN2516	III	6.1	.....	153	213	240	100 kg	200 kg	A	25
	Carbon tetrachloride	6.1	UN1846	II	6.1	N36, T8	None	202	243	5 L	60 L	A	40
	<i>Carbonyl chloride, see Phosgene</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Carbonyl fluoride, compressed	2.3	UN2417		2.3	2	None	302	None	Forbidden	Forbidden	D	40
	Carbonyl sulfide	2.3	UN2204		2.3, 2.1	3, B14	None	304	314, 315	Forbidden	25 kg	D	40
	<i>Cartridge cases, empty primed, see Cases, cartridge, empty, with primer</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Cartridges, actuating, for aircraft ejector seat catapult, fire extinguisher, canopy removal or apparatus, see Cartridges, power device</i>	

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D	<i>Cartridges, explosive, see</i> Charges, demolition	
	Cartridges, flash	1.1G	UN0049	II	1.1G	None	62	None	Forbidden	Forbidden	B	
	Cartridges, flash	1.3G	UN0050	II	1.3G	.....	None	62	None	Forbidden	75 kg	B	
	Cartridges for weapons, blank	1.1C	UN0326	II	1.1C	.....	None	62	None	Forbidden	Forbidden	B	
	Cartridges for weapons, blank	1.2C	UN0413	II	1.2C	.....	None	62	None	Forbidden	Forbidden	B	
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.3C	UN0327	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.4C	UN0338	II	1.4C	.....	None	62	None	Forbidden	75 kg	A	24E
	Cartridges for weapons, blank or Cartridges, small arms, blank	1.4S	UN0014	II	None	.....	63	62	None	25 kg	100 kg	A	
	Cartridges for weapons, inert projectile	1.2C	UN0328	II	1.2C	.....	None	62	None	Forbidden	Forbidden	B	
	Cartridges for weapons, inert projectile or Cartridges, small arms	1.4C	UN0339	II	1.4C	.....	None	62	None	Forbidden	75 kg	B	
	Cartridges for weapons, inert projectile or Cartridges, small arms	1.3C	UN0417	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	
	Cartridges for weapons, inert projectile or Cartridges, small arms,	1.4S	UN0012	II	None	.....	63	62	None	25 kg	100 kg	A	
	Cartridges for weapons, with bursting charge	1.1F	UN0005	II	1.1F	.....	None	62	None	Forbidden	Forbidden	E	
	Cartridges for weapons, with bursting charge	1.2F	UN0007	II	1.2F	.....	None	62	None	Forbidden	Forbidden	E	
	Cartridges for weapons, with bursting charge	1.4F	UN0348	II	1.4F	.....	None	62	None	Forbidden	Forbidden	E	
	Cartridges for weapons, with bursting charge	1.4E	UN0412	II	1.4E	.....	None	62	None	Forbidden	75 kg	A	24E
	Cartridges for weapons, with bursting charge	1.1E	UN0006	II	1.1E	.....	None	62	None	Forbidden	Forbidden	B	
	Cartridges for weapons, with bursting charge	1.2E	UN0321	II	1.2E	.....	None	62	None	Forbidden	Forbidden	B	
	Cartridges, oil well	1.3C	UN0277	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	
	Cartridges, oil well	1.4C	UN0278	II	1.4C	.....	None	62	None	Forbidden	75 kg	A	24E
	Cartridges, power device	1.3C	UN0275	II	1.3C	.....	None	62	None	Forbidden	75 kg	B	
	Cartridges, power device	1.4C	UN0276	II	1.4C	110	None	62	None	Forbidden	75 kg	A	24E
	Cartridges, power device	1.2C	UN0381	II	1.2C	.....	None	62	None	Forbidden	Forbidden	B	
	Cartridges, power device	1.4S	UN0323	II	1.4S	110	63	62	None	25 kg	100 kg	A	
	<i>Cartridges, safety, blank, see</i> Cartridges for weapons, blank (UN 0014)	.....	.....		.....	.....				.....	.....	.....
	<i>Cartridges, safety, see</i> Cartridges for weapons, other than blank or Cartridges, power device (UN 0323)	.....	.....		.....	.....				.....	.....	.....
	Cartridges, signal	1.3G	UN0054	II	1.3G	.....	None	62	None	Forbidden	75 kg	B	
	Cartridges, signal	1.4G	UN0312	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	Cartridges, signal	1.4S	UN0405	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	Cartridges, small arms	ORM-D	None		None	.....	63	None	None	30 kg gross	30 kg gross	A	
AW	<i>Cartridges, sporting, see</i> Cartridges for weapons, other than blank	.....	.....		.....	.....				.....	.....	.....
	<i>Cartridges, starter, jet engine, see</i> Cartridges, power device	.....	.....		.....	.....				.....	.....	.....
	Cases, cartridge, empty with primer	1.4S	UN0055	II	1.4S	50	None	62	None	25 kg	100 kg	A	
	Cases, cartridges, empty with primer	1.4C	UN0379	II	1.4C	.....	None	62	None	Forbidden	75 kg	A	24E
	Cases, combustible, empty, with- out primer	1.3C	UN0447	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	
	Cases, combustible, empty, with- out primer	1.4C	UN0446	II	1.4C	.....	None	62	None	Forbidden	75 kg	A	24E
	<i>Casinghead gasoline see</i> Natural gasoline	.....	.....		.....	.....				.....	.....	.....
	Castor beans or Castor meal or Castor pomace or Castor flake	9	UN2969	II	None	.....	155	204	240	No limit	No limit	E	34, 40
	Caustic alkali liquids, n.o.s.	8	UN1719	II	8	B2, T14	154	202	242	1 L	30 L	A	
 <i>Caustic potash, see</i> Potassium hydroxide etc.	III	8	T7	154	203	241	5 L	60 L	A	

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D	<i>Caustic soda, (etc.) see Sodium hydroxide etc.</i>	
	Cells, containing sodium	4.3	UN3292	II	4.3	189	189	189	25 kg	No limit	A	
	Celluloid, in block, rods, rolls, sheets, tubes, etc., except scrap	4.1	UN2000	III	4.1	.....	None	213	240	25 kg	100 kg	A	
	Celluloid, scrap	4.2	UN2002	III	4.2	.....	None	213	241	Forbidden	Forbidden	D	
	Cement, see Adhesives	.....	.....		.....	.....				.....	.....	.....
	containing flammable liquid												
	Cerium, slabs, ingots, or rods	4.1	UN1333	II	4.1	N34	None	212	240	15 kg	50 kg	A	74, 91
	Cerium, turnings or gritty powder	4.3	UN3078	II	4.3	A1, B106, B109	151	212	242	15 kg	50 kg	E	
	Cesium or Caesium	4.3	UN1407	I	4.3	A19, B100, N34, N40	None	211	242	Forbidden	15 kg	D	
	Cesium nitrate or Caesium- nitrate	5.1	UN1451	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Charcoal briquettes, shell, screenings, wood, etc.	4.2	NA1361	III	4.2	.....	151	213	240	25 kg	100 kg	A	12
	Charges, bursting, plastics bonded	1.1D	UN0457	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, bursting, plastics bonded	1.2D	UN0458	II	1.2D	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, bursting, plastics bonded	1.4D	UN0459	II	1.4D	.....	None	62	None	Forbidden	75kg	A	24E
	Charges, bursting, plastics bonded	1.4S	UN0460	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	Charges, demolition	1.1D	UN0048	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, depth	1.1D	UN0056	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	3E, 7E
	Charges, expelling, explosive, for fire extinguishers, see Cartridges, power device	.....	.....		.....	.....				.....	.....	.....
	Charges, explosive, commercial without detonator	1.1D	UN0442	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, explosive, commercial without detonator	1.2D	UN0443	II	1.2D	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, explosive, commercial without detonator	1.4D	UN0444	II	1.4D	.....	None	62	None	Forbidden	75 kg	A	24E
	Charges, explosive, commercial without detonator	1.4S	UN0445	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	Charges, propelling	1.1C	UN0271	II	1.1C	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, propelling	1.3C	UN0272	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, propelling	1.2C	UN0415	II	1.2C	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, propelling	1.4C	UN0491	II	1.4C	.....	None	62	None	Forbidden	75 kg	A	1E,5E
	Charges, propelling, for cannon	1.3C	UN0242	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Charges, propelling, for cannon	1.1C	UN0279	II	1.1C	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Charges, propelling, for rocket motors	1.1C	UN0271	II	1.1C	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, propelling, for rocket motors	1.3C	UN0272	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, propelling, for rocket motors	1.2C	UN0415	II	1.2C	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, shaped, commercial, without detonator	1.1D	UN0059	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, shaped, commercial without detonator	1.2D	UN0439	II	1.2D	.....	None	62	None	Forbidden	Forbidden	B	
	Charges, shaped, commercial without detonator	1.4D	UN0440	II	1.4D	.....	None	62	None	Forbidden	75 kg	A	24E
	Charges, shaped, commercial without detonator	1.4S	UN0441	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	Charges, shaped, flexible, linear	1.4D	UN0237	II	1.4D	.....	None	62	None	Forbidden	75 kg	A	24E
	Charges, shaped, flexible, linear	1.1D	UN0288	II	1.1D	101	None	62	None	Forbidden	Forbidden	B	
	Charges, supplementary explosive	1.1D	UN0060	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
D	Chemical kit	8	NA1760	II	8	.....	154	161	None	1 L	30 L	B	40
	Chemical kits or First aid kits (containing hazardous materials)	9	UN3316		9	15	None	None	None	10 kg	10 kg	A	
	Chloral, anhydrous, inhibited	6.1	UN2075	II	6.1	B101, T14	None	202	243	5 kg	60 kg	D	40
	Chlorate and borate mixtures	5.1	UN1458	II	5.1	A9, N34	152	212	240	5 kg	25 kg	A	56, 58, 106
	.....	.....	.....	III	5.1	A9, N34	152	213	240	25 kg	100 kg	A	56, 58, 106
	Chlorate and magnesium chlo- ride mixtures	5.1	UN1459	II	5.1	A9, N34, T8	152	212	240	5 kg	25 kg	A	56, 58, 106
	III	5.1	A9, N34, T8	152	213	240	25 kg	100 kg	A	56, 58, 106
	Chlorate of potash, see Potassium chlorate	

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D	<i>Chlorate of soda, see</i> Sodium chlorate	
	Chlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3210	II	5.1	T8	152	202	242	1 L	5 L	B	56,58, 106
	Chlorates, inorganic, n.o.s.	5.1	UN1461	II	5.1	A9, N34	152	212	242	5 kg	25 kg	A	56, 58, 106
	Chloric acid solution, <i>with not more than 10% chloric acid</i>	5.1	UN2626	I	5.1	T25	None	229	None	Forbidden	Forbidden	D	56, 58, 106
	<i>Chloride of phosphorus, see</i> Phosphorus trichloride	.....	.....		.....	.....				.....	.....	.....
	<i>Chloride of sulfur, see</i> Sulfur chloride	.....	.....		.....	.....				.....	.....	.....
	<i>Chlorinated lime, see</i> Calcium hypochlorite mixtures, etc.	.....	.....		.....	.....				.....	.....	.....
	Chlorine	2.3	UN1017		2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40, 51, 55, 62, 68, 89, 90
	<i>Chlorine azide</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Chlorine dioxide, hydrate, frozen	5.1	NA9191	II	5.1, 6.1	.....	None	229	None	Forbidden	Forbidden	E	
	<i>Chlorine dioxide (not hydrate)</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Chlorine pentafluoride	2.3	UN2548		2.3, 5.1, 8	1,B7, B9, B14	None	304	314	Forbidden	Forbidden	D	40, 89, 90
	Chlorine trifluoride	2.3	UN1749		2.3, 5.1, 8	2, B7, B9, B14	None	304	314	Forbidden	Forbidden	D	40, 89, 90
	Chlorite solution	8	UN1908	II	8	A3,A6, A7, B2, N34, T8	154	202	242	1 L	30 L	B	26
	.....	.....	.....	III	8	A3,A6, A7, B2, N34, T8	154	203	241	5 L	60 L	B	26
	Chlorites, inorganic, n.o.s.	5.1	UN1462	II	5.1	A7, N34	152	212	242	5 kg	25 kg	A	56, 58, 106
	1-Chloro-3-bromopropane	6.1	UN2688	III	6.1	T2	153	203	241	60 L	220 L	A	
	1-Chloro-1,1-difluoroethane <i>or</i> Refrigerant gas R142b	2.1	UN2517		2.1	.....	306	304	314,315	Forbidden	150 kg	B	40
	<i>1-Chloro-1,1-difluoroethane, see</i> Chlorodifluoroethanes	.....	.....		.....	.....				.....	.....	.....
	3-Chloro-4-methylphenylisocyanate	6.1	UN2236	II	6.1	.....	None	202	243	5 L	60 L	B	40
	1-Chloro-1,2,2,2-tetrafluoroethane <i>or</i> Refrigerant gas R124	2.2	UN1021		2.2	.....	306	304	314,315	75 kg	150 kg	A	
	4-Chloro-o-toluidine hydrochloride	6.1	UN1579	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	1-Chloro-2,2,2-trifluoroethane <i>or</i> Refrigerant gas R133a	2.2	UN1983		2.2	.....	306	304	314,315	75 kg	150 kg	A	
	Chloroacetic acid, molten	6.1	UN3250	II	6.1, 8	T9	None	202	243	Forbidden	Forbidden	C	40
	Chloroacetic acid, solid	6.1	UN1751	II	6.1, 8	A3, A7, N34	None	212	242	15 kg	50 kg	A	40
	Chloroacetic acid, solution	8	UN1750	II	8, 6.1	A7, N34, T9, T27	None	202	243	1 L	30 L	C	40
	Chloroacetone, stabilized	6.1	UN1695	I	6.1,3,8	2, B9, B14, B32, B74, N12, N32, N34, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	20, 40, 95
+	<i>Chloroacetone (unstabilized)</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Chloroacetonitrile	6.1	UN2668	II	6.1, 3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	60 L	A	12, 26, 40
	Chloroacetophenone (CN), liquid	6.1	UN1697	II	6.1	A3, N12, N32, N33	None	202	242	Forbidden	60 L	D	12, 40
	Chloroacetophenone (CN), solid	6.1	UN1697	II	6.1	A3, N12, N32, N33, N34	None	212	None	Forbidden	100 kg	D	12, 40
	Chloroacetyl chloride	6.1	UN1752	I	6.1, 8	2, A3, A6, A7, B3, B8, B9, B14, B32, B74, B77, N34, N43, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Chloroanilines, liquid	6.1	UN2019	II	6.1	T14	None	202	243	5 L	60 L	A	
	Chloroanilines, solid	6.1	UN2018	II	6.1	T14, T38	None	212	242	25 kg	100 kg	A	
	Chloroanisidines	6.1	UN2233	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Chlorobenzene	3	UN1134	III	3	B1, T1	150	203	242	60 L	220 L	A	
	<i>Chlorobenzol, see</i> Chlorobenzene	

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D	Chlorobenzotrifluorides	3	UN2234	III	3	B1, T1	150	203	242	60 L	220 L	A	40
	Chlorobenzylchlorides	6.1	UN2235	III	6.1	T8	153	203	241	60 L	220 L	A	
	Chlorobutanes	3	UN1127	II	3	B101, T8	150	202	242	5 L	60 L	B	
	Chlorocresols, <i>liquid</i>	6.1	UN2669	II	6.1	T8	None	202	243	5 L	60 L	A	12
	Chlorocresols, <i>solid</i>	6.1	UN2669	II	6.1	.....	None	212	242	25 kg	100 kg	A	12
	Chlorodifluorobromomethane <i>or</i> Refrigerant gas R 12B1	2.2	UN1974		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Chlorodifluoroethanes, <i>R142b or</i> Difluorochloroethanes, <i>R142b</i>	2.1	UN2517		2.1	.....	306	304	314, 315	Forbidden	150 kg	B	40
	Chlorodifluoromethane and chlo- ropentafluoroethane mixture <i>or</i> Refrigerant gas R 502 <i>with</i> <i>fixed boiling point, with</i> <i>approximately 49% chloro-</i> <i>difluoromethane</i>	2.2	UN1973		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Chlorodifluoromethane <i>or</i> Refrigerant gas R 22	2.2	UN1018		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Chlorodinitrobenzenes	6.1	UN1577	II	6.1	T14	None	212	242	25 kg	100 kg	A	91
	2-Chloroethanal	6.1	UN2232	I	6.1	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Chloroform	6.1	UN1888	III	6.1	N36, T14	153	203	241	5 L	60 L	A	40
	Chloroform	6.1	UN1888	III	6.1	N36, T14	153	203	241	5 L	60 L	A	40
	Chloroformates, toxic, corro- sive, flammable, n.o.s.	6.1	UN2742	II	6.1, 8, 3	5	None	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
+	Chloroformates, toxic, corro- sive, n.o.s.	6.1	UN3277	II	6.1, 8	T12, T26	None	202	243	1 L	30 L	A	12,13, 25,40
	Chloromethyl ethyl ether	3	UN2354	II	3, 6.1	T8	None	202	243	1 L	60 L	E	40
	Chloromethylchloroformate	6.1	UN2745	II	6.1, 8	T18	None	202	243	1 L	30 L	A	12, 13, 22, 25, 40, 48, 100
	Chloronitroanilines	6.1	UN2237	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Chloronitrobenzene, <i>ortho</i> , <i>liquid</i>	6.1	UN1578	II	6.1	T14	None	202	243	5 L	60 L	A	
	Chloronitrobenzenes <i>meta or</i> <i>para</i> , <i>solid</i>	6.1	UN1578	II	6.1	T14	None	212	242	25 kg	100 kg	A	
	Chloronitrotoluenes <i>liquid</i>	6.1	UN2433	III	6.1	.....	153	203	241	60 L	220 L	A	
	Chloronitrotoluenes, <i>solid</i>	6.1	UN2433	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Chloropentafluoroethane <i>or</i> Refrigerant gas R 115	2.2	UN1020		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Chlorophenates, liquid <i>or</i> Phenolates, liquid	8	UN2904	III	8	.....	154	203	241	5 L	60 L	A	
	Chlorophenates, solid <i>or</i> Phenolates, solid	8	UN2905	III	8	.....	154	213	240	25 kg	100 kg	A	
	Chlorophenols, liquid	6.1	UN2021	III	6.1	T7	153	203	241	60 L	220 L	A	
	Chlorophenols, solid	6.1	UN2020	III	6.1	T7	153	213	240	100 kg	200 kg	A	
	Chlorophenyltrichlorosilane	8	UN1753	II	8	A7, B2, B6, N34, T8, T26	None	202	242	Forbidden	30 L	C	40
D	Chloropicrin	6.1	UN1580	I	6.1	2, B7, B9, B14, B32, B46, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Chloropicrin and methyl bromide mixtures	2.3	UN1581		2.3	2, B9, B14	None	193	314, 315	Forbidden	Forbidden	D	25, 40
	Chloropicrin and methyl chlo- ride mixtures	2.3	UN1582		2.3	2	None	193	245	Forbidden	Forbidden	D	25, 40
	<i>Chloropicrin mixture, flamma- ble (pressure not exceeding</i> <i>14.7 psia at 115°F flash</i> <i>point below 100°F) see</i> <i>Toxic liquids, flammable,</i> <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Chloropicrin mixtures, n.o.s.	6.1	UN1583	I	6.1	5, B100	None	201	243	Forbidden	Forbidden	C	40
	.....	.....	.....	II	6.1		None	202	243	Forbidden	Forbidden	C	40
	.....	.....	.....	III	6.1		153	203	241	Forbidden	Forbidden	C	40
	Chloropivaloyl chloride	6.1	NA9263	I	6.1, 8	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	B	40
	Chloroplatinic acid, solid	8	UN2507	III	8	.....	154	213	240	25 kg	100 kg	A	
	Chloroprene, inhibited	3	UN1991	I	3, 6.1	B57, T15	None	201	243	Forbidden	30 L	D	40
	<i>Chloroprene, uninhibited</i>	Forbidden	

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+	2-Chloropropane	3	UN2356	I	3	N36, T14	150	201	243	1 L	30 L	E	
	3-Chloropropanol-1	6.1	UN2849	III	6.1	T8	153	203	241	60 L	220 L	A	
	2-Chloropropene	3	UN2456	I	3	A3, N36, T20	150	201	243	1 L	30 L	E	
	2-Chloropropionic acid	8	UN2511	III	8	T8	154	203	241	5 L	60 L	A	8
	2-Chloropyridine	6.1	UN2822	II	6.1	T14	None	202	243	5 L	60 L	A	40
	Chlorosilanes, corrosive, flam- mable, n.o.s.	8	UN2986	II	8, 3	B100, T18, T26	None	202	243	1 L	30 L	C	40
	Chlorosilanes, corrosive, n.o.s.	8	UN2987	II	8	B2, T8, T26	154	202	242	1 L	30 L	C	40
	Chlorosilanes, flammable, corrosive, n.o.s.	3	UN2985	II	3, 8	B100, T18, T26	None	201	243	1 L	5 L	B	40
	Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.	4.3	UN2988	I	4.3, 3, 8	A2, T24, T26	None	201	244	Forbidden	1 L	D	21, 28, 40, 49, 100
	Chlorosulfonic acid (<i>with or without sulfur trioxide</i>)	8	UN1754	I	8, 6.1	2, A3, A6, A10, B10, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	C	40
	Chlorotoluenes	3	UN2238	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Chlorotoluidines <i>liquid</i>	6.1	UN2239	III	6.1	T7	153	203	241	60 L	220 L	A	
	Chlorotoluidines <i>solid</i>	6.1	UN2239	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Chlorotrifluoromethane and trifluoromethane azeotropic mixture <i>or</i> Refrigerant gas R 503 <i>with approximately 60% chlorotrifluoromethane</i>	2.2	UN2599		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Chlorotrifluoromethane <i>or</i> Refrigerant gas R13	2.2	UN1022		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Chromic acid, solid	5.1	NA1463	II	5.1, 8	.....	None	212	242	5 kg	25 kg	A	
	Chromic acid solution	8	UN1755	II	8	B2, T9, T27	154	202	242	1 L	30 L	C	40
	.....	.....	.....	III	8	T8, T26	154	203	241	5 L	60 L	C	40
	<i>Chromic anhydride, see</i> Chro- mium trioxide, anhydrous	.....	.....			.....				.....	.....
	Chromic fluoride, solid	8	UN1756	II	8	.....	154	212	240	15 kg	50 kg	A	26
	Chromic fluoride, solution	8	UN1757	II	8	B2, T8	154	202	242	1 L	30 L	A	
	Chromium nitrate	5.1	UN2720	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Chromium oxychloride	8	UN1758	I	8	A3, A6, A7, B10, N34, T12, T26	None	201	243	0.5 L	2.5 L	C	40, 66, 74, 89, 90
	Chromium trioxide, anhydrous	5.1	UN1463	II	5.1, 8	B106	None	212	242	5 kg	25 kg	A	
	Chromosulfuric acid	8	UN2240	I	8	A3, A6, A7, B4, B6, N34, T12, T27	None	201	243	0.5	2.5 L	B	40, 66, 74, 89, 90
	<i>Chromyl chloride, see</i> Chro- mium oxychloride	.....	.....			.....				.....	.....
	<i>Cigar and cigarette lighters, charged with fuel, see</i> Light- ers for cigars, cigarettes, <i>etc.</i>	.....	.....			.....				.....	.....
	<i>Coal briquettes, hot</i>	Forbidden	.....			.....				.....	.....
D	Coal gas, compressed	2.3	UN1023		2.3, 2.1	3	None	302	314, 315	Forbidden	25 kg	D	40
	Coal tar distillates, flammable	3	UN1136	II	3	T8, T31	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	<i>Coal tar dye, corrosive, liquid, n.o.s. see</i> Dyes, liquid <i>or</i> solid, n.o.s. <i>or</i> Dye interme- diates, liquid <i>or</i> solid, n.o.s., <i>corrosive</i>	.....	.....			.....				.....	.....
	Coating solution (<i>includes surface treatments or coat- ings used for industrial or other purposes such as vehi- cle undercoating, drum or barrel lining</i>)	3	UN1139	I	3	T42	150	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	T7,T30	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1,T7,T30	150	203	242	60 L	220 L	A	
	Cobalt naphthenates, powder	4.1	UN2001	III	4.1	A19	151	213	240	25 kg	100 kg	A	
	Cobalt resinate, precipitated	4.1	UN1318	III	4.1	A1, A19	151	213	240	25 kg	100 kg	A	
	<i>Coke, hot</i>	Forbidden	.....			.....				.....	.....
	<i>Collodion, see</i> Nitrocellulose <i>etc.</i>	.....	.....			.....				.....	.....
	Combustible liquid, n.o.s.	Combusti- ble liquid	NA1993	III	None	T1	150	203	241	60 L	220 L	A	
	Components, explosive train, n.o.s.	1.2B	UN0382	II	1.2B	101	None	62	None	Forbidden	Forbidden	B	1E, 6E
	Components, explosive train, n.o.s.	1.4B	UN0383	II	1.4B	101	None	62	None	Forbidden	75 kg	A	24E

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D	Components, explosive train, n.o.s.	1.4S	UN0384	II	1.4S	101	None	62	None	25 kg	100 kg	A	
	Components, explosive train, n.o.s.	1.1B	UN0461	II	1.1B	101	None	62	None	Forbidden	Forbidden	B	1E, 6E
	<i>Composition B, see Hexolite, etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
D	Compounds, cleaning liquid	8	NA1760	I	8	A7, B10, T42	None	201	243	0.5	2.5 L	B	40
	.....	.....	.....	II	8	B2, N37, T14	154	202	242	1 L	30 L	B	40
	.....	.....	.....	III	8	N37, T7	154	203	241	5 L	60 L	A	40
D	Compounds, cleaning liquid	3	NA1993	I	3	T42	150	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	T8, T31	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, B52, T7, T30	150	203	242	60 L	220 L	A	
D	Compounds, tree killing, liquid <i>or</i> Compounds, weed killing, liquid	8	NA1760	I	8	A7, B10, T42	None	201	243	0.5	2.5 L	B	40
	.....	.....	.....	II	8	B2, N37, T14	154	202	242	1 L	30 L	B	40
	.....	.....	.....	III	8	N37, T7	154	203	241	5 L	60 L	A	40
D	Compounds, tree killing, liquid <i>or</i> Compounds, weed killing, liquid	6.1	NA2810	I	6.1	.....	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	.....	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	.....	153	203	241	60 L	220 L	A	40
D	Compounds, tree <i>or</i> weed kill- ing, liquid	6.1	NA2810	I	6.1	.....	153	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	.....	153	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	.....	153	203	241	60 L	220 L	A	40
I	Compressed gas, oxidizing, n.o.s.	2.2	UN3156		2.2, 5.1	.....	306	302	314, 315	75 kg	150 kg	D	
	Compressed gas, toxic, corro- sive, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3304		2.3, 8	1	None	192	245	Forbidden	Forbidden	D	40
	Compressed gas, toxic, corro- sive, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3304		2.3, 8	2	None	302, 305	314, 315	Forbidden	Forbidden	D	40
I	Compressed gas, toxic, corro- sive, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3304		2.3, 8	3	None	302, 305	314, 315	Forbidden	Forbidden	D	40
	Compressed gas, toxic, corro- sive, n.o.s. <i>Inhalation Hazard Zone D</i>	2.3	UN3304		2.3, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
	Compressed gas, toxic, flamm- able, corrosive, n.o.s. <i>Inha- lation Hazard Zone A</i>	2.3	UN3305		2.3, 2.1, 8	1	None	192	245	Forbidden	Forbidden	D	17, 40
I	Compressed gas, toxic, flamm- able, corrosive, n.o.s. <i>Inha- lation Hazard Zone B</i>	2.3	UN3305		2.3, 2.1, 8	2	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
	Compressed gas, toxic, flamm- able, corrosive, n.o.s. <i>Inha- lation Hazard Zone C</i>	2.3	UN3305		2.3, 2.1, 8	3	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
	Compressed gas, toxic, flamm- able, corrosive, n.o.s. <i>Inha- lation Hazard Zone D</i>	2.3	UN3305		2.3, 2.1, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	17, 40
I	Compressed gas, toxic, oxidiz- ing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone A</i>	2.3	UN3306		2.3, 5.1, 8	1	None	192	244	Forbidden	Forbidden	D	40, 89, 90
	Compressed gas, toxic, oxidiz- ing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone B</i>	2.3	UN3306		2.3, 5.1, 8	2	None	302, 305	314, 315	Forbidden	Forbidden	D	40, 89, 90
	Compressed gas, toxic, oxidiz- ing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone C</i>	2.3	UN3306		2.3, 5.1, 8	3	None	302, 305	314, 315	Forbidden	Forbidden	D	40, 89, 90
I	Compressed gas, toxic, oxidiz- ing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone D</i>	2.3	UN3306		2.3, 5.1, 8	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40, 89, 90
	Compressed gas, toxic, oxidiz- ing, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3303		2.3, 5.1	1	None	192	245	Forbidden	Forbidden	D	40
	Compressed gas, toxic, oxidiz- ing, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3303		2.3, 5.1	2	None	302, 305	314, 315	Forbidden	Forbidden	D	40
	Compressed gas, toxic, oxidiz- ing, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3303		2.3, 5.1	3	None	302, 305	314, 315	Forbidden	Forbidden	D	40
	Compressed gas, toxic, oxidiz- ing, 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

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D	Compressed gases, flammable, n.o.s.	2.1	UN1954		2.1	.....	306	302, 305	314, 315	Forbidden	150 kg	D	40
	Compressed gases, n.o.s.	2.2	UN1956		2.2	.....	306, 307	302, 305	314, 315	75 kg	150 kg	A	
	Compressed gases, toxic, flam- mable, n.o.s. <i>Inhalation</i> <i>hazard Zone A</i>	2.3	UN1953		2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40, 95
	Compressed gases, toxic, flam- mable, n.o.s. <i>Inhalation</i> <i>Hazard Zone B</i>	2.3	UN1953		2.3, 2.1	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
	Compressed gases, toxic, flam- mable, n.o.s. <i>Inhalation</i> <i>Hazard Zone C</i>	2.3	UN1953		2.3, 2.1	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
	Compressed gases, toxic, flam- mable, n.o.s. <i>Inhalation</i> <i>Hazard Zone D</i>	2.3	UN1953		2.3, 2.1	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
	Compressed gases, toxic, n.o.s. <i>Inhalation Hazard</i> <i>Zone A</i>	2.3	UN1955		2.3	1	None	192	245	Forbidden	Forbidden	D	40
	Compressed gases, toxic, n.o.s. <i>Inhalation Hazard</i> <i>Zone B</i>	2.3	UN1955		2.3	2, B9, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
	Compressed gases, toxic, n.o.s. <i>Inhalation Hazard</i> <i>Zone C</i>	2.3	UN1955		2.3	3, B14	None	302, 305	314, 315	Forbidden	Forbidden	D	40
	Compressed gases, toxic, n.o.s. <i>Inhalation Hazard</i> <i>Zone D</i>	2.3	UN1955		2.3	4	None	302, 305	314, 315	Forbidden	Forbidden	D	40
	Consumer commodity	ORM-D	None		None	.....	156, 306	156, 306	None	30 kg gross	30 kg gross	A	
	Contrivances, water-activated, <i>with burster, expelling charge</i> <i>or propelling charge</i>	1.2L	UN0248	II	1.2L	101	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Contrivances, water-activated, <i>with burster, expelling</i> <i>charge or propelling charge</i>	1.3L	UN0249	II	1.3L	101	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Copper acetoarsenite	6.1	UN1585	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	<i>Copper acetylde</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Copper amine azide</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Copper arsenite	6.1	UN1586	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Copper based pesticides, liquid, flammable, toxic <i>flash point</i> <i>less than 23°C</i>	3	UN2776	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	.....	.....	.....	II	3, 6.1	.....	None	202	243	1 L	60 L	B	40
	Copper based pesticides, liquid, toxic, n.o.s.	6.1	UN3010	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Copper based pesticides, liquid, toxic, flammable <i>flash point not less than</i> <i>23°C</i>	6.1	UN3009	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	B1, T14	153	203	241	60 L	220 L	A	40
	Copper based pesticides, solid, toxic, n.o.s.	6.1	UN2775	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
AW	Copper chlorate	5.1	UN2721	II	5.1	A1	152	212	242	5 kg	25 kg	A	56, 58, 106
	Copper chloride	8	UN2802	III	8	.....	154	213	240	25 kg	100 kg	A	
	Copper cyanide	6.1	UN1587	II	6.1	.....	None	204	242	25 kg	100 kg	A	26
	<i>Copper selenate, see Selenates</i> <i>or Selenites</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Copper selenite, see Selenates</i> <i>or Selenites</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Copper tetramine nitrate</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Copra	4.2	UN1363	III	4.2	.....	None	213	241	Forbidden	Forbidden	A	13, 19, 48, 119
	Cord, detonating, <i>flexible</i>	1.1D	UN0065	II	1.1D	102	63(a)	62	None	Forbidden	Forbidden	B	
	Cord, detonating, <i>flexible</i>	1.4D	UN0289	II	1.4D	.....	None	62	None	Forbidden	75 kg	A	24E
	Cord detonating <i>or</i> Fuse detonat- ing <i>metal clad</i>	1.2D	UN0102	II	1.2D	.....	None	62	None	Forbidden	Forbidden	B	
	Cord, detonating <i>or</i> Fuse, deto- nating <i>metal clad</i>	1.1D	UN0290	II	1.1D	None	62	None	Forbidden	Forbidden	B	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Cord, detonating, mild effect <i>or</i> Fuse, detonating, mild effect <i>metal clad</i>	1.4D	UN0104	II	1.4D	.....	None	62	None	Forbidden	75 kg	A	24E
	Cord, igniter	1.4G	UN0066	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	<i>Cordeau detonant fuse, see</i> Cord, detonating, <i>etc.</i> ; Cord, detonating, <i>flexible</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Cordite, see</i> Powder, smokeless	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Corrosive liquid, acidic, inor- ganic, n.o.s.	8	UN3264	I	8	B10	None	201	243	0.5 L	2.5 L	B	40
	.....	.....	.....	II	8	B2, T14	154	202	242	1 L	30 L	B	40
	.....	.....	.....	III	8	T7	154	203	241	5 L	60 L	A	40
	Corrosive liquid, acidic, organic, n.o.s.	8	UN3265	I	8	B10	None	201	243	0.5 L	2.5 L	B	40
	.....	.....	.....	II	8	B2, T14	154	202	242	1 L	30 L	B	40
	.....	.....	.....	III	8	T7	154	203	241	5 L	60 L	A	40
	Corrosive liquid, basic, inor- ganic, n.o.s.	8	UN3266	I	8	B10	None	201	243	0.5 L	2.5 L	B	40
	.....	.....	.....	II	8	B2, T14	154	202	242	1 L	30 L	B	40
	.....	.....	.....	III	8	T7	154	203	241	5 L	60 L	A	40
	Corrosive liquid, basic, organic, n.o.s.	8	UN3267	I	8	B10	None	201	243	0.5 L	2.5 L	B	40
	.....	.....	.....	II	8	B2, T14	154	202	242	1 L	30 L	B	40
	.....	.....	.....	III	8	T7	154	203	241	5 L	60 L	A	40
	Corrosive liquid, self-heating, n.o.s.	8	UN3301	I	8, 4.2	B10	None	201	243	0.5 L	2.5 L	D	40
	.....	.....	.....	II	8, 4.2	B2	154	202	242	1 L	30 L	D	.....
	Corrosive liquids, flammable, n.o.s.	8	UN2920	I	8, 3	B10, T42	None	201	243	0.5	2.5 L	C	25, 40
	.....	.....	.....	II	8, 3	B2, T15, T26	None	202	243	1 L	30 L	C	25, 40
	Corrosive liquids, n.o.s.	8	UN1760	I	8	A7, B10, T42	None	201	243	0.5	2.5 L	B	40
	.....	.....	.....	II	8	B2, T14	154	202	242	1 L	30 L	B	40
	.....	.....	.....	III	8	T7	154	203	241	5 L	60 L	A	40
	Corrosive liquids, oxidizing, n.o.s.	8	UN3093	I	8, 5.1	.....	None	201	243	Forbidden	2.5 L	C	89
	.....	.....	.....	II	8, 5.1	.....	None	202	243	1 L	30 L	C	89
	Corrosive liquids, toxic, n.o.s.	8	UN2922	I	8, 6.1	A7, B10, T18, T27	None	201	243	0.5	2.5 L	B	40
	.....	.....	.....	II	8, 6.1	B3, T18, T26	None	202	243	1 L	30 L	B	40
	.....	.....	.....	III	8, 6.1	T8	154	203	241	5 L	60 L	B	40
	Corrosive liquids, water-reac- tive, n.o.s.	8	UN3094	I	8, 4.3	.....	None	201	243	Forbidden	1 L	E	.....
	.....	.....	.....	II	8, 4.3	.....	None	202	243	1 L	5 L	E	.....
	Corrosive solid, acidic, inor- ganic, n.o.s.	8	UN3260	I	8	.....	None	211	242	1 kg	25 kg	B	.....
	.....	.....	.....	II	8	.....	154	212	240	15 kg	50 kg	B	.....
	.....	.....	.....	III	8	.....	154	213	240	25 kg	100 kg	A	.....
	Corrosive solid, acidic, organic, n.o.s.	8	UN3261	I	8	.....	None	211	242	1 kg	25 kg	B	.....
	.....	.....	.....	II	8	.....	154	212	240	15 kg	50 kg	B	.....
	.....	.....	.....	III	8	.....	154	213	240	25 kg	100 kg	A	.....
	Corrosive solid, basic, inorganic, n.o.s.	8	UN3262	I	8	.....	None	211	242	1 kg	25 kg	B	.....
	.....	.....	.....	II	8	.....	154	212	240	15 kg	50 kg	B	.....
	.....	.....	.....	III	8	.....	154	213	240	25 kg	100 kg	A	.....
	Corrosive solid, basic, organic, n.o.s.	8	UN3263	I	8	.....	None	211	242	1 kg	25 kg	B	.....
	.....	.....	.....	II	8	.....	154	212	240	15 kg	50 kg	B	.....
	.....	.....	.....	III	8	.....	154	213	240	25 kg	100 kg	A	.....
	Corrosive solids, flammable, n.o.s.	8	UN2921	I	8, 4.1	B106	None	211	242	1 kg	25 kg	B	12, 25
	.....	.....	.....	II	8, 4.1	.....	None	212	242	15 kg	50 kg	B	12, 25
	Corrosive solids, n.o.s.	8	UN1759	I	8	.....	None	211	242	1 kg	25 kg	B	.....
	.....	.....	.....	II	8	128	154	212	240	15 kg	50 kg	A	.....
	.....	.....	.....	III	8	128	154	213	240	25 kg	100 kg	A	.....
	Corrosive solids, oxidizing, n.o.s.	8	UN3084	I	8, 5.1	B100	None	211	242	1 kg	25 kg	C	.....
	.....	.....	.....	II	8, 5.1	B100	None	212	242	15 kg	50 kg	C	.....
	Corrosive solids, self-heating, n.o.s.	8	UN3095	I	8, 4.2	B100	None	211	243	1 kg	25 kg	C	.....
	.....	.....	.....	II	8, 4.2	.....	None	212	242	15 kg	50 kg	C	.....
	.....	.....	.....	I	8, 6.1	.....	None	211	242	1 kg	25 kg	B	40
	.....	.....	.....	II	8, 6.1	.....	None	212	240	15 kg	50 kg	B	40
	.....	.....	.....	III	8, 6.1	.....	154	213	240	25 kg	100 kg	B	40, 95
	Corrosive solids, water-reactive, n.o.s.	8	UN3096	I	8, 4.3	B105	None	211	243	1 kg	25 kg	D
	II	8, 4.3	B105	None	212	242	15 kg	50 kg	D

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DW	Cotton	9	NA1365		9	W41	None	None	None	No limit	No limit	A	
AIW	Cotton waste, oily	4.2	UN1364	III	4.2	N9	None	213	None	Forbidden	Forbidden	A	54
AIW	Cotton, wet	4.2	UN1365	III	4.2	.....	None	204	241	Forbidden	Forbidden	A	
	Coumarin derivative pesticides, liquid, flammable, toxic, <i>flash point not less than 23°C</i>	3	UN3024	I	3, 6.1	.....	None	201	243	Forbidden	Forbidden	B	40
	.....	.....	.....	II	3, 6.1	.....	None	202	243	1 L	60 L	B	40
	Coumarin derivative pesticides, liquid, toxic	6.1	UN3026	I	6.1	.....	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	.....	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	.....	153	203	241	60 L	220 L	A	40
	Coumarin derivative pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less than 23°C</i>	6.1	UN3025	I	6.1, 3	.....	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	.....	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	B1	153	203	241	60 L	220 L	A	40
	Coumarin derivative pesti- cides, solid, toxic	6.1	UN3027	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	Cresols	6.1	UN2076	II	6.1, 8	B110, T8	None	202	243	1 L	30 L	B	
	Cresylic acid	6.1	UN2022	II	6.1, 8	B110, T8	None	202	243	1 L	30 L	B	
	Crotonaldehyde, stabilized	6.1	UN1143	I	6.1, 3	2, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	30 L	B	40
	Crotonic acid <i>liquid</i>	8	UN2823	III	8	.....	154	203	241	5 L	60 L	A	12
	Crotonic acid, <i>solid</i>	8	UN2823	III	8	.....	154	213	240	25 kg	100 kg	A	12
	Crotonylene	3	UN1144	I	3	T20	150	201	243	1 L	30 L	E	
	Cupriethylenediamine solution	8	UN1761	II	8, 6.1	T8, T26	None	202	243	1 L	30 L	A	95
	.....	.....	.....	III	8, 6.1	T7	154	203	242	5 L	60 L	A	95
	Cutters, cable, explosive	1.4S	UN0070	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	<i>Cyanide or cyanide mixtures, dry, see Cyanides, inorganic, n.o.s.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Cyanide solutions, n.o.s.	6.1	UN1935	I	6.1	B37, T18, T26	None	201	243	1 L	30 L	B	40, 52
	.....	.....	.....	II	6.1	T18, T26	None	202	243	5 L	60 L	A	40, 52
	.....	.....	.....	III	6.1	T18, T26	153	203	241	60 L	220 L	A	40, 52
	Cyanides, inorganic, solid, n.o.s.	6.1	UN1588	I	6.1	N74, N75	None	211	242	5 kg	50 kg	A	52
	.....	.....	.....	II	6.1	N74, N75	None	212	242	25 kg	100 kg	A	52
	.....	.....	.....	III	6.1	N74, N75	153	203	240	100 kg	200 kg	A	52
	Cyanogen bromide	6.1	UN1889	I	6.1, 8	A6, A8	None	211	242	1 kg	15 kg	D	40
	Cyanogen chloride, inhibited	2.3	UN1589		2.3, 8	1	None	192	245	Forbidden	Forbidden	D	40
	Cyanogen	2.3	UN1026		2.3, 2.1	2	None	192	245	Forbidden	Forbidden	D	40
	Cyanuric chloride	8	UN2670	II	8	.....	None	212	240	15 kg	50 kg	A	12, 40
	<i>Cyanuric triazide</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Cyclobutane	2.1	UN2601		2.1	.....	306	304	314, 315	Forbidden	150 kg	B	40
	Cyclobutyl chloroformate	6.1	UN2744	II	6.1, 8, 3	T18	None	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100 40
	1,5,9-Cyclododecatriene	6.1	UN2518	III	6.1	T7	153	203	241	60 L	220 L	A	
	Cycloheptane	3	UN2241	II	3	T1	150	202	242	5 L	60 L	B	
	Cycloheptatriene	3	UN2603	II	3, 6.1	T14	None	202	243	1 L	60 L	E	40
	Cycloheptene	3	UN2242	II	3	B1, T7	150	202	242	5 L	60 L	B	
	Cyclohexane	3	UN1145	II	3	B101, T8	150	202	242	5 L	60 L	E	
	Cyclohexanone	3	UN1915	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Cyclohexene	3	UN2256	II	3	B101, T7	150	202	242	5 L	60 L	E	
	Cyclohexenyltrichlorosilane	8	UN1762	II	8	A7, B2, N34, T8, T26	None	202	242	Forbidden	30 L	C	40
	Cyclohexyl acetate	3	UN2243	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Cyclohexyl isocyanate	6.1	UN2488	I	6.1, 3	2, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	20, 40, 95
	Cyclohexyl mercaptan	3	UN3054	III	3	B1, T1	150	203	242	60 L	220 L	A	40, 95
	Cyclohexylamine	8	UN2357	II	8, 3	B101, T8, T26	None	202	243	1 L	30 L	A	40
	Cyclohexyltrichlorosilane	8	UN1763	II	8	A7, B2, N34, T8, T26	None	202	242	Forbidden	30 L	C	40
	Cyclonite and cyclotetramethy- lenetetranitramine mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Cyclonite and HMX mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Cyclonite and octogen mixtures, wetted <i>or</i> desensi- tized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensi- tized <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Cyclonite, <i>see</i> Cyclotrimethy- lenetrinitramine, <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Cyclooctadiene phosphines, <i>see</i> 9-Phosphabicyclo- nonanes	.....	.....		.....	.....				.....	.....	.....
	Cyclooctadienes	3	UN2520	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Cyclooctatetraene	3	UN2358	II	3	T8	150	202	242	5 L	60 L	B	
	Cyclopentane	3	UN1146	II	3	B101, T14	150	202	242	5 L	60 L	E	
	<i>Cyclopentane, methyl, see</i> Methyl cyclopentane	.....	.....		.....	.....				.....	.....	.....
	Cyclopentanol	3	UN2244	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Cyclopentanone	3	UN2245	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Cyclopentene	3	UN2246	II	3	B101, T13	150	202	242	5 L	60 L	E	
	Cyclopropane	2.1	UN1027		2.1	.....	306	304	314, 315	Forbidden	150 kg	E	40
	<i>Cyclotetramethylene tetranitra- mine (dry or unphlegmatized)</i> (HMX)	Forbidden	.....		.....	.....				.....	.....	.....
	Cyclotetramethylenetetranitra- mine, desensitized <i>or</i> Octogen, desensitized <i>or</i> HMX, desensi- tized	1.1D	UN0484	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Cyclotetramethylenetetranitra- mine, wetted <i>or</i> HMX, wetted <i>or</i> Octogen, wetted <i>with not</i> <i>less than 15% water, by mass</i>	1.1D	UN0226	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Cyclotrimethylenenitramine and octogen, mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Cyclotrimethylenetrinitramine and cyclotetramethylenetetra- nitramine mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Cyclotrimethylenetrinitramine and HMX mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Cyclotrimethylenetrinitramine, desensitized <i>or</i> Cyclonite, desensitized <i>or</i> Hexogen, desensitized <i>or</i> RDX, desensiti- zede.), desensitized	1.1D	UN0483	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Cyclotrimethylenetrinitramine, wetted <i>or</i> Cyclonite, wetted <i>or</i> Hexogen, wetted <i>or</i> RDX, wetted <i>with not less than 15%</i> <i>water by mass</i>	1.1D	UN0072	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Cymenes	3	UN2046	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Decaborane	4.1	UN1868	II	4.1, 6.1	A19, A20	None	212	None	Forbidden	50 kg	A	
	Decahydronaphthalene	3	UN1147	III	3	B1, T1	150	203	242	60 L	220 L	A	
	n-Decane	3	UN2247	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Deflagrating metal salts of aromatic nitroderivatives, n.o.s	1.3C	UN0132	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	<i>Delay electric igniter, see</i> Igniters	.....	.....		.....	.....				.....	.....	.....
D	Denatured alcohol	3	NA1987	II	3	T8, T31	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
D	Denatured alcohol	3	NA1986	I	3, 6.1	T8, T31	None	201	243	Forbidden	30 L	E	40
	.....	.....	.....	II	3, 6.1	T8, T31	150	202	243	1 L	60 L	E	40
	<i>Depth charges, see</i> Charges, depth	.....	.....		.....	.....				.....	.....	.....
	<i>Detonating relays, see</i> Detona- tors, <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....

Sym- bols (1)	Hazardous Materials Descriptions and Proper Shipping Names (2)	Hazard Class Or Division (3)	Identifica- tion Numbers (4)	PG (5)	Label Codes (6)	Special Provisions (7)	(8) Packaging (\$173.***)			(9) Quantity Limitations		(10) Vessel Stowage	
							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Detonator assemblies, non-electric <i>for blasting</i>	1.1B	UN0360	II	1.1B	.....	None	62	None	Forbidden	Forbidden	B	1E, 2E, 6E
	Detonator assemblies, non-electric, <i>for blasting</i>	1.4B	UN0361	II	1.4B	103	63(f), 63(g)	62	None	Forbidden	75 kg	A	24E
	Detonator assemblies, non-electric <i>for blasting</i>	1.4S	UN0500	II	1.4S	104	63(f), 63(g)	62	None	25 kg	100 kg	A	
	Detonators, electric, <i>for blasting</i>	1.1B	UN0030	II	1.1B	.....	63(f), 63(g)	62	None	Forbidden	Forbidden	B	2E, 6E
	Detonators, electric, <i>for blasting</i>	1.4B	UN0255	II	1.4B	103	63(f), 63(g)	62	None	Forbidden	75 kg	A	24E
	Detonators, electric <i>for blasting</i>	1.4S	UN0456	II	1.4S	104	63(f), 63(g)	62	None	25 kg	100 kg	A	
	Detonators for ammunition	1.1B	UN0073	II	1.1B	.....	None	62	None	Forbidden	Forbidden	B	2E, 6E
	Detonators for ammunition	1.2B	UN0364	II	1.2B	.....	None	62	None	Forbidden	Forbidden	B	2E, 6E
	Detonators for ammunition	1.4B	UN0365	II	1.4B	103	None	62	None	Forbidden	75 kg	A	24E
	Detonators for ammunition	1.4S	UN0366	II	1.4S	104	None	62	None	25 kg	100 kg	A	
	Detonators, non-electric, <i>for blasting</i>	1.1B	UN0029	II	1.1B	.....	None	62	None	Forbidden	Forbidden	B	2E, 6E
	Detonators, non-electric, <i>for blasting</i>	1.4B	UN0267	II	1.4B	103	63(f), 63(g)	62	None	Forbidden	75 kg	A	24E
	Detonators, non-electric <i>for blasting</i>	1.4S	UN0455	II	1.4S	104	63(f), 63(g)	62	None	25 kg	100 kg	A	
	Deuterium, compressed	2.1	UN1957		2.1	.....	306	302	None	Forbidden	150 kg	E	40
	Devices, small, hydrocarbon gas powered <i>or</i> hydrocarbon gas refills for small devices with release device	2.1	UN3150		2.1	.....	306	304		Forbidden	150 kg	B	40
	Di-n-amylamine	6.1	UN2841	III	3, 6.1	B1, T8	150	203	242	60 L	220 L	A	
	Di-n-butyl peroxydicarbonate, more than 52% in solution	Forbidden	.....		.....	.....				.....	.....	.....
	Di-n-butylamine	8	UN2248	II	8, 3	T8	None	202	243	1 L	30 L	A	
	2,2-Di-(tert-butylperoxy) butane, more than 55% in solution	Forbidden	.....		.....	.....				.....	.....	.....
	Di-(tert-butylperoxy) phthalate, more than 55% in solution	Forbidden	.....		.....	.....				.....	.....	.....
	2,2-Di-(4,4-di-tert-butylperoxycyclohexyl) propane, more than 42% with inert solid	Forbidden	.....		.....	.....				.....	.....	.....
	Di-2,4-dichlorobenzoyl peroxide, more than 75% with water	Forbidden	.....		.....	.....				.....	.....	.....
	1,2-Di-(dimethylamino) ethane	3	UN2372	II	3	T8	150	202	242	5 L	60 L	B	
	Di-2-ethylhexyl phosphoric acid, see Diisooctyl acid phosphate	.....	.....		.....	.....				.....	.....	.....
	Di-(1-hydroxytetrazole) (dry)	Forbidden	.....		.....	.....				.....	.....	.....
	Di-(1-naphthoyl) peroxide	Forbidden	.....		.....	.....				.....	.....	.....
	a,a'-Di-(nitroxy) methylether	Forbidden	.....		.....	.....				.....	.....	.....
	Di-(beta-nitroxyethyl) ammonium nitrate	Forbidden	.....		.....	.....				.....	.....	.....
	Diacetone alcohol	3	UN1148	II	3	T1	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Diacetone alcohol peroxides, more than 57% in solution with more than 9% hydrogen peroxide, less than 26% diacetone alcohol and less than 9% water; total active oxygen content more than 9% by mass	Forbidden	.....		.....	.....				.....	.....	.....
	Diacetyl, see Butanedione	.....	.....		.....	.....				.....	.....	.....
	Diacetyl peroxide, solid, or more than 25% in solution	Forbidden	.....		.....	.....				.....	.....	.....
	Diallylamine	3	UN2359	II	3	T8	None	202	243	1 L	5 L	B	21, 40, 100
	Diallylether	3	UN2360	II	3, 6.1	N12, T8	None	202	243	1 L	60 L	E	40
	4,4'-Diaminodiphenyl methane	6.1	UN2651	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	p-Diazidobenzene	Forbidden	.....		.....	.....				.....	.....	.....
	1,2-Diazidoethane	Forbidden	.....		.....	.....				.....	.....	.....
	1,1'-Diazoaminonaphthalene	Forbidden	.....		.....	.....				.....	.....	.....
	Diazoaminotetrazole (dry)	Forbidden	.....		.....	.....				.....	.....	.....
	Diazodinitrophenol (dry)	Forbidden	.....		.....	.....				.....	.....	.....

Sym- bols (1)	Hazardous Materials Descriptions and Proper Shipping Names (2)	Hazard Class Or Division (3)	Identifica- tion Numbers (4)	PG (5)	Label Codes (6)	Special Provisions (7)	(8) Packaging (\$173.***)			(9) Quantity Limitations		(10) Vessel Stowage	
							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D	Diazodinitrophenol, wetted <i>with not less than 40% water or mixture of alcohol and water, by mass</i>	1.1A	UN0074	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	E	2E, 6E
	<i>Diazodiphenylmethane</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Diazoniumnitrates (dry)</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Diazonium perchlorates (dry)</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>1,3-Diazopropane</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Dibenzyl peroxydicarbonate, more than 87% with water</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Dibenzylchlorosilane	8	UN2434	II	8	B2, T8, T26	154	202	242	1 L	30 L	C	40
	Diborane, compressed	2.3	UN1911		2.3, 2.1	1	None	302	None	Forbidden	Forbidden	D	40, 57
	Diborane mixtures	2.1	NA1911		2.1	5	None	302	245	Forbidden	Forbidden	D	40, 57
	<i>Dibromoacetylene</i>	Forbidden	.....		.....	.....				.....	.....	.....
A	1,2-Dibromobutan-3-one	6.1	UN2648	II	6.1	.....	None	202	243	5 L	60 L	B	40
	Dibromochloropropane	6.1	UN2872	III	6.1	T7	153	203	241	60 L	220 L	A	
	Dibromodifluoromethane, <i>R12B2</i>	9	UN1941	III	None	T22	155	203	241	100 L	220 L	A	25
	<i>1,2-Dibromoethane, see Ethyl-ene dibromide</i>	.....	.....		.....	.....				.....	.....	.....
	Dibromomethane	6.1	UN2664	III	6.1	T7	153	203	241	60 L	220 L	A	
	Dibutyl ethers	3	UN1149	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Dibutylaminoethanol	6.1	UN2873	III	6.1	T1	153	203	241	60 L	220 L	A	
	<i>N,N'-Dichlorazodicarbonamidine (salts of)(dry)</i>	Forbidden	.....		.....	.....				.....	.....	.....
	1,1-Dichloro-1-nitroethane	6.1	UN2650	II	6.1	T8	None	202	243	5 L	60 L	A	12, 40
	3,5-Dichloro-2,4,6-trifluoropyridine	6.1	NA9264	I	6.1	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	A	40, 95
D	Dichloroacetic acid	8	UN1764	II	8	A3, A6, A7, B2, N34, T9, T27	154	202	242	1 L	30 L	A	
	1,3-Dichloroacetone	6.1	UN2649	II	6.1	.....	None	212	243	25 kg	100 kg	B	12, 40
	Dichloroacetyl chloride	8	UN1765	II	8	A3, A6, A7, B2, B6, N34, T8, T26	154	202	242	1 L	30 L	D	40
	<i>Dichloroacetylene</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Dichloroanilines, liquid	6.1	UN1590	II	6.1	T14	None	202	243	5 L	60 L	A	40
	Dichloroanilines, solid	6.1	UN1590	II	6.1	T14	None	212	242	25 kg	100 kg	A	40
	o-Dichlorobenzene	6.1	UN1591	III	6.1	T7	153	203	241	60 L	220 L	A	
	Dichlorobutene	8	NA2920	I	8, 3	.....	None	201	243	0.5 L	2.5 L	C	12, 21, 25, 40, 48
	2,2'-Dichlorodiethyl ether	6.1	UN1916	II	6.1, 3	N33, N34, T8	None	202	243	5 L	60 L	A	
	Dichlorodifluoromethane and difluoroethane azeotropic mixture <i>or</i> Refrigerant gas R 500 <i>with approximately 74% dichlorodifluoromethane</i>	2.2	UN2602		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
D	Dichlorodifluoromethane <i>or</i> Refrigerant gas R 12	2.2	UN1028		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Dichlorodimethyl ether, symmetrical	6.1	UN2249	I	6.1	T25	None	201	243	Forbidden	Forbidden	D	40
	1,1-Dichloroethane	3	UN2362	II	3	B101, T7	150	202	242	5 L	60 L	B	40
	<i>1,2-Dichloroethane, see Ethyl-ene dichloride</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Dichloroethyl sulfide</i>	Forbidden	.....		.....	.....				.....	.....	.....
	1,2-Dichloroethylene	3	UN1150	II	3	T14	150	202	242	5 L	60 L	B	
	Dichlorofluoromethane <i>or</i> Refrigerant gas R 21	2.2	UN1029		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Dichloroisocyanuric acid, dry <i>or</i> Dichloroisocyanuric acid salts	5.1	UN2465	II	5.1	28	152	212	240	5 kg	25 kg	A	13
	Dichloroisopropyl ether	6.1	UN2490	II	6.1	T8	None	202	243	5 L	60 L	B	
	Dichloromethane	6.1	UN1593	III	6.1	N36, T13	153	203	241	60 L	220 L	A	
D	Dichloropentanes	3	UN1152	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Dichlorophenyl isocyanates	6.1	UN2250	II	6.1	.....	None	212	242	25 kg	100 kg	A	25, 40, 48
	Dichlorophenyltrichlorosilane	8	UN1766	II	8	A7, B2, B6, N34, T8, T26	None	202	242	Forbidden	30 L	C	40

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D D	1,2-Dichloropropane	3	UN1279	II	3	N36,T1	150	202	242	5 L	60 L	B	12, 40
	1,3-Dichloropropanol-2	6.1	UN2750	II	6.1	T8	None	202	243	5 L	60 L	A	
	Dichloropropenes	3	UN2047	II	3	T8	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T8	150	203	242	60 L	220 L	A	
	<i>Dichloropropene and propyl- ene dichloride mixture, see Propylene dichloride</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dichlorosilane	2.3	UN2189	2.3, 2.1, 8 2.2	2, B9, B14	.....	None 306	304 304	314, 315 314, 315	Forbidden 75 kg	Forbidden 150 kg	D A	17, 40
	1,2-Dichloro-1,1,2,2- Tetrafluoroethane <i>or</i> Refriger- ant gas R 114	2.2	UN1958										
	<i>Dichlorovinylchloroarsine</i>	Forbidden	.....									
	Dicycloheptadiene, <i>see</i> 2,5-Norb- ornadiene	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dicyclohexylamine	8	UN2565	III	8	T8	154	203	241	5 L	60 L	A	48
	Dicyclohexylammonium nitrite	4.1	UN2687	III	4.1	.....	151	213	240	25 kg	100 kg	A	
	Dicyclopentadiene	3	UN2048	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Didymium nitrate	5.1	UN1465	III	5.1	A1	152	213	240	25 kg	100 kg	A	40
	Dieldrin	6.1	NA2761	II	6.1	.....	None	212	242	0.5 kg	5 kg	A	
	Diesel fuel	3	NA1993	III	None	B1	150	203	242	60 L	220 L	A	
	<i>Diethanol nitrosamine dini- trate (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Diethoxymethane	3	UN2373	II	3	T8	150	202	242	5 L	60 L	E	40
	3,3-Diethoxypropene	3	UN2374	II	3	T1	150	202	242	5 L	60 L	B	
	N,N-Diethyl aniline	6.1	UN2432	III	6.1	T2	153	203	241	60 L	220 L	A	
	Diethyl carbonate	3	UN2366	III	3	B1, T1	150	203	242	60 L	220 L	A	
	<i>Diethyl cellosolve, see Ethyl- eneglycol diethyl ether</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Diethyl ether <i>or</i> Ethyl ether	3	UN1155	I	3	T21	150	201	243	1 L	30 L	E	40
	Diethyl ketone	3	UN1156	II	3	T1	150	202	242	5 L	60 L	B	
	<i>Diethyl peroxydicarbonate, more than 27% in solution</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Diethyl sulfate	6.1	UN1594	II	6.1	B101, T14	None	202	243	5 L	60 L	C	40
	Diethyl sulfide	3	UN2375	II	3	B101, T14	None	202	243	1 L	60 L	E	
	Diethylamine	3	UN1154	II	3, 8	B101, N34, T8	None	202	243	1 L	5 L	E	
	2-Diethylaminoethanol	8	UN2686	II	8,3	B2,T15, T26	None	202	243	1 L	30 L	A	
	Diethylaminopropylamine	8	UN2684	III	3, 8	B1, T8	150	203	242	5 L	60 L	A	40
	Diethylbenzene	3	UN2049	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Diethyldichlorosilane	8	UN1767	II	8, 3	A7, B6, B200, N34, T8, T26	None	202	243	Forbidden	30 L	C	
	<i>Diethylene glycol dinitrate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Diethyleneglycol dinitrate, desensitized with not less than 25% non-volatile water-insoluble phlegma- tizer, by mass	1.1D	UN0075	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 4E, 21E
	Diethylenetriamine	8	UN2079	II	8	B2, T8	154	202	242	1 L	30 L	A	40
	N,N-Diethylethylenediamine	8	UN2685	II	8, 3	T8	None	202	243	1 L	30 L	A	
	<i>Diethylgold bromide</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Diethylthiophosphoryl chloride	8	UN2751	II	8	B2, T8	None	212	240	15 kg	50 kg	C	40
	Diethylzinc	4.2	UN1366	I	4.2	B11, T28, T40	None	181	244	Forbidden	Forbidden	D	18
	<i>Difluorochloroethanes, see 1- Chloro-1,1-difluoroethanes</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1,1-Difluoroethane <i>or</i> Refriger- ant gas R 152a	2.1	UN1030	2.1	2.1	.....	306	304	314, 315	Forbidden	150 kg	B	40
	1,1-Difluoroethylene <i>or</i> Refriger- ant gas R 1132a	2.1	UN1959										40
	Difluoromethane <i>or</i> Refrigerant gas R 32	2.1	UN3252										40
	Difluorophosphoric acid, anhydrous	8	UN1768	II	8	A6, A7, B2, N5, N34, T9, T27	None	202	242	1 L	30 L	A	40
	2,3-Dihydropyran	3	UN2376	II	3	T7	150	202	242	5 L	60 L	B	40
	<i>1,8-Dihydroxy-2,4,5,7- tetranitroanthraquinone (chrysamminic acid)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Diiodoacetylene</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Diisobutyl ketone	3	UN1157	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Diisobutylamine	3	UN2361	III	3, 8	B1, T1	150	203	242	5 L	60 L	A	40
	Diisobutylene, isomeric compounds	3	UN2050	II	3	T1	150	202	242	5 L	60 L	B	

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+	Diisooctyl acid phosphate	8	UN1902	III	8	T7	154	203	241	5 L	60 L	A	40
	Diisopropyl ether	3	UN1159	II	3	B101, T8	150	202	242	5 L	60 L	E	
	Diisopropylamine	3	UN1158	II	3, 8	B101, T8	None	202	243	1 L	5 L	B	
	<i>Diisopropylbenzene hydroperoxide, more than 72% in solution</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40, 49
	Diketene, inhibited	6.1	UN2521	I	6.1, 3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	
	1,1-Dimethoxyethane	3	UN2377	II	3	T13	150	202	242	5 L	60 L	B	
	1,2-Dimethoxyethane	3	UN2252	II	3	T1	150	202	242	5 L	60 L	B	25
	2-Dimethylaminoethyl acrylate	6.1	UN3302	II	6.1	T8	None	202	243	5 L	60 L	D	
	Dimethyl carbonate	3	UN1161	II	3	T8	150	202	242	5 L	60 L	B	
	<i>Dimethyl chlorothiophosphate, see Dimethyl thiophosphoryl chloride</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40
	<i>2,5-Dimethyl-2,5-dihydroperoxy hexane, more than 82% with water</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dimethyl disulfide	3	UN2381	II	3	T8	150	202	242	5 L	60 L	B	
	Dimethyl ether	2.1	UN1033	.....	2.1	.....	306	304	314, 315	Forbidden	150 kg	B	40
	Dimethyl-N-propylamine	3	UN2266	II	3, 8	T14, T26	None	202	243	1 L	5 L	B	40
	Dimethyl sulfate	6.1	UN1595	I	6.1, 8	2, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Dimethyl sulfide	3	UN1164	II	3	B100, T14	None	202	242	5 L	60 L	E	40
	Dimethyl thiophosphoryl chloride	6.1	UN2267	II	6.1, 8	T7	None	202	243	1 L	30 L	B	25
	Dimethylamine, anhydrous	2.1	UN1032	.....	2.1	.....	None	304	314, 315	Forbidden	150 kg	D	40
	Dimethylamine solution	3	UN1160	II	3, 8	T8, T34	None	202	243	1 L	5 L	B	26, 40
	2-Dimethylaminoacetonitrile	3	UN2378	II	3, 6.1	T8	None	202	243	1 L	60 L	A	
	2-Dimethylaminoethanol	8	UN2051	II	8, 3	B2, T8	154	202	243	1 L	30 L	A	
	2-Dimethylaminoethyl methacrylate	6.1	UN2522	II	6.1	T8	None	202	243	5 L	60 L	B	40
	N,N-Dimethylaniline	6.1	UN2253	II	6.1	T8	None	202	243	5 L	60 L	A	40
	2,3-Dimethylbutane	3	UN2457	II	3	T13	150	202	242	5 L	60 L	E	
	1,3-Dimethylbutylamine	3	UN2379	II	3, 8	T8	None	202	243	1 L	5 L	B	
	Dimethylcarbamoyl chloride	8	UN2262	II	8	B2, T8	154	202	242	1 L	30 L	A	40
	Dimethylcyclohexanes	3	UN2263	II	3	T1	150	202	242	5 L	60 L	B	
	Dimethylcyclohexylamine	8	UN2264	II	8, 3	B2, T8	154	202	243	1 L	30 L	A	40
	Dimethyldichlorosilane	3	UN1162	I	3, 8	B77, T15, T26	None	202	243	Forbidden	Forbidden	B	40
	Dimethyldiethoxysilane	3	UN2380	II	3	T8	150	202	242	5 L	60 L	B	40
	Dimethyldioxanes	3	UN2707	II	3	T8, T31	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	N,N-Dimethylformamide	3	UN2265	III	3	B1, T1	150	203	242	60 L	220 L	A	40
	<i>Dimethylhexane dihydroperoxide (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dimethylhydrazine, symmetrical	3	UN2382	I	3, 6.1	2, A7, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	
	Dimethylhydrazine, unsymmetrical	6.1	UN1163	I	6.1, 3, 8	2, B7, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	21, 38, 40, 100
	2,2-Dimethylpropane	2.1	UN2044	.....	2.1	.....	306	304	314, 315	Forbidden	150 kg	E	40
	Dimethylzinc	4.2	UN1370	I	4.2	B11, B16, T28, T29, T40	None	181	244	Forbidden	Forbidden	D	18
	Dinitro-o-cresol, <i>solid</i>	6.1	UN1598	II	6.1	T14	None	212	242	25 kg	100 kg	A	40
	Dinitro-o-cresol, <i>solution</i>	6.1	UN1598	II	6.1	T14	None	202	243	5 L	60 L	A	
	<i>1,3-Dinitro-5,5-dimethyl hydantoin</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Dinitro-7,8-dimethylglycoluril (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40
	<i>1,3-Dinitro-4,5-dinitrosobenzene</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>1,4-Dinitro-1,1,4,4-tetramethylolbutanetetranitrate (dry)</i>	Forbidden	
	<i>2,4-Dinitro-1,3,5-trimethylbenzene</i>	Forbidden	40
	
	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Dinitroanilines	6.1	UN1596	II	6.1	T14	None	212	242	25 kg	100 kg	A	91
	Dinitrobenzenes, <i>liquid</i>	6.1	UN1597	II	6.1	11, T14	None	202	243	5 L	60 L	A	91
	Dinitrobenzenes, <i>solid</i>	6.1	UN1597	II	6.1	11	None	212	242	25 kg	100 kg	A	91
	Dinitrochlorobenzene, <i>see</i> 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	None	336	314	Forbidden	Forbidden	D	40, 89, 90
	Dinitroglycoluril or Dingu	1.1D	UN0489	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Dinitromethane	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dinitrophenol, dry or wetted with less than 15% water, by mass	1.1D	UN0076	II	1.1D, 6.1	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Dinitrophenol solutions	6.1	UN1599	II	6.1	T8	None	202	243	5 L	60 L	A	36
	Dinitrophenol, wetted with not less than 15% water, by mass	4.1	UN1320	III	6.1	T7	153	203	241	60 L	220 L	A	36
	Dinitrophenolates alkali metals, dry or wetted with less than 15% water, by mass	.....	.....	I	4.1, 6.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36
	Dinitrophenolates, wetted with not less than 15% water, by mass	1.3C	UN0077	II	1.3C, 6.1	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Dinitrophenolates, wetted with not less than 15% water, by mass	4.1	UN1321	I	4.1, 6.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36
	Dinitropropylene glycol	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dinitroresorcinol, dry or wetted with less than 15% water, by mass	1.1D	UN0078	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	4,6-Dinitroresorcinol (heavy metal salts of) (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2,4-Dinitroresorcinol (heavy metal salts of) (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dinitroresorcinol, wetted with not less than 15% water, by mass	4.1	UN1322	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36
	3,5-Dinitrosalicylic acid (lead salt) (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dinitrosobenzene	1.3C	UN0406	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Dinitrosobenzylamide and salts of (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2,2-Dinitrostilbene	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dinitrotoluenes, <i>liquid</i>	6.1	UN2038	II	6.1	T8	None	202	243	5 L	60 L	A	.....
	Dinitrotoluenes, molten	6.1	UN1600	II	6.1	B100, T14	None	202	243	Forbidden	Forbidden	C	.....
	Dinitrotoluenes, <i>solid</i>	6.1	UN2038	II	6.1	T8	None	212	242	25 kg	100 kg	A	.....
	1,9-Dinitroxy pentamethylene- 2,4, 6,8-tetramine (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dioxane	3	UN1165	II	3	T8	150	202	242	5 L	60 L	B	.....
	Dioxolane	3	UN1166	II	3	T8	150	202	242	5 L	60 L	B	40
	Dipentene	3	UN2052	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	Diphenylamine chloroarsine	6.1	UN1698	I	6.1	.....	None	201	None	Forbidden	Forbidden	D	40
	Diphenylchloroarsine, liquid	6.1	UN1699	I	6.1	A8, B14, B32, N33, N34	None	201	243	Forbidden	30 L	D40	.....
	Diphenylchloroarsine, solid	6.1	UN1699	I	6.1	A8, B14, B32, N33, N34	None	211	242	Forbidden	15 kg	D40	.....
	Diphenyldichlorosilane	8	UN1769	II	8	A7, B2, N34, T8, T26	None	202	242	Forbidden	30 L	C	40
	Diphenylmethyl bromide	8	UN1770	II	8	.....	154	212	240	15 kg	50 kg	D	40
	Dipicryl sulfide, dry or wetted with less than 10% water, by mass	1.1D	UN0401	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Dipicryl sulfide, wetted with not less than 10% water, by mass	4.1	UN2852	I	4.1	A2, N41	None	211	None	Forbidden	0.5 kg	D	28
	Dipicrylamine, <i>see</i> Hexanitrod- iphenylamine	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dipropionyl peroxide, more than 28% in solution	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Di-n-propyl ether	3	UN2384	II	3	T1	150	202	242	5 L	60 L	B	.....
	Dipropyl ketone	3	UN2710	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	Dipropylamine	3	UN2383	II	3	T8	150	202	242	5 L	60 L	B	.....
	Disinfectant, liquid, corrosive, n.o.s.	8	UN1903	I	8	A7, B10, T42	None	201	243	0.5 L	2.5 L	B	.....
	Disinfectants, liquid, corrosive n.o.s.	8	UN1903	II	8	B2	154	202	242	1 L	30 L	B
	III	8	154	203	241	5 L	60 L	A

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D	Disinfectants, liquid, toxic, n.o.s.	6.1	UN3142	I	6.1	A4, T42	None	201	243	1 L	30 L	A	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	A	40
	.....	.....	.....	III	6.1	T7	153	203	241	60 L	220 L	A	40
	Disinfectants, solid, toxic, n.o.s.	6.1	UN1601	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	Disodium trioxosilicate	8	UN3253	III	8	.....	154	213	240	25 kg	100 kg	A	.....
	Dispersant gases, n.o.s. <i>see</i> Refrigerant gases, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dithiocarbamate pesticides, liquid, flammable, toxic, <i>flash</i> <i>point less than 23°C</i>	3	UN2772	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	.....	.....	.....	II	3, 6.1	.....	None	202	243	1 L	60 L	B	40
	Dithiocarbamate pesticides, liquid, toxic	6.1	UN3006	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	.....	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Dithiocarbamate pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less</i> <i>than 23°C</i>	6.1	UN3005	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	T14	153	203	242	60 L	220 L	A	40
	Dithiocarbamate pesticides, solid, toxic	6.1	UN2771	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	Divinyl ether, inhibited	3	UN1167	I	3	T14	None	201	243	1 L	60 L	E	40
	Dodecylbenzenesulfonic acid	8	NA2584	II	8	B2	154	202	242	1 L	30 L	B	9
	Dodecyltrichlorosilane	8	UN1771	II	8	A7, B2, B6, N34, T8, T26	None	202	242	Forbidden	30 L	C	40

	Dry ice, <i>see</i> Carbon dioxide, solid	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Dyes, liquid, corrosive n.o.s. <i>or</i> Dye intermediates, liquid, corrosive, n.o.s.	8	UN2801	I	8	11, B10	None	201	243	0.5 L	2.5 L	A	.....
	.....	.....	.....	II	8	11, B2, T14	154	202	242	1 L	30 L	A	.....
	.....	.....	.....	III	8	11, T7	154	203	241	5 L	60 L	A	.....
	Dyes, liquid, toxic, n.o.s. <i>or</i> Dye intermediates, liquid, toxic, n.o.s.	6.1	UN1602	II	6.1	.....	None	202	243	5 L	60 L	A	.....
	.....	.....	.....	III	6.1	.....	153	203	241	60 L	220 L	A	.....
	Dyes, solid, corrosive, n.o.s. <i>or</i> Dye intermediates, solid, corrosive, n.o.s.	8	UN3147	II	8	.....	154	212	240	15kg	50 kg	A	.....
	.....	.....	.....	III	8	.....	154	213	240	25 kg	100 kg	A	.....
	Dyes, solid, toxic, n.o.s. <i>or</i> Dye intermediates, solid, toxic, n.o.s.	6.1	UN3143	I	6.1	A5	None	211	242	5 kg	50 kg	A	.....
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	.....
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	.....
	Dynamite, <i>see</i> Explosive, blast- ing, type A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Electrolyte (acid or alkali) for batteries, <i>see</i> Battery fluid, acid <i>or</i> Battery fluid, alkali	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Elevated temperature liquid, flammable, n.o.s., <i>with flash</i> <i>point above 37.8 C, at or</i> <i>above its flash point</i>	3	UN3256	III	3	T1	None	None	247	Forbidden	Forbidden	A	.....
	Elevated temperature liquid, n.o.s., <i>at or above 100 C</i> <i>and below its flash point</i>	9	UN3257	III	9	T1	None	None	247	Forbidden	Forbidden	A	85
	Elevated temperature solid, n.o.s., <i>at or above 240 C,</i> <i>see section 173.247(h)(4)</i>	9	UN3258	III	9	.....	247(h) (4)	None	247	Forbidden	Forbidden	A	85
	Engines, internal combustion, <i>including when fitted in</i> <i>machinery or vehicles</i>	9	UN3166	.....	9	.....	220	220	None	Forbidden	No limit	A	.....
	Environmentally hazardous substances, liquid, n.o.s.	9	UN3082	III	9	8, T1	155	203	241	None	None	A	.....
	Environmentally hazardous substances, solid, n.o.s.	9	UN3077	III	9	8, B54	155	213	240	None	None	A

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D	Epibromohydrin	6.1	UN2558	I	6.1, 3	T18, T26	None	201	243	Forbidden	Forbidden	D	40
	Epichlorohydrin	6.1	UN2023	II	6.1, 3	T14	None	202	243	5 L	60 L	A	40
	1,2-Epoxy-3-ethoxypropane	3	UN2752	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Esters, n.o.s.	3	UN3272	II	3	T8	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7	150	203	242	60 L	220 L	A	
	<i>Etching acid, liquid, n.o.s., see</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrofluoric acid, solution	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ethane	2.1	UN1035	.....	2.1	.....	306	304	302	Forbidden	150 kg	E	40
	Ethane-Propane mixture, refriger- ated liquid	2.1	NA1961	.....	2.1	.....	None	316	314, 315	Forbidden	Forbidden	D	40
	Ethane, refrigerated liquid	2.1	UN1961	.....	2.1	.....	None	None	315	Forbidden	Forbidden	D	40
	<i>Ethanol amine dinitrate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ethanol <i>or</i> Ethyl alcohol <i>or</i> Etha- nol solutions <i>or</i> Ethyl alcohol solutions	3	UN1170	II	3	24, T1	150	202	242	5 L	60 L	A	
	.....	.....	.....	III	3	24, B1, T1	150	203	242	60 L	220 L	A	
	Ethanolamine <i>or</i> Ethanolamine solutions	8	UN2491	III	8	T7	154	203	241	5 L	60 L	A	
	<i>Ether, see</i> Diethyl ether	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ethers, n.o.s.	3	UN3271	II	3	T8	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7	150	203	242	60 L	220 L	A	
	Ethyl acetate	3	UN1173	II	3	T2	150	202	242	5 L	60 L	B	
	Ethyl acrylate, inhibited	3	UN1917	II	3	T8	150	202	242	5 L	60 L	B	40
	Ethyl alcohol, <i>see</i> Ethanol	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Ethyl aldehyde, see</i> Acetal- dehyde	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ethyl amyl ketone	3	UN2271	III	3	B1, T1	150	203	242	60 L	220 L	A	
	N-Ethyl-N-benzylaniline	6.1	UN2274	III	6.1	T2	153	203	241	60 L	220 L	A	
	Ethyl borate	3	UN1176	II	3	T8	150	202	242	5 L	60 L	B	
	Ethyl bromide	6.1	UN1891	II	6.1	B100, T17	None	202	243	5 L	60 L	B	40, 85
	Ethyl bromoacetate	6.1	UN1603	II	6.1, 3	T14	None	202	243	Forbidden	Forbidden	D	40
	Ethyl butyl ether	3	UN1179	II	3	B1, B101, T1	150	202	242	5 L	60 L	B	
	Ethyl butyrate	3	UN1180	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Ethyl chloride	2.1	UN1037	.....	2.1	B77	None	322	314, 315	Forbidden	150 kg	B	40
	Ethyl chloroacetate	6.1	UN1181	II	6.1, 3	T14	None	202	243	5 L	60 L	A	
	Ethyl chloroformate	6.1	UN1182	I	6.1, 3, 8	2, A3, A6, A7, B9, B14, B32, B74, N34, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	21, 40, 100
+	Ethyl-2-chloropropionate	3	UN2935	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Ethyl chlorothioformate	8	UN2826	II	8, 6.1, 3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	A	40
	Ethyl crotonate	3	UN1862	II	3	T1	150	202	242	5 L	60 L	B	
	Ethyl cyanoacetate	6.1	UN2666	III	6.1	T8	153	203	241	60 L	220 L	A	26
	Ethyl ether, <i>see</i> Diethyl ether	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ethyl fluoride <i>or</i> Refrigerant gas R 161	2.1	UN2453	.....	2.1	.....	306	304	314, 315	Forbidden	150 kg	E	40
	Ethyl formate	3	UN1190	II	3	T8	150	202	242	5 L	60 L	E	
	<i>Ethyl hydroperoxide</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ethyl isobutyrate	3	UN2385	II	3	T1	150	202	242	5 L	60 L	B	
	Ethyl isocyanate	3	UN2481	I	3, 6.1	1, A7, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	40
	Ethyl lactate	3	UN1192	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Ethyl mercaptan	3	UN2363	I	3	T21	None	201	243	Forbidden	30 L	E	95, 102
	Ethyl methacrylate	3	UN2277	II	3	T1	150	202	242	5 L	60 L	B	
	Ethyl methyl ether	2.1	UN1039	.....	2.1	.....	None	201	314, 315	Forbidden	150 kg	B	40
	Ethyl methyl ketone <i>or</i> Methyl ethyl ketone	3	UN1193	II	3	T8	150	202	242	5 L	60 L	B	
	Ethyl nitrite solutions	3	UN1194	I	3, 6.1	.....	None	201	None	Forbidden	Forbidden	E	40, 105
	Ethyl orthoformate	3	UN2524	III	3	B1, T7	150	203	242	60 L	220 L	A	
	Ethyl oxalate	6.1	UN2525	III	6.1	T1	153	203	241	60 L	220 L	A	
	<i>Ethyl perchlorate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ethyl phosphonothioic dichlo- ride, anhydrous	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	20, 40,95
	Ethyl phosphonous dichloride, anhydrous <i>pyrophoric liquid</i>	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	18

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D	Ethyl phosphorodichloridate	6.1	NA2927	I	6.1, 8	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	20, 40, 95
	Ethyl propionate	3	UN1195	II	3	T1	150	202	242	5 L	60 L	B	
	Ethyl propyl ether	3	UN2615	II	3	B101, T8	150	202	242	5 L	60 L	E	
	<i>Ethyl silicate, see Tetraethyl silicate</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ethylacetylene, inhibited	2.1	UN2452		2.1	.....	None	304	314, 315	Forbidden	150 kg	B	40
	Ethylamine	2.1	UN1036		2.1	B77	None	321	314, 315	Forbidden	150 kg	D	40
	Ethylamine, aqueous solution with not less than 50% but not more than 70% ethy- lamine	3	UN2270	II	3, 8	T14	None	202	243	1 L	5 L	B	40
	N-Ethylaniline	6.1	UN2272	III	6.1	T2	153	203	241	60 L	220 L	A	
	2-Ethylaniline	6.1	UN2273	III	6.1	T2	153	203	241	60 L	220 L	A	
	Ethylbenzene	3	UN1175	II	3	T1	150	202	242	5 L	60 L	B	
	N-Ethylbenzyltoluidines liquid	6.1	UN2753	III	6.1	T14	153	203	241	60 L	220 L	A	
	N-Ethylbenzyltoluidines solid or liquid	6.1	UN2753	III	6.1	T14	153	203	241	60 L	220 L	A	
	2-Ethylbutanol	3	UN2275	III	3	B1, T1	150	203	242	60 L	220 L	A	
	2-Ethylbutyl acetate	3	UN1177	III	3	B1, T1	150	203	242	60 L	220 L	A	
	2-Ethylbutyraldehyde	3	UN1178	II	3	B1, T1	150	202	242	5 L	60 L	B	
	Ethylchloroarsine	6.1	UN1892	I	6.1	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Ethylchlorosilane	4.3	UN1183	I	4.3, 8, 3	A2, A3, A7, N34, T18, T26	None	201	244	Forbidden	1 L	D	21, 28, 40, 49, 100
	Ethylene, acetylene and propyl- ene mixture, refrigerated liquid with at least 71.5% ethylene with not more than 22.5% acetylene and not more than 6% propylene	2.1	UN3138		2.1	.....	None	304	314, 315	Forbidden	Forbidden	D	40
	Ethylene chlorohydrin	6.1	UN1135	I	6.1, 3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Ethylene, compressed	2.1	UN1962		2.1	.....	306	304	302	Forbidden	150 kg	E	40
	<i>Ethylene diamine diperchlorate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
+	Ethylene dibromide	6.1	UN1605	I	6.1	2, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	<i>Ethylene dibromide and methyl bromide liquid mixtures, see Methyl bromide and ethylene dibro- mide, liquid mixtures</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ethylene dichloride	3	UN1184	II	3, 6.1	T14	None	202	243	1 L	60 L	B	40
	Ethylene glycol diethyl ether	3	UN1153	III	3	B1, T1	150	203	242	60 L	220 L	A	
	<i>Ethylene glycol dinitrate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ethylene glycol monoethyl ether	3	UN1171	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Ethylene glycol monoethyl ether acetate	3	UN1172	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Ethylene glycol monomethyl ether	3	UN1188	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Ethylene glycol monomethyl ether acetate	3	UN1189	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Ethylene oxide and carbon dioxide mixture with more than 87% ethylene oxide	2.3	UN3300		2.3, 2.1	4	None	304	314, 315	Forbidden	25 kg	D	40
	Ethylene oxide and carbon dioxide mixtures with more than 9% but not more than 87% ethylene oxide	2.1	UN1041		2.1	.....	306	304	314, 315	Forbidden	25 kg	B	40
	Ethylene oxide and carbon diox- ide mixtures with not more than 9% ethylene oxide	2.2	UN1952		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Ethylene oxide and chlorotet- rafluoroethane mixture with not more than 8.8% ethylene oxide	2.2	UN3297		2.2	306	304	314, 315	75 kg	150 kg	A	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Ethylene oxide and dichlorodifluoromethane mixture <i>with not more than 12.5% ethylene oxide</i>	2.2	UN3070		2.2	25	306	304	314, 315	75 kg	150 kg	A	
	Ethylene oxide and pentafluoroethane mixture <i>with not more than 7.9% ethylene oxide</i>	2.2	UN3298		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Ethylene oxide and propylene oxide mixtures, <i>not more than 30% ethylene oxide</i>	3	UN2983	I	3, 6.1	5, A11, N4, N34, T24, T29	None	201	243	Forbidden	30 L	E	40
	Ethylene oxide and tetrafluoroethane mixture <i>with not more than 5.6% ethylene oxide</i>	2.2	UN3299		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Ethylene oxide <i>or</i> Ethylene oxide with nitrogen <i>up to a total pressure of 1MPa (10 bar) at 50°C</i>	2.3	UN1040		2.3, 2.1	4	None	323	323	Forbidden	25 kg	D	40
	Ethylene, refrigerated liquid (<i>cryogenic liquid</i>)	2.1	UN1038		2.1	.....	None	316	318, 319	Forbidden	Forbidden	D	40
	Ethylenediamine	8	UN1604	II	8, 3	T14	154	202	243	1 L	30 L	A	40
	Ethyleneimine, inhibited	6.1	UN1185	I	6.1, 3	1, B9, B14, B30, B72, B77, N25, N32, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	40
	<i>Ethylhexaldehyde, see</i> Octyl aldehydes <i>etc.</i>	.....	.....		.....	.....				.....	.....
	2-Ethylhexylamine	3	UN2276	III	3, 8	B1, T2	150	203	242	5 L	60 L	A	40
	2-Ethylhexyl chloroformate	6.1	UN2748	II	6.1, 8	T12	None	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
	Ethylphenyldichlorosilane	8	UN2435	II	8	A7, B2, N34, T8, T26	None	202	242	Forbidden	30 L	C	
	1-Ethylpiperidine	3	UN2386	II	3, 8	T8	None	202	243	1 L	5 L	B	
	N-Ethyltoluidines	6.1	UN2754	II	6.1	T14	None	202	243	5 L	60 L	A	
	Ethyltrichlorosilane	3	UN1196	II	3, 8	A7, B100, N34, T15, T26	None	202	243	1L	5 L	B	40
	<i>Etiologic agent, see</i> Infectious substances, <i>etc.</i>)	.....	.....		.....	.....				.....	.....
	<i>Explosive articles, see</i> Articles, explosive, n.o.s. <i>etc.</i>	.....	.....		.....	.....				.....	.....
	Explosive, blasting, type A	1.1D	UN0081	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E, 21E
	Explosive, blasting, type B	1.1D	UN0082	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Explosive, blasting, type B <i>or</i> Agent blasting, Type B	1.5D	UN0331	II	1.5D	105, 106	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Explosive, blasting, type C	1.1D	UN0083	II	1.1D	123	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Explosive, blasting, type D	1.1D	UN0084	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Explosive, blasting, type E	1.1D	UN0241	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E, 19E
	Explosive, blasting, type E <i>or</i> Agent blasting, Type E	1.5D	UN0332	II	1.5D	105, 106	None	62	None	Forbidden	Forbidden	B	1E, 5E
	<i>Explosive, forbidden. See Sec. 173.54</i>	Forbidden	.....		.....	.....				.....	.....
	<i>Explosive substances, see</i> Substances, explosive, n.o.s. <i>etc.</i>	.....	.....		.....	.....				.....	.....
	<i>Explosives, slurry, see</i> Explosive, blasting, type E	.....	.....		.....	.....				.....	.....
	<i>Explosives, water gels, see</i> Explosive, blasting, type E	.....	.....		.....	.....				.....	.....
	Extracts, aromatic, liquid	3	UN1169	II	3	T7, T30	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	Extracts, flavoring, liquid	3	UN1197	II	3	T7, T30	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	<i>Fabric with animal or vegetable oil, see</i> Fibers or fabrics, <i>etc.</i>	.....	.....		.....	.....				.....	.....

Sym- bols (1)	Hazardous Materials Descriptions and Proper Shipping Names (2)	Hazard Class Or Division (3)	Identifica- tion Numbers (4)	PG (5)	Label Codes (6)	Special Provisions (7)	(8) Packaging (\$173.***)			(9) Quantity Limitations		(10) Vessel Stowage	
							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D	Ferric arsenate	6.1	UN1606	II	6.1	.....	None	212	242	25 kg	100 kg	A	13, 40, 85, 103
	Ferric arsenite	6.1	UN1607	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Ferric chloride, anhydrous	8	UN1773	III	8	.....	154	213	240	25 kg	100 kg	A	
	Ferric chloride, solution	8	UN2582	III	8	B15, T8	154	203	241	5 L	60 L	A	
	Ferric nitrate	5.1	UN1466	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Ferrocerium	4.1	UN1323	II	4.1	59, A19	151	212	240	15 kg	50 kg	A	
	Ferrosilicon, with 30% or more but less than 90% silicon	4.3	UN1408	III	4.3, 6.1	A1, A19	151	213	240	25 kg	100 kg	A	
	Ferrous arsenate	6.1	UN1608	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Ferrous chloride, solid	8	NA1759	II	8	.....	154	212	240	15 kg	50 kg	A	
	Ferrous chloride, solution	8	NA1760	II	8	B3	154	202	242	1 L	30 L	B	
AIW	Ferrous metal borings or Ferrous metal turnings or Ferrous metal cuttings in a form liable to self-heating	4.2	UN2793	III	4.2	A1, A19, B101	None	213	241	25 kg	100 kg	A	40
	Fertilizer ammoniating solu- tion with free ammonia	2.2	UN1043		2.2	.....	306	304	314, 315	Forbidden	150 kg	E	40
	Fibers or Fabrics, animal or vegetable, or Synthetic, n.o.s. with animal or vegeta- ble oil	4.2	UN1373	III	4.2	.....	None	213	241	Forbidden	Forbidden	A	
	Fibers or Fabrics impregnated with weakly nitrated nitrocellu- lose, n.o.s.	4.1	UN1353	III	4.1	A1	None	213	240	25 kg	100 kg	D	
	Films, nitrocellulose base, from which gelatine has been removed; film scrap, see Celluloid scrap	.....	.....			.....				.....	.....	.....
	Films, nitrocellulose base, gela- tine coated (except scrap)	4.1	UN1324	III	4.1	.....	None	183	None	25 kg	100 kg	D	91
	Fire extinguisher charges, corro- sive 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	18	309	309	None	75 kg	150 kg	A	
	Firelighters, solid with flamma- ble liquid	4.1	UN2623	III	4.1	A1, A19	None	213	None	25 kg	100 kg	A	
W	Fireworks	1.1G	UN0333	II	1.1G	108	None	62	None	Forbidden	Forbidden	B	24E
	Fireworks	1.2G	UN0334	II	1.2G	108	None	62	None	Forbidden	Forbidden	B	
	Fireworks	1.3G	UN0335	II	1.3G	108	None	62	None	Forbidden	Forbidden	B	
	Fireworks	1.4G	UN0336	II	1.4G	108	None	62	None	Forbidden	75 kg	A	
	Fireworks	1.4S	UN0337	II	1.4S	108	None	62	None	25 kg	100 kg	A	
	Fireworks	9	UN2216	III	None	.....	155	218	218	No limit	No limit	A	
	Fish meal, stabilized or Fish scrap, stabilized												88
	Fish meal, unstabilized or Fish scrap, unstabilized	4.2	UN1374	II	4.2	A1, A19	None	212	241	15 kg	50 kg	A	119, 120
	Fissile radioactive materials, see Radioactive material, fissile, n.o.s.	.....	.....			.....				.....	.....	.....
	Flammable compressed gas, see Compressed or Lique- fied 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, cigarettes, containing flam- mable gas	.....	.....			.....				.....	.....	.....
	Flammable liquid, toxic, corro- sive, n.o.s.	3	UN3286	I	3, 6.1, 8	.....	None	201	243	Forbidden	2.5 L	E	21,40, 100
	.....			II	3, 6.1, 8	T14	None	202	243	1 L	5 L	B	21, 40, 100
	Flammable liquids, corrosive, n.o.s.	3	UN2924	I	3, 8	T42	None	201	243	0.5 L	2.5 L	E	40
	.....	.....	.....	II	3, 8	T15, T26	None	202	243	1 L	5 L	B	40
	.....	.....	.....	III	3, 8	B1, T15, T26	150	203	242	5 L	60 L	A	40
	Flammable liquids, n.o.s.	3	UN1993	I	3	T42	150	201	243	1 L	30 L	E	
	II	3	T8, T31	150	202	242	5 L	60 L	B	
	III	3	B1, B52, T7, T30	150	203	242	60 L	220 L	A	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Flammable liquids, toxic, n.o.s.	3	UN1992	I	3, 6.1	T42	None	201	243	Forbidden	30 L	E	40
	.....	.....	.....	II	3, 6.1	T18	None	202	243	1 L	60 L	B	40
	.....	.....	.....	III	3, 6.1	B1, T18	150	203	242	60 L	220 L	A	40
	Flammable solid, corrosive, inorganic, n.o.s.	4.1	UN3180	II	4.1, 8	A1, B106	151	212	242	15 kg	50 kg	D	40
	.....	.....	.....	III	4.1, 8	A1, B106	151	213	242	25 kg	100 kg	D	40
	Flammable solid, inorganic, n.o.s.	4.1	UN3178	II	4.1	A1	151	212	240	15 kg	50 kg	B	40
	.....	.....	.....	III	4.1	A1	151	213	240	25 kg	100 kg	B	40
	Flammable solid, organic, molten, n.o.s.	4.1	UN3176	II	4.1	T9	151	212	240	Forbidden	Forbidden	C	40
	.....	.....	.....	III	4.1	T9	151	213	240	Forbidden	Forbidden	C	40
	Flammable solid, toxic, inor- ganic, n.o.s.	4.1	UN3179	II	4.1, 6.1	A1, B106	151	212	242	15 kg	50 kg	B	40
	.....	.....	.....	III	4.1, 6.1	A1, B106	151	213	242	25 kg	100 kg	B	40
	Flammable solids, corrosive, organic, n.o.s.	4.1	UN2925	II	4.1, 8	A1, B106	None	212	242	15 kg	50 kg	D	40
	.....	.....	.....	III	4.1, 8	A1, B106	151	213	242	25 kg	100 kg	D	40
	Flammable solids, organic, n.o.s.	4.1	UN1325	II	4.1	A1	151	212	240	15 kg	50 kg	B	40
	.....	.....	.....	III	4.1	A1	151	213	240	25 kg	100 kg	B	40
	Flammable solids, toxic, organic, n.o.s.	4.1	UN2926	II	4.1, 6.1	A1, B106	None	212	242	15 kg	50 kg	B	40
	.....	.....	.....	III	4.1, 6.1	A1, B106	151	213	242	25 kg	100 kg	B	40
	Flares, aerial	1.3G	UN0093	II	1.3G	.....	None	62	None	Forbidden	75 kg	B	24E
	Flares, aerial	1.4G	UN0403	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	Flares, aerial	1.4S	UN0404	II	1.4S	.....	None	62	None	25 kg	100 kg	A	24E
	Flares, aerial	1.1G	UN0420	II	1.1G	.....	None	62	None	Forbidden	Forbidden	B	24E
	Flares, aerial	1.2G	UN0421	II	1.2G	.....	None	62	None	Forbidden	Forbidden	B	24E
	Flares, airplane, see Flares, aerial	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24E
	Flares, signal, see Cartridges, signal	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24E
	Flares surface	1.1G	UN0418	II	1.1G	.....	None	62	None	Forbidden	Forbidden	B	24E
	Flares, surface	1.2G	UN0419	II	1.2G	.....	None	62	None	Forbidden	Forbidden	B	24E
	Flares, surface	1.3G	UN0092	II	1.3G	.....	None	62	None	Forbidden	75 kg	B	24E
	Flares, water-activated, see Contrivances, water-activated, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24E
	Flash powder	1.1G	UN0094	II	1.1G	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Flash powder	1.3G	UN0305	II	1.3G	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Flue dusts, poisonous, see Arsen- ical dust	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1E, 5E
	Fluoboric acid	8	UN1775	II	8	A6, A7, B2, B15, N3, N34, T15, T27	154	202	242	1 L	30 L	A	40
	Fluoric acid, see Hydrofluoric acid, solution, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40
	Fluorine, compressed	2.3	UN1045	I	2.3, 5.1	I	None	302	None	Forbidden	Forbidden	D	40
	Fluoroacetic acid	6.1	UN2642	I	6.1	B100	None	211	242	1 kg	15 kg	E	40
	Fluoroanilines	6.1	UN2941	III	6.1	T8	153	203	241	60 L	220 L	A	40
	Fluorobenzene	3	UN2387	II	3	B101, T8	150	202	242	5 L	60 L	B	40
	Fluorophosphoric acid anhydrous	8	UN1776	II	8	A6, A7, B2, N3, N34, T9, T27	None	202	242	1 L	30 L	A	40
	Fluorosilicates, n.o.s.	6.1	UN2856	III	6.1	.....	153	213	240	100 kg	200 kg	A	26
	Fluorosilicic acid	8	UN1778	II	8	A6, A7, B2, B15, N3, N34, T12, T27	None	202	242	1 L	30 L	A	26
	Fluorosulfonic acid	8	UN1777	I	8	A3, A6, A7, A10, B6, B10, N3, T9, T27	None	201	242	0.5 L	2.5 L	D	40
	Fluorotoluenes	3	UN2388	II	3	T8	150	202	242	5 L	60 L	B	40
	Forbidden materials. See 173.21	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40
	Formaldehyde, solutions, flammable	3	UN1198	III	3, 8	B1, T8	150	203	242	5 L	60 L	A	40
	Formaldehyde, solutions, with not less than 25% formal- dehyde	8	UN2209	III	8	T1	154	203	241	5 L	60 L	A	40
	Formalin, see Formaldehyde, solutions	40
	Formic acid	8	UN1779	II	8	B2, B28, T8	154	202	242	1 L	30 L	A	40

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D	Fracturing devices, explosive, <i>without detonators for oil wells</i>	1.1D	UN0099	II	1.1D	None	62	None	Forbidden	Forbidden	B	
	Fuel, aviation, turbine engine	3	UN1863	I	3	T7	150	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	T1	150	202	242	5 L	60 L	B	
	Fuel oil (<i>No. 1, 2, 4, 5, or 6</i>)	3	NA1993	III	3	B1, T1	150	203	242	60 L	220 L	A	
	<i>Fulminate of mercury (dry)</i>	Forbidden	.....	III	3	B1	150	203	242	60 L	220 L	A	
	<i>Fulminate of mercury, wet, see Mercury fulminate, etc.</i> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Fulminating gold</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Fulminating mercury</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Fulminating platinum</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Fulminating silver</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Fulminic acid</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Fumaryl chloride	8	UN1780	II	8	B2, T8, T26	154	202	242	1 L	30 L	C	8, 40
	Furaldehydes	6.1	UN1199	II	6.1, 3	T15	None	202	243	5 L	60 L	A	
	Furan	3	UN2389	I	3	T18	None	201	243	1 L	30 L	E	40
	Furfuryl alcohol	6.1	UN2874	III	6.1	T2	153	203	241	60 L	220 L	A	26, 74
	Furfurylamine	3	UN2526	III	3, 8	B1, T1	150	203	242	5 L	60 L	A	40
	Fuse, detonating, <i>metal clad</i> , <i>see</i> Cord, detonating, <i>metal clad</i> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Fuse, detonating, mild effect, <i>metal clad, see</i> Cord, deto- nating, mild effect, <i>metal clad</i> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
D	Fuse, igniter <i>tubular metal clad</i>	1.4G	UN0103	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	Fuse, non-detonating (<i>instanta- neous or quickmatch</i>)	1.3G	UN0101	II	1.3G	.....	None	62	None	Forbidden	Forbidden	B	
	Fuse, safety	1.4S	UN0105	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	Fusee (<i>railway or highway</i>)	4.1	NA1325	II	4.1	.....	None	184	None	15 kg	50 kg	B	
	Fusel oil	3	UN1201	II	3	T1	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T1	150	203	242	60 L	220 L	A	
	<i>Fuses, tracer, see</i> Tracers for ammunition .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Fuzes, combination, percus- sion and time, see</i> Fuzes, detonating (<i>UN 0257, UN 0367</i>); Fuzes, igniting (<i>UN 0317, UN 0368</i>) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Fuzes, detonating	1.1B	UN0106	II	1.1B	.....	None	62	None	Forbidden	Forbidden	B	2E, 6E
	Fuzes, detonating	1.2B	UN0107	II	1.2B	.....	None	62	None	Forbidden	Forbidden	B	2E, 6E
	Fuzes, detonating	1.4B	UN0257	II	1.4B	116	None	62	None	Forbidden	75 kg	A	24E
	Fuzes, detonating	1.4S	UN0367	II	1.4S	116	None	62	None	25 kg	100 kg	A	
	Fuzes, detonating, <i>with protec- tive features</i>	1.1D	UN0408	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	
	Fuzes, detonating, <i>with protec- tive features</i>	1.2D	UN0409	II	1.2D	.....	None	62	None	Forbidden	Forbidden	B	
	Fuzes, detonating, <i>with protec- tive features</i>	1.4D	UN0410	II	1.4D	116	None	62	None	Forbidden	75 kg	A	24E
	Fuzes, igniting	1.3G	UN0316	II	1.3G	.....	None	62	None	Forbidden	Forbidden	B	
	Fuzes, igniting	1.4G	UN0317	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	Fuzes, igniting	1.4S	UN0368	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
D	<i>Galactsan trinitrate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Gallium	8	UN2803	III	8	.....	None	162	240	20 kg	20 kg	B	48
	Gas cartridges (<i>flammable</i>) <i>with- out a release device, non- refillable</i>	2.1	UN2037	.....	2.1	.....	306	304	None	1 kg	15 kg	B	40
	Gas generator assemblies (<i>aircraft</i>), <i>containing a non- flammable non-toxic gas and a propellant cartridge</i>	2.2	.....	.....	2.2	.....	None	335	None	75 kg	150 kg	A	
	Gas identification set	2.3	NA9035	.....	2.3	6	None	194	None	Forbidden	Forbidden	D	
	Gas oil <i>or</i> Diesel fuel <i>or</i> Heat- ing oil, light	3	UN1202	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	Gas, refrigerated liquid, flam- mable, n.o.s. (<i>cryogenic liquid</i>)	2.1	UN3312	.....	2.1	.....	None	316	318	Forbidden	Forbidden	D	40
	Gas, refrigerated liquid, n.o.s. (<i>cryogenic liquid</i>)	2.2	UN3158	.....	2.2	.....	320	316	318	50 kg	500 kg	D	
	Gas, refrigerated liquid, oxidiz- ing, n.o.s. (<i>cryogenic liquid</i>)	2.2	UN3311	.....	2.2, 5.1	.....	320	316	318	Forbidden	Forbidden	D	
	Gas sample, non-pressurized, flammable, n.o.s., <i>not refrig- erated liquid</i>	2.1	UN3167	2.1	306	302, 304	None	1 L	5 L	D	

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D	Gas sample, non-pressurized, toxic, flammable, n.o.s., <i>not refrigerated liquid</i>	2.3	UN3168		2.3, 2.1	306	302	None	Forbidden	1 L	D	
	Gas sample, non-pressurized, toxic, n.o.s., <i>not refrigerated liquid</i>	2.3	UN3169		2.3	.....	306	302, 304	None	Forbidden	1 L	D	
	Gasohol (gasoline mixed with ethyl alcohol, max. 20% alcohol)	3	NA1203	II	3	.....	150	202	242	5 L	60 L	E	
	Gasoline	3	UN1203	II	3	B33, B101, T8	150	202	242	5 L	60 L	E	
D	<i>Gasoline, casinghead, see Natural gasoline</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Gelatine, blasting, see Explo- sive, blasting, type A</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Gelatine dynamites, see Explo- sive, blasting, type A</i>	.....	.....		.....	.....				.....	.....	.....
	Germane	2.3	UN2192		2.3, 2.1	2	None	192	245	Forbidden	Forbidden	D	40
	<i>Glycerol-1,3-dinitrate</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Glycerol gluconate trinitrate</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Glycerol lactate trinitrate</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Glycerol alpha-monochloro- hydrin	6.1	UN2689	III	6.1	T2	153	203	241	60 L	220 L	A	
	<i>Glyceryl trinitrate, see Nitro- glycerin, etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Glycidaldehyde	3	UN2622	II	3, 6.1	T8	150	202	243	1 L	60 L	A	40
	Grenades, empty primed	1.4S	NA0349	II	None	None	None	62	None	25 kg	100 kg	A	
	Grenades, <i>hand or rifle, with bursting charge</i>	1.1D	UN0284	II	1.1D	.....		62	None	Forbidden	Forbidden	B	
	Grenades, <i>hand or rifle, with bursting charge</i>	1.2D	UN0285	II	1.2D	.....		62	None	Forbidden	Forbidden	B	
	Grenades, <i>hand or rifle, with bursting charge</i>	1.1F	UN0292	II	1.1F	.....		62	None	Forbidden	Forbidden	E	
	Grenades, <i>hand or rifle, with bursting charge</i>	1.2F	UN0293	II	1.2F	.....		62	None	Forbidden	Forbidden	E	
	<i>Grenades, illuminating, see Ammunition, illuminating, etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Grenades practice <i>Hand or rifle</i>	1.4G	UN0452	II	1.4G	.....		62	None	Forbidden	75 kg	A	24E
	Grenades, practice, <i>hand or rifle</i>	1.4S	UN0110	II	1.4S	.....		62	None	25 kg	100 kg	A	
	Grenades, practice, <i>hand or rifle</i>	1.3G	UN0318	II	1.3G	.....		62	None	Forbidden	Forbidden	B	
	Grenades, practice, <i>hand or rifle</i>	1.2G	UN0372	II	1.2G	.....		62	None	Forbidden	Forbidden	B	
	<i>Grenades, smoke, see Ammuni- tion, smoke, etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Guanidine nitrate	5.1	UN1467	III	5.1	A1	152	213	240	25 kg	100 kg	A	73
	<i>Guanyl nitrosaminoguanilyli- dene hydrazine (dry)</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Guanyl nitrosaminoguanilyli- dene hydrazine, wetted with <i>not less than 30% water, by mass</i>	1.1A	UN0113	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	E	2E, 6E
	<i>Guanyl nitrosaminoguanilylte- trazene (dry)</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Guanyl nitrosaminoguanilyltetra- zene, wetted or Tetrazene, wetted with <i>not less than 30% water or mixture of alcohol and water, by mass</i>	1.1A	UN0114	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	E	2E, 6E
	Gunpowder, compressed or Gunpowder in pellets, <i>see Black powder (UN 0028)</i>	.....	.....		.....	.....				.....	.....	.....
	Gunpowder, <i>granular or as a meal, see Black powder (UN 0027)</i>	.....	.....		.....	.....				.....	.....	.....
	Hafnium powder, dry	4.2	UN2545	I	4.2	B100	None	211	242	Forbidden	Forbidden	D	
	.....	.....	.....	II	4.2	A19, A20, B101, B106, N34	None	212	241	15 kg	50 kg	D	
	.....	.....	.....	III	4.2	B105, B106	None	213	241	25 kg	100 kg	D	
	Hafnium powder, wetted with <i>not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemi- cally produced, particle size less than 840 microns</i>	4.1	UN1326	II	4.1	A6, A19, A20, N34	None	212	241	15 kg	50 kg	E	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D D	<i>Hand signal device, see</i> Signal devices, hand	.....	.....		.....					.....	.....	.....
	<i>Hazardous substances, liquid or solid, n.o.s., see</i> Environmentally hazardous substances, etc.	.....	.....		.....					.....	.....	.....
	Hazardous waste, liquid, n.o.s.	9	NA3082	III	9		155	203	241	No limit	No limit	A	
	Hazardous waste, solid, n.o.s.	9	NA3077	III	9	B54	155	213	240	No limit	No limit	A	
	Helium, compressed	2.2	UN1046		2.2		306	302	302, 314	75 kg	150 kg	A	85
	<i>Helium-oxygen mixture, see</i> Rare gases and oxygen mixtures	.....	.....		.....					.....	.....	.....
	Helium, refrigerated liquid (<i>cryogenic liquid</i>)	2.2	UN1963		2.2		320	316	318	50 kg	500 kg	B	
	Heptafluoropropane <i>or</i> Refrigerant gas R 227	2.2	UN3296		2.2		306	304	314, 315	75 kg	150 kg	A	
	n-Heptaldehyde	3	UN3056	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Heptanes	3	UN1206	II	3	T2	150	202	242	5 L	60 L	B	
	n-Heptene	3	UN2278	II	3	B101, T8	150	202	242	5 L	60 L	B	
	Hexachloroacetone	6.1	UN2661	III	6.1	T8	153	203	241	60 L	220 L	B	12, 40
	Hexachlorobenzene	6.1	UN2729	III	6.1		153	203	241	60 L	220 L	A	
	Hexachlorobutadiene	6.1	UN2279	III	6.1	T7	153	203	241	60 L	220 L	A	
D	Hexachlorocyclopentadiene	6.1	UN2646	I	6.1	2, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Hexachlorophene	6.1	UN2875	III	6.1		153	213	240	100 kg	200 kg	A	
	Hexadecyltrichlorosilane	8	UN1781	II	8	A7, B2, B6, N34, T8	None	202	242	Forbidden	30 L	C	40
	Hexadienes	3	UN2458	II	3	B101, T8	None	202	242	5 L	60 L	B	
	Hexaethyl tetraphosphate and compressed gas mixtures	2.3	UN1612		2.3	3	None	334	None	Forbidden	Forbidden	D	40
	Hexaethyl tetraphosphate liquid	6.1	UN1611	II	6.1	N76	None	202	243	5 L	60 L	E	40
	Hexaethyl tetraphosphate, solid	6.1	UN1611	II	6.1	N76	None	212	242	25 kg	100 kg	E	40
	Hexafluoroacetone	2.3	UN2420		2.3, 8	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	Hexafluoroacetone hydrate	6.1	UN2552	II	6.1	T14	None	202	243	5 L	60 L	B	40
	Hexafluoroethane, compressed <i>or</i> Refrigerant gas R 116	2.2	UN2193		2.2		306	304	314, 315	75 kg	150 kg	A	
	Hexafluorophosphoric acid	8	UN1782	II	8	A6, A7, B2, N3, N34, T9, T27	None	202	242	1 L	30 L	A	
	Hexafluoropropylene oxide	2.2	NA1956		2.2		306	304	314, 315	75 kg	150 kg	A	
	Hexafluoropropylene, compressed <i>or</i> Refrigerant gas R 1216	2.2	UN1858		2.2		306	304	314, 315	75 kg	150 kg	A	
	Hexaldehyde	3	UN1207	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Hexamethylene diisocyanate	6.1	UN2281	II	6.1	B101, T14	None	202	243	5 L	60 L	B	13, 40
	<i>Hexamethylene triperoxide diamine (dry)</i>	Forbidden	.....		.....					.....	.....	.....
	Hexamethylenediamine, solid	8	UN2280	III	8		154	213	240	25 kg	100 kg	A	12
	Hexamethylenediamine solution	8	UN1783	II	8	T8	None	202	242	1 L	30 L	A	
	.....	.....	.....	III	8	T7	154	203	241	5 L	60 L	A	
	Hexamethyleneimine	3	UN2493	II	3, 8	B101, T8	None	202	243	1 L	5 L	B	40
	Hexamethylenetetramine	4.1	UN1328	III	4.1	A1	151	213	240	25 kg	100 kg	A	
	<i>Hexamethylol benzene hexanitrate</i>	Forbidden	.....		.....					.....	.....	.....
	Hexanes	3	UN1208	II	3	B101, T8	150	202	242	5 L	60 L	E	
	<i>2,2',4,4',6,6'-Hexanitro-3,3'-dihydroxyazobenzene (dry)</i>	Forbidden	.....		.....					.....	.....	.....
	<i>Hexanitroazoxy benzene</i>	Forbidden	.....		.....					.....	.....	.....
	<i>N,N'-(hexanitrodiphenyl) ethylene dinitramine (dry)</i>	Forbidden	.....		.....					.....	.....	.....
	<i>Hexanitrodiphenyl urea</i>	Forbidden	.....		.....					.....	.....	.....
	<i>2,2',3',4,4',6'-Hexanitrodiphenylamine</i>	Forbidden	.....		.....					.....	.....	.....
	Hexanitrodiphenylamine <i>or</i> Dipicrylamine <i>or</i> Hexyl	1.1D	UN0079	II	1.1D		None	62	None	Forbidden	Forbidden	B	1E, 5E
	<i>2,3',4,4',6,6'-Hexanitrodiphenylether</i>	Forbidden	.....		.....					.....	.....	.....
	Hexanitroethane	Forbidden	.....		.....					.....	.....	.....
	Hexanitrooxanilide	Forbidden	.....		.....					.....	.....	.....
	Hexanitrostilbene	1.1D	UN0392	II	1.1D		None	62	None	Forbidden	Forbidden	B	1E, 5E
	<i>Hexanoic acid, see</i> Corrosive liquids, n.o.s.	

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	Hexanols	3	UN2282	III	3	B1, T1	150	203	242	60 L	220 L	A	1E, 5E
	Hexatonal	1.1D	UN0393	II	1.1D	None	62	None	Forbidden	Forbidden	B	
	1-Hexene	3	UN2370	II	3	B101, T8	150	202	242	5 L	60 L	E	
	Hexogen and cyclotetramethy- lenetetranitramine mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hexogen and HMX mixtures, wetted or desensitized <i>see</i> RDX and HMX mixtures, wetted or desensitized <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hexogen and octogen mixtures, wetted or desensi- tized <i>see</i> RDX and HMX mixtures, wetted or desensi- tized <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hexogen, <i>see</i> Cyclotrimethy- lenetrinitramine, <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hexolite, or Hexotol dry or wetted with less than 15% water, by mass	1.1D	UN0118	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Hexyl, <i>see</i> Hexanitrodipheny- lamine	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hexyltrichlorosilane	8	UN1784	II	8	A7, B2, B6, N34, T8, T26	None	202	242	Forbidden	30 LC		40
	<i>High explosives, see individual explosives' entries</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	HMX, <i>see</i> Cyclotetramethylen- etetranitramine, <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrazine, anhydrous or Hydrazine aqueous solutions with more than 64% hydra- zine, by mass	3	UN2029	I	3, 6.1, 8	A3, A6, A7, A10, B7, B16, B53, T25	None	201	243	Forbidden	2.5 L	D	21, 40, 42, 100
	Hydrazine azide	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrazine chlorate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrazine dicarbonic acid diazide	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrazine hydrate or Hydra- zine aqueous solutions, with not more than 37% but not more than 64% hydrazine, by mass	8	UN2030	II	8, 6.1	B16, B53, B110, T15	None	202	243	Forbidden	30 L	D	40, 42, 82
	Hydrazine perchlorate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrazine selenate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrazine, aqueous solution with not more than 37% hydrazine, by mass	6.1	UN3293	III	6.1	T7	153	203	241	60 L	220 L	A	
	Hydriodic acid, anhydrous, <i>see</i> Hydrogen iodide, anhydrous	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydriotic acid	8	UN1787	II	8	A3, A6, B2, N41, T9, T27	154	202	242	1 L	30 L	C	
	<i>Hydrobromic acid, anhydrous, see</i> Hydrogen bromide, anhydrous	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrobromic acid, with more than 49% hydrobromic acid	8	UN1788	II	8	B2, B15, N41, T9, T27	154	202	242	Forbidden	Forbidden	C	
	.....	.....	.....	III	8	T8, T26	154	203	241	Forbidden	Forbidden	C	8
	Hydrobromic acid, with not more than 49% hydrobromic acid	8	UN1788	II	8	A3, A6, B2, B15, N41, T9, T27	154	202	242	1 L	30 L	C	
	.....	.....	.....	III	8	T8, T26	154	203	241	5 L	30 L	C	8
	Hydrocarbon gas mixture, compressed, n.o.s.	2.1	UN1964	.....	2.1	.....	306	302	314, 315	Forbidden	150 kg	E	40
	Hydrocarbon gas mixture, lique- fied, n.o.s.	2.1	UN1965	.....	2.1	.....	306	304	314, 315	Forbidden	150 kg	E	40
	Hydrocarbons, liquid, n.o.s.	3	UN3295	I	3	T8,T31	150	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	T8, T31	150	202	242	5 L	60 L	B	
	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	Hydrochloric acid, anhydrous, <i>see</i> Hydrogen chloride, anhydrous	

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D	Hydrochloric acid	8	UN1789	II	8	A3, A6, B3, B15, N41, T9, T27	154	202	242	1 L	30 L	C	
 <i>Hydrocyanic acid, anhydrous, see Hydrogen cyanide etc.</i>	III	8	T8, T26	154	203	241	5 L	60 L	C	8
	Hydrocyanic acid, aqueous solutions with less than 5% hydrogen cyanide	6.1	NA1613	II	6.1	T18, T26	None	195	243	Forbidden	5 L	D	40
	Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20% hydrogen cyanide	6.1	UN1613	I	6.1	2, B61, B65, B77, B82	None	195	244	Forbidden	Forbidden	D	40
	<i>Hydrocyanic acid, liquefied, see Hydrogen cyanide, etc.</i> <i>Hydrocyanic acid (prussic), unstabilized</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrofluoric acid and Sulfuric acid mixtures	8	UN1786	I	8, 6.1	A6, A7, B15, B23, N5, N34, T18, T27	None	201	243	Forbidden	2.5 L	D	40, 95
	<i>Hydrofluoric acid, anhydrous, see Hydrogen fluoride, anhydrous</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrofluoric acid, with more than 60% strength	8	UN1790	I	8, 6.1	A6, A7, B4, B15, B23, N5, N34, T18, T27	None	201	243	0.5 L	2.5 L	D	12, 40
	Hydrofluoric acid, with not more than 60% strength	8	UN1790	II	8, 6.1	A6, A7, B15, B110, N5, N34, T18, T27	None	202	243	1 L	30 L	D	12, 40
	<i>Hydrofluoroboric acid, see Fluoroboric acid</i> <i>Hydrofluorosilicic acid, see Fluorosilicic acid</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Hydrogen and Methane mixtures, compressed	2.1	UN2034		2.1	.....	306	302	302, 314, 315	Forbidden	150 kg	E	40
	Hydrogen bromide, anhydrous	2.3	UN1048		2.3, 8	3, B14	None	304	314, 315	Forbidden	25 kg	D	40
	Hydrogen chloride, anhydrous	2.3	UN1050		2.3, 8	3	None	304	None	Forbidden	Forbidden	D	40
	Hydrogen chloride, refriger- ated liquid	2.3	UN2186		2.3, 8	3, B6	None	None	314, 315	Forbidden	Forbidden	B	40
	Hydrogen, compressed	2.1	UN1049		2.1	.....	306	302	302, 314	Forbidden	150 kg	E	40, 57
	Hydrogen cyanide, stabilized with less than 3% water	6.1	UN1051	I	6.1, 3	1, B35, B61, B65, B77, B82	None	195	244	Forbidden	Forbidden	D	40
	Hydrogen cyanide, stabilized, with less than 3% water and absorbed in a porous inert material	6.1	UN1614	I	6.1	5	None	195	None	Forbidden	Forbidden	D	25, 40
	Hydrogen cyanide, solution in alcohol with not more than 45% hydrogen cyanide	6.1	UN3294	I	6.1, 3	2, 25, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Hydrogen fluoride, anhydrous	8	UN1052	I	8, 6.1	3, B7, B46, B71, B77, T24, T27	None	163	243	Forbidden	Forbidden	D	40
	Hydrogen iodide, anhydrous <i>Hydrogen iodide solution, see Hydriodic acid, solution</i>	2.3	UN2197		2.3	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	Hydrogen peroxide and peroxy- acetic acid mixtures, with acids, water and not more than 5% peroxyacetic acid, stabilized	5.1	UN3149	II	5.1, 8	A2, A3, A6, B53, B104, T14	None	202	243	1 L	5 L	D	25, 66, 75, 106
	Hydrogen peroxide, aqueous solutions with more than 40% but not more than 60% hydrogen peroxide (stabi- lized as necessary)	5.1	UN2014	II	5.1, 8	12, A3, A6, B53, B80, B81, B85, B104, B110, T14, T37	None	202	243	Forbidden	Forbidden	D	25, 66, 75, 106
	Hydrogen peroxide, aqueous solutions with not less than 8% but less than 20% hydro- gen peroxide (stabilized as necessary)	5.1	UN2984	III	5.1	17, A1, B104, T8, T37	152	203	241	2.5 L	30 L	B	25, 75, 106

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D	Hydrogen peroxide, aqueous solutions <i>with not less than 20% but not more than 40% hydrogen peroxide (stabi- lized as necessary)</i>	5.1	UN2014	II	5.1, 8	A2, A3, A6, B53, B104, B110, T14, T37	None	202	243	1 L	5 L	D	25, 66, 75, 106
	Hydrogen peroxide, stabilized <i>or</i> Hydrogen peroxide aque- ous solutions, stabilized <i>with more than 60% hydrogen peroxide</i>	5.1	UN2015	I	5.1, 8	12, A3, A6, B53, B80, B81, B85, T15, T37	None	201	243	Forbidden	Forbidden	D	25, 66, 75, 106
	Hydrogen, refrigerated liquid <i>(cryogenic liquid)</i>	2.1	UN1966		2.1	.....	None	316	318, 319	Forbidden	Forbidden	D	40
	Hydrogen selenide, anhydrous <i>Hydrogen sulfate, see Sulfuric acid</i>	2.3	UN2202		2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
	Hydrogen sulfide	2.3	UN1053		2.3, 2.1	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	Hydrogendifluorides, n.o.s. <i>solid</i>	8	UN1740	II	8	N3, N34	None	212	240	15 kg	50 kg	A	25, 26, 40
	.....			III	8	N3, N34	154	213	240	25 kg	100 kg	A	25, 26, 40
	Hydrogendifluorides, n.o.s. <i>solutions</i>	8	UN1740	II	8	N3,N34	None	202	242	1 L	30 L	A	25 ,26, 40
	.....			III	8	N3,N34	154	203	241	5 L	60 L	A	25, 26, 40
	Hydroquinone	6.1	UN2662	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	<i>Hydrosilicofluoric acid, see Fluorosilicic acid</i>	.....	.....			.....				.....	.....
	<i>Hydroxyl amine iodide</i>	Forbidden	.....			.....				.....	.....
	Hydroxylamine sulfate	8	UN2865	III	8		154	213	240	25 kg	100 kg	A	
	Hypochlorite solutions	8	UN1791	II	8	A7, B2, B15, N34, T7	154	202	242	1 L	30 L	B	26
	.....		.....	III	8	B104, N34, T7	154	203	241	5 L	60 L	B	26
	Hypochlorites, inorganic, n.o.s.	5.1	UN3212	II	5.1	.....	152	212	240	5 kg	25 kg	D	48, 56, 58, 69, 106, 116, 118
	<i>Hyponitrous acid</i>	Forbidden	.....			.....				.....	.....
	<i>Igniter fuse, metal clad, see Fuse, igniter, tubular, metal clad</i>	.....	.....			.....				.....	.....
	Igniters	1.1G	UN0121	II	1.1G	.....	None	62	None	Forbidden	Forbidden	B	
	Igniters	1.2G	UN0314	II	1.2G	.....	None	62	None	Forbidden	Forbidden	B	
	Igniters	1.3G	UN0315	II	1.3G	.....	None	62	None	Forbidden	Forbidden	A	
	Igniters	1.4G	UN0325	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	Igniters	1.4S	UN0454	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	3,3'-Iminodipropylamine	8	UN2269	III	8	T8	154	203	241	5 L	60 L	A	
	Infectious substances, affecting animals <i>only</i>	6.2	UN2900		6.2	.....	134	196	None	50 mL or 4 L or 4 kg	4 L or 4 kg	B	
	Infectious substances, affecting humans	6.2	UN2814		6.2	.....	134	196	None	50 g 50 mL or 50 g	4 L or 4 kg	B	
	<i>Inflammable, see Flammable</i>	.....	.....			.....				.....	.....
	<i>Initiating explosives (dry)</i>	Forbidden	.....			.....				.....	.....
	<i>Inositol hexanitrate (dry)</i>	Forbidden	.....			.....				.....	.....
	Insecticide gases <i>flammable</i> n.o.s.	2.1	NA1954		2.1	.....	306	304	314, 315	75 kg	150 kg	D	
	Insecticide gases, n.o.s.	2.2	UN1968		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Insecticide gases, toxic, n.o.s.	2.3	UN1967		2.3	3	None	193, 334	245	Forbidden	Forbidden	D	40
	<i>Inulin trinitrate (dry)</i>	Forbidden	.....			.....				.....	.....
	<i>Iodine azide (dry)</i>	Forbidden	.....			.....				.....	.....
	Iodine monochloride	8	UN1792	II	8	B6, N41, T8, T26	None	202	242	Forbidden	50 kg	D	40, 66, 74, 89, 90
	Iodine pentafluoride	5.1	UN2495	I	5.1, 6.1	.....	None	205	243	Forbidden	2.5 L	D	25, 40, 66, 90
	2-Iodobutane	3	UN2390	II	3	T8	150	202	242	5 L	60 L	B	
	Iodomethylpropanes	3	UN2391	II	3	T8	150	202	242	5 L	60 L	B	
	Iodopropanes	3	UN2392	III	3	B1, T8	150	203	242	60 L	220 L	A	
	<i>Iodoxy compounds (dry)</i>	Forbidden	.....			.....				.....	.....
	<i>Iridium nitratopentamine irid- ium nitrate</i>	Forbidden	.....			.....				.....	.....
	<i>Iron chloride, see Ferric chloride</i>	.....	.....			.....				.....	.....
	Iron oxide, spent, <i>or</i> Iron sponge, spent <i>obtained from coal gas purification</i>	4.2	UN1376	III	4.2	B18	None	213	240	Forbidden	Forbidden	E	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Iron pentacarbonyl	6.1	UN1994	I	6.1, 3	1, B9, B14, B30, B72, B77, T38, T43, T44	None	192	244	Forbidden	Forbidden	D	40
	<i>Iron sesquichloride, see</i> Ferric chloride	.....	.....		.....	.....				.....	.....	.....
	<i>Irritating material, see</i> Tear gas substances, etc.	.....	.....		.....	.....				.....	.....	.....
	Isobutane <i>see also</i> Petroleum gases, liquefied	2.1	UN1969		2.1	19	306	304	314, 315	Forbidden	150 kg	E	40
	Isobutanol <i>or</i> isobutyl alcohol	3	UN1212	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Isobutyl acetate	3	UN1213	II	3	T1	150	202	242	5 L	60 L	B	
	Isobutyl acrylate, inhibited	3	UN2527	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Isobutyl alcohol, <i>see</i> Isobutanol	.....	.....		.....	.....				.....	.....	.....
	Isobutyl aldehyde, <i>see</i> Isobuty- raldehyde	.....	.....		.....	.....				.....	.....	.....
D	Isobutyl chloroformate	6.1	NA2742	I	6.1, 3, 8	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	1 L	30 L	A	12, 13, 22, 25, 40, 48, 100
+	Isobutyl formate	3	UN2393	II	3	T1	150	202	242	5 L	60 L	B	
	Isobutyl isobutyrate	3	UN2528	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Isobutyl isocyanate	3	UN2486	II	3, 6.1	1, B9, B14, B30, B72, T38, T43, T44	None	226	244	1 L	Forbidden	D	40
	Isobutyl methacrylate, inhibited	3	UN2283	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Isobutyl propionate	3	UN2394	III	3	B1, T1	150	203	242	60 L	220 L	B	
	Isobutylamine	3	UN1214	II	3, 8	B101, T8	None	202	243	1 L	5 L	B	40
	Isobutylene <i>see also</i> Petroleum gases, liquefied	2.1	UN1055		2.1	19	306	304	314, 315	Forbidden	150 kg	E	40
	Isobutyraldehyde <i>or</i> isobutyl aldehyde	3	UN2045	II	3	T8	150	202	242	5 L	60 L	E	40
	Isobutyric acid	3	UN2529	III	3, 8	B1, T1	150	203	242	5 L	60 L	A	
	Isobutyricanhydride	3	UN2530	III	3, 8	B1, T1	150	203	242	5 L	60 L	A	
	Isobutyronitrile	3	UN2284	II	3, 6.1	T17	None	202	243	1 L	60 L	E	40
	Isobutryl chloride	3	UN2395	II	3, 8	B100, T9, T26	None	202	243	1 L	5 L	C	40
	Isocyanates, toxic, n.o.s. <i>or</i> Isocyanate, solutions, toxic, n.o.s., flash point more than 61°C and boiling point less than 300°C	6.1	UN2206	II	6.1	T15	None	202	243	5 L	60 L	D	25, 40, 48
	Isocyanates, toxic, flammable, n.o.s. <i>or</i> Isocyanate solu- tions, toxic, flammable, n.o.s., flash point not less than 23°C but not more than 61°C and boiling point less than 300°C	6.1	UN3080	II	6.1, 3	T15	None	202	243	5 L	60 L	D	25, 40, 48
	Isocyanates, flammable, toxic, n.o.s. <i>or</i> Isocyanate solu- tions, flammable, toxic, n.o.s. flashpoint less than 23°C	3	UN2478	II	3, 6.1	5, A3, A7, T15	None	202	243	1 L	60 L	D	40
	Isocyanatobenzotrifluorides	6.1	UN2285	II	6.1, 3	5, B101, T14	None	202	243	5 L	60 L	B	25, 40, 48
	Isoheptenes	3	UN2287	II	3	T7	150	202	242	5 L	60 L	B	
	Isohexenes	3	UN2288	II	3	T7	150	202	242	5 L	60 L	E	
	<i>Isooctane, see</i> Octanes	.....	.....		.....	.....				.....	.....	.....
	Isooctenes	3	UN1216	II	3	T8	150	202	242	5 L	60 L	B	
	<i>Isopentane, see</i> Pentane	.....	.....		.....	.....				.....	.....	.....
	<i>Isopentanoic acid, see</i> Corro- sive liquids, n.o.s.	.....	.....		.....	.....				.....	.....	.....
	Isopentenes	3	UN2371	I	3	T20	150	201	243	1 L	30 L	E	
	Isophorone diisocyanate	6.1	UN2290	III	6.1	T7	153	203	241	60 L	220 L	B	40
	Isophoronediamine	8	UN2289	III	8	T8	154	203	241	5 L	60 L	A	
	Isoprene, inhibited	3	UN1218	I	3	T20	150	201	243	1 L	30 L	E	
	Isopropanol <i>or</i> Isopropyl alcohol	3	UN1219	II	3	T1	150	202	242	5 L	60 L	B	
	Isopropenyl acetate	3	UN2403	II	3	T1	150	202	242	5 L	60 L	B	
	Isopropenylbenzene	3	UN2303	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Isopropyl acetate	3	UN1220	II	3	T1	150	202	242	5 L	60 L	B	
	Isopropyl acid phosphate	8	UN1793	III	8	T7	154	213	240	25 kg	100 kg	A	
	Isopropyl alcohol, <i>see</i> Isopropanol	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
+	Isopropyl butyrate	3	UN2405	III	3	B1,T1	150	203	242	60 L	220 L	A	40
	Isopropyl chloroacetate	3	UN2947	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Isopropyl chloroformate	6.1	UN2407	I	6.1, 3, 8	2, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	Forbidden	B	
	Isopropyl-2-chloropropionate	3	UN2934	III	3	B1, T1	150	203	242	60 L	220 L	A	40
	Isopropyl isobutyrate	3	UN2406	II	3	T1	150	202	242	5 L	60 L	B	
	Isopropyl isocyanate	3	UN2483	I	3, 6.1	1, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	
	<i>Isopropyl mercaptan, see</i> <i>Propanethiols</i>	
	Isopropyl nitrate	3	UN1222	II	3	T25	150	202	None	5 L	60 L	D	
	<i>Isopropyl phosphoric acid, see</i> <i>Isopropyl acid phosphate</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Isopropyl propionate	3	UN2409	II	3	T1	150	202	242	5 L	60 L	B	
	Isopropylamine	3	UN1221	I	3, 8	T20	None	201	243	0.5 L	2.5 L	E	
	Isopropylbenzene	3	UN1918	III	3	B1, T1	150	203	242	60 L	220 L	A	
	<i>Isopropylcumyl hydroperoxide,</i> <i>more than 72% in solution</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Isosorbide dinitrate mixture with not less than 60% lactose, mannose, starch or calcium hydrogen phosphate	4.1	UN2907	II	4.1	.....	None	212	None	15 kg	50 kg	E
	Isosorbide-5-mononitrate	4.1	UN3251	III	4.1	66	151	213	240	Forbidden	Forbidden	D	
D	<i>Isothiocyanic acid</i>	Forbidden	24E
	<i>Jet fuel, see</i> Fuel aviation, turbine engine	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Jet perforating guns, charged oil well, with detonator	1.1D	NA0124	II	1.1D	55, 56	None	62	None	Forbidden	Forbidden	A	
	Jet perforating guns, charged oil well, with detonator	1.4D	NA0494	II	1.4D	55, 56	None	62	None	Forbidden	Forbidden	B	
	Jet perforating guns, charged oil well, without detonator	1.1D	UN0124	II	1.1D	55	None	62	None	Forbidden	Forbidden	B	
	Jet perforating guns, charged oil well, without detonator	1.4D	UN0494	II	1.4D	55, 114	None	62	None	Forbidden	300 kg	A	
	<i>Jet perforators, see</i> Charges, shaped, commercial etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Jet tappers, without detonator,</i> <i>see</i> Charges, shaped commer- cial, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Jet thrust igniters, for rocket</i> <i>motors or Jato, see</i> Igniters	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Jet thrust unit (Jato), see</i> Rocket motors	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
D	Kerosene	3	UN1223	III	3	B1, T1	150	203	242	60 L	220 L	A	26 34
	Ketones, liquid, n.o.s.	3	UN1224	I	3	T8, T31	None	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	T8, T31	150	202	242	5 L	60 L	B
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A
	Krypton, compressed	2.2	UN1056	.....	2.2	.....	306	302	None	75 kg	150 kg	A
	Krypton, refrigerated liquid (cryogenic liquid)	2.2	UN1970	.....	2.2	.....	320	None	None	50 kg	500 kg	B
	<i>Lacquer base or lacquer chips,</i> <i>nitrocellulose, dry, see</i> Nitro- cellulose, etc. (UN 2557)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Lacquer base or lacquer chips,</i> <i>plastic, wet with alcohol or</i> <i>solvent, see</i> Nitrocellulose (UN 2059, UN 2060, UN 2555, UN2556) or Paint etc. (UN1263)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lead acetate	6.1	UN1616	III	6.1	.....	153	213	240	100 kg	200 kg	A
	Lead arsenates	6.1	UN1617	II	6.1	.....	None	212	242	25 kg	100 kg	A
	Lead arsenites	6.1	UN1618	II	6.1	None	212	242	25 kg	100 kg	A	2E, 6E
	<i>Lead azide (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lead azide, wetted with not less than 20% water or mixture of alcohol and water, by mass	1.1A	UN0129	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	E	
	Lead compounds, soluble, n.o.s.	6.1	UN2291	III	6.1	.....	153	213	240	100 kg	200 kg	A
	Lead cyanide	6.1	UN1620	II	6.1	.....	None	212	242	25 kg	100 kg	A
	Lead dioxide	5.1	UN1872	III	5.1	A1	152	213	240	25 kg	100 kg	A	
	<i>Lead dross, see</i> Lead sulphate, <i>with more than 3% free acid</i>	
	
	
	

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D	Lead mononitroresorcinate	1.1A	NA0473	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	E	2E, 6E
	Lead nitrate	5.1	UN1469	II	5.1, 6.1	.....	None	212	242	5 kg	25 kg	A	
	Lead nitroresorcinate (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lead perchlorate, solid	5.1	UN1470	II	5.1, 6.1	T8	None	212	242	5 kg	25 kg	A	56, 58,
	Lead perchlorate, solution	5.1	UN1470	II	5.1, 6.1	T8	None	202	243	1 L	5 L	A	106
	Lead peroxide, see Lead dioxide	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56, 58,
	Lead phosphite, dibasic	4.1	UN2989	II	4.1	.....	None	212	240	5 kg	25 kg	B	34
	.....	.....	.....	III	4.1	.....	151	213	240	15 kg	50 kg	B	34
	Lead picrate (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lead styphnate (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lead styphnate, wetted or Lead trinitroresorcinate, wetted with not less than 20% water or mixture of alcohol and water, by mass	1.1A	UN0130	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	E	2E, 6E
	Lead sulfate with more than 3% free acid	8	UN1794	II	8	.....	154	212	240	15 kg	50 kg	A	.....
	Lead trinitroresorcinate, see Lead styphnate, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
D	Life-saving appliances, not self- inflating containing dangerous goods as equipment	9	UN3072	.....	None	.....	None	219	None	No limit	No limit	A	.....
	Life-saving appliances, self- inflating	9	UN2990	.....	None	.....	None	219	None	No limit	No limit	A	.....
	Lighter replacement cartridges containing liquefied petroleum gases (and similar devices, each not exceeding 65 grams), see Lighters or lighter refills etc. containing flammable gas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lighters for cigars, cigarettes, etc., with lighter fluids	3	NA1226	II	3	N10	None	21	None	Forbidden	Forbidden	B	.....
	Lighters, fuse	1.4S	UN0131	II	1.4S	.....	None	62	None	25 kg	100 kg	A	40
	Lighters or Lighter refills (ciga- rettes) containing flammable gas	2.1	UN1057	.....	2.1	N10	None	21, 308	None	1	15	B	
	Lime, unslaked, see Calcium oxide	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Liquefied gas, flammable, n.o.s.	2.1	UN3161	.....	2.1	.....	306	304	314, 315	Forbidden	150 kg	D	40
	Liquefied gas, n.o.s.	2.2	UN3163	.....	2.2	.....	306	304	314, 315	75 kg	150 kg	A	.....
	Liquefied gas, oxidizing, n.o.s.	2.2	UN3157	.....	2.2, 5.1	.....	306	304	314, 315	75 kg	150 kg	D	.....
	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A	2.3	UN3308	.....	2.3, 8	1	None	192	245	Forbidden	Forbidden	D	40
	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone B	2.3	UN3308	.....	2.3, 8	2	None	304	314, 315	Forbidden	Forbidden	D	40
	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone C	2.3	UN3308	.....	2.3, 8	3	None	304	314, 315	Forbidden	Forbidden	D	40
	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone D	2.3	UN3308	.....	2.3, 8	4	None	304	314, 315	Forbidden	Forbidden	D	40
I	Liquefied gas, toxic, flamma- ble, corrosive, n.o.s. Inhala- tion Hazard Zone A	2.3	UN3309	.....	2.3, 2.1, 8	1	None	192	245	Forbidden	Forbidden	D	17, 40
	Liquefied gas, toxic, flamma- ble, corrosive, n.o.s. Inhala- tion Hazard Zone B	2.3	UN3309	.....	2.3, 2.1, 8	2	None	304	314, 315	Forbidden	Forbidden	D	17, 40
	Liquefied gas, toxic, flamma- ble, corrosive, n.o.s. Inhala- tion Hazard Zone C	2.3	UN3309	.....	2.3, 2.1, 8	3	None	304	314, 315	Forbidden	Forbidden	D	17, 40
	Liquefied gas, toxic, flamma- ble, corrosive, n.o.s. Inhala- tion Hazard Zone D	2.3	UN3309	.....	2.3, 2.1, 8	4	None	304	314, 315	Forbidden	Forbidden	D	17, 40
	Liquefied gas, toxic, flamma- ble, n.o.s. Inhalation Hazard Zone A	2.3	UN3160	.....	2.3, 2.1	1	None	192	.....	Forbidden	Forbidden	D	40
	Liquefied gas, toxic, flamma- ble, n.o.s. Inhalation Hazard Zone B	2.3	UN3160	.....	2.3, 2.1	2, B9, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	Liquefied gas, toxic, flamma- ble, n.o.s. Inhalation Hazard Zone C	2.3	UN3160	2.3, 2.1	3, B14	None	304	314, 315	Forbidden	Forbidden	D40

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I	Liquefied gas, toxic, flamma- ble, 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
	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
	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
	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
	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
	Liquefied gas, toxic, oxidiz- ing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone A</i>	2.3	UN3310		2.3, 5.1, 8	1	None	192	245	Forbidden	Forbidden	D	40, 89, 90
	Liquefied gas, toxic, oxidiz- ing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone B</i>	2.3	UN3310		2.3, 2.1, 8	2	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
	Liquefied gas, toxic, oxidiz- ing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone C</i>	2.3	UN3310		2.3, 2.1, 8	3	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
	Liquefied gas, toxic, oxidiz- ing, corrosive, n.o.s. <i>Inhala- tion Hazard Zone D</i>	2.3	UN3310		2.3, 2.1, 8	4	None	304	314, 315	Forbidden	Forbidden	D	40, 89, 90
	Liquefied gas, toxic, oxidiz- ing, n.o.s. <i>Inhalation Hazard Zone A</i>	2.3	UN3307		2.3, 5.1	1	None	192	245	Forbidden	Forbidden	D	40
	Liquefied gas, toxic, oxidiz- ing, n.o.s. <i>Inhalation Hazard Zone B</i>	2.3	UN3307		2.3, 5.1	2	None	304	314, 315	Forbidden	Forbidden	D	40
	Liquefied gas, toxic, oxidiz- ing, n.o.s. <i>Inhalation Hazard Zone C</i>	2.3	UN3307		2.3, 5.1	3	None	304	314, 315	Forbidden	Forbidden	D	40
	Liquefied gas, toxic, oxidiz- ing, 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, <i>non-flamma- ble charged with nitrogen, carbon dioxide or air</i>	2.2	UN1058		2.2	.....	306	304	None	75 kg	150 kg	A	
	<i>Liquefied hydrocarbon gas, see Hydrocarbon gases, liquefied, n.o.s., etc.</i>	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Liquefied natural gas, see Meth- ane, etc. (UN 1972)</i>	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Liquefied petroleum gas see Petroleum gases, liquefied</i>	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lithium	4.3	UN1415	I	4.3	A7, A19, B100, N45	None	212	244	Forbidden	15 kg	E	
	<i>Lithium acetylide ethylenedi- amine complex, see Water reactive solid etc.</i>	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lithium alkyls	4.2	UN2445	I	4.2	B11, T28, T40	None	181	244	Forbidden	Forbidden	D	
	Lithium aluminum hydride	4.3	UN1410	I	4.3	A19, B100	None	211	242	Forbidden	15 kg	E	
	Lithium aluminum hydride, ethereal	4.3	UN1411	I	4.3, 3	A2, A3, A11, N34	None	201	244	Forbidden	1 L	D	40
	Lithium batteries, contained in equipment	9	UN3091	II	9	29	185(i)	185	None	5 kg	5 kg	A	
	Lithium battery	9	UN3090	II	9	29	185	185	None	5 kg	35 kg gross	A	
	Lithium borohydride	4.3	UN1413	I	4.3	A19, B100, N40	None	211	242	Forbidden	15 kg	E	
	Lithium ferrosilicon	4.3	UN2830	II	4.3	A19, B105, B106	151	212	241	15 kg	50 kg	E	40, 85, 103
	Lithium hydride	4.3	UN1414	I	4.3	A19, B100, N40	None	211	242	Forbidden	15 kg	E	
	Lithium hydride, fused solid	4.3	UN2805	II	4.3	A8, A19, A20, B101, B106	151	212	241	15 kg	50 kg	E	
	Lithium hydroxide, monohy- drate <i>or</i> Lithium hydroxide, solid	8	UN2680	II	8	.....	154	212	240	15 kg	50 kg	A	
	Lithium hydroxide, solution	8	UN2679	II	8	B2, T8	154	202	242	1 L	30 L	A	
	.....	.....	.....	III	8	T8	154	203	241	5 L	60 L	A	96
	Lithium hypochlorite, dry <i>or</i> Lithium hypochlorite mixtures, dry	5.1	UN1471	II	5.1	A9, N34	152	212	240	5 kg	25 kg	A	48, 56, 58, 69, 106, 116
	<i>Lithium in cartridges, see Lithium</i>

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+	Lithium nitrate	5.1	UN2722	III	5.1	A1	152	213	240	25 kg	100 kg	A	
	Lithium nitride	4.3	UN2806	I	4.3	A19, B101, B106, N40 A9, N34	None	211	242	Forbidden	15 kg	E	
	Lithium peroxide	5.1	UN1472	II	5.1		152	212	None	5 kg	25 kg	A	13, 75, 106
	Lithium silicon	4.3	UN1417	II	4.3	A19, A20, B105, B106	151	212	241	15 kg	50 kg	A	85, 103
	LNG, <i>see</i> Methane <i>etc.</i> (UN 1972)	.....	.....		.....	.....				.....	.....	.....
	London Purple	6.1	UN1621	II	6.1		None	212	242	25 kg	100 kg	A	
	LPG, <i>see</i> Petroleum gases, liquefied	.....	.....		.....	.....				.....	.....	.....
	Lye, <i>see</i> Sodium hydroxide, solutions	.....	.....		.....	.....				.....	.....	.....
	Magnesium alkyls	4.2	UN3053	I	4.2	B11, T28, T29, T40 A19, B100, N34, N40	None	181	244	Forbidden	Forbidden	D	18
	Magnesium aluminum phosphide	4.3	UN1419	I	4.3, 6.1		None	211	242	Forbidden	15 kg	E	40, 85
	Magnesium arsenate	6.1	UN1622	II	6.1		None	212	242	25 kg	100 kg	A	
	Magnesium bisulfite solution, <i>see</i> Bisulfites, aqueous solu- tions, n.o.s.	.....	.....		.....	.....				.....	.....	.....
	Magnesium bromate	5.1	UN1473	II	5.1	A1	152	212	242	5 kg	25 kg	A	56, 58, 106
	Magnesium chlorate	5.1	UN2723	II	5.1		152	212	242	5 kg	25 kg	A	56, 58, 106
	Magnesium diamide	4.2	UN2004	II	4.2	A8, A19, A20	None	212	241	15 kg	50 kg	C	
	Magnesium diphenyl	4.2	UN2005	I	4.2		None	187	244	Forbidden	Forbidden	C	
	Magnesium dross, wet or hot	Forbidden	.....		.....	.....				.....	.....	.....
	Magnesium fluorosilicate	6.1	UN2853	III	6.1		153	213	240	100 kg	200 kg	A	26
	Magnesium granules, coated <i>particle size not less than 149 microns</i>	4.3	UN2950	III	4.3	A1, A19, B108	151	213	240	25 kg	100 kg	A	
	Magnesium hydride	4.3	UN2010	I	4.3	A19, B100, N40	None	211	242	Forbidden	15 kg	E	
	Magnesium or Magnesium alloys with more than 50% magnesium in pellets, turn- ings or ribbons	4.1	UN1869	III	4.1	A1	151	213	240	25 kg	100 kg	A	39
	Magnesium nitrate	5.1	UN1474	III	5.1	A1	152	213	240	25 kg	100 kg	A	
	Magnesium perchlorate	5.1	UN1475	II	5.1		152	212	242	5 kg	25 kg	A	56, 58, 106
	Magnesium peroxide	5.1	UN1476	II	5.1		152	212	242	5 kg	25 kg	A	13, 75, 106
	Magnesium phosphide	4.3	UN2011	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	40, 85
	Magnesium, powder or Magne- sium alloys, powder	4.3	UN1418	I	4.3, 4.2	A19, B56	None	211	244	Forbidden	15 kg	A	39
	.....	.....	.....	II	4.3, 4.2	A19, B56, B101, B106	None	212	241	15 kg	50 kg	A	39
	.....	.....	.....	III	4.3, 4.2	A19, B56, B106, B108	None	213	241	25 kg	100 kg	A	39
	Magnesium scrap, <i>see</i> Magne- sium, <i>etc.</i> (UN 1869)	.....	.....		.....	.....				.....	.....	.....
D	Magnesium silicide	4.3	UN2624	II	4.3	A19, A20, B105, B106	151	212	241	15 kg	50 kg	B	85, 103
	Magnetized material, <i>see</i> section 173.21	.....	.....		.....	.....				.....	.....	.....
	Maleic acid	8	NA2215	III	8		154	213	240	25 kg	100 kg	A	
	Maleic anhydride	8	UN2215	III	8	T7	154	213	240	25 kg	100 kg	A	
	Malononitrile	6.1	UN2647	II	6.1		None	212	242	25 kg	100 kg	A	12
	Maneb or Maneb preparations with not less than 60% maneb	4.2	UN2210	III	4.2, 4.3	57, A1, A19, B105	None	213	242	25 kg	100 kg	A	34
	Maneb stabilized or Maneb preparations, stabilized <i>against self-heating</i>	4.3	UN2968	III	4.3	54, A1, A19, B108	151	213	242	25 kg	100 kg	B	34
	Manganese nitrate	5.1	UN2724	III	5.1	A1	152	213	240	25 kg	100 kg	A	
	Manganese resinate	4.1	UN1330	III	4.1	A1	151	213	240	25 kg	100 kg	A	
	Mannitan tetranitrate	Forbidden	.....		.....	.....				.....	.....	.....
	Mannitol hexanitrate (dry)	Forbidden	.....		.....	.....				.....	.....	.....
	Mannitol hexanitrate, wetted or Nitromannite, wetted with not less than 40% water, or mixture of alcohol and water, by mass	1.1D	UN0133	II	1.1D	121	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Marine pollutants, liquid or solid, n.o.s., <i>see</i> Environmen- tally hazardous substances, liquid or solid n.o.s.	.....	.....		.....	.....				.....	.....	.....

Sym- bols (1)	Hazardous Materials Descriptions and Proper Shipping Names (2)	Hazard Class Or Division (3)	Identifica- tion Numbers (4)	PG (5)	Label Codes (6)	Special Provisions (7)	(8) Packaging (\$173.***)			(9) Quantity Limitations		(10) Vessel Stowage	
							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D	<i>Matches, block, see</i> Matches, 'strike anywhere'	.....	.....		.....	.....				.....	.....	.....
	Matches, fusee	4.1	UN2254	III	4.1	.....	186	186	None	Forbidden	Forbidden	A	
	Matches, safety (<i>book, card or strike on box</i>)	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	
	<i>Matting acid, see</i> Sulfuric acid	.....	.....		.....	.....				.....	.....	.....
	Medicine, liquid, flammable, toxic, n.o.s.	3	UN3248	II	3, 6.1	36	None	202	None	1 L	5 L	B	40
	Medicine, liquid, toxic, n.o.s.	6.1	UN1851	III	6.1	36	150	203	None	5 L	5 L	A	
	Medicine, solid, toxic, n.o.s.	6.1	UN3249	II	6.1	.....	153	202	243	5 L	5 L	C	40
	Medicines, <i>corrosive, liquid, n.o.s.</i>	8	NA1760	III	6.1	.....	153	203	241	5 L	5 L	C	40
D	Medicines, <i>corrosive, solid, n.o.s.</i>	8	NA1759	II	8	B3	153	213	None	5 kg	5 kg	C	40
	Medicines, <i>corrosive, solid, n.o.s.</i>	8	NA1759	II	8	.....	154	202	242	1 L	30 L	B	40
D	Medicines, <i>flammable, liquid, n.o.s.</i>	3	NA1993	III	8	.....	154	203	241	5 L	60 L	A	40
	Medicines, <i>flammable, liquid, n.o.s.</i>	3	NA1993	I	3	.....	154	212	240	15 kg	50 kg	A	
D	Medicines, <i>flammable, solid, n.o.s.</i>	4.1	NA1325	III	8	.....	150	213	240	25 kg	100 kg	A	
	Medicines, <i>flammable, solid, n.o.s.</i>	4.1	NA1325	I	3	.....	150	201	243	1 L	30 L	E	
D	Medicines, <i>oxidizing substance, solid, n.o.s.</i>	5.1	NA1479	II	4.1	.....	150	202	242	5 L	60 L	B	
	Medicines, <i>oxidizing substance, solid, n.o.s.</i>	5.1	NA1479	II	4.1	.....	150	203	242	60 L	220 L	A	
+	<i>Mentetrahydrophthalic anhydride, see</i> Corrosive liquids, n.o.s.	.....	.....		.....	.....				.....	.....	.....
	Mercaptans, liquid, flammable, toxic, n.o.s. <i>or</i> Mercaptan mixtures, liquid, flammable, toxic, n.o.s.	3	UN1228	II	3, 6.1	T13	None	202	243	Forbidden	60 L	B	40, 95
	Mercaptans, liquid, toxic, flammable, n.o.s. <i>or</i> Mercaptan mixtures, liquid, toxic, flammable, n.o.s., <i>flash point not less than 23°C</i>	6.1	UN3071	III	3, 6.1	B1, T8	150	203	242	5 L	220 L	A	40, 95
	5-Mercaptotetrazol-1-acetic acid	1.4C	UN0448	II	6.1, 3	T14	None	202	243	5 L	60 L	C	40, 121
	Mercuric arsenate	6.1	UN1623	II	1.4C	.....	None	62	None	Forbidden	75 kg	E	1E, 5E, 24E
	Mercuric chloride	6.1	UN1624	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	<i>Mercuric compounds, see</i> Mercury compounds, <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Mercuric nitrate	6.1	UN1625	II	6.1	N73	None	212	242	25 kg	100 kg	A	
	Mercuric potassium cyanide	6.1	UN1626	I	6.1	N74, N75	None	211	242	5 kg	50 kg	A	26
	<i>Mercuric sulfocyanate, see</i> Mercury thiocyanate	.....	.....		.....	.....				.....	.....	.....
A, W	<i>Mercuriol, see</i> Mercury nucleate	.....	.....		.....	.....				.....	.....	.....
	<i>Mercurous azide</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Mercurous compounds, see</i> Mercury compounds, <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Mercurous nitrate	6.1	UN1627	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury	8	UN2809	III	8	.....	164	164	240	35 kg	35 kg	B	40, 97
	Mercury acetate	6.1	UN1629	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	<i>Mercuryacetylde</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Mercury ammonium chloride	6.1	UN1630	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury-based pesticides, liquid, flammable, toxic, n.o.s. <i>flash point less than 23°C</i>	3	UN2778	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	Mercury-based pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less than 23°C</i>	6.1	UN3011	II	3, 6.1	.....	None	202	243	1 L	60 L	B	40
	Mercury-based pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less than 23°C</i>	6.1	UN3011	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	Mercury-based pesticides, liquid, toxic, n.o.s.	6.1	UN3012	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	Mercury-based pesticides, liquid, toxic, n.o.s.	6.1	UN3012	III	6.1, 3	T14	153	202	241	60 L	220 L	A	40
	Mercury-based pesticides, liquid, toxic, n.o.s.	6.1	UN3012	I	6.1	T42	None	201	243	1 L	30 L	B	40
	Mercury-based pesticides, liquid, toxic, n.o.s.	6.1	UN3012	II	6.1	T14	None	202	243	5 L	60 L	B	40
	Mercury-based pesticides, liquid, toxic, n.o.s.	6.1	UN3012	III	6.1	T14	153	203	241	60 L	220 L	A	40

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A	Mercury-based pesticides, solid, toxic, n.o.s.	6.1	UN2777	I	6.1	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	Mercury benzoate	6.1	UN1631	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury bromides	6.1	UN1634	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury compounds, liquid, n.o.s.	6.1	UN2024	I	6.1	.....	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	.....	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	.....	153	203	241	60 L	220 L	B	40
	Mercury compounds, solid, n.o.s.	6.1	UN2025	I	6.1	.....	None	211	242	5 kg	50 kg	A	
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Mercury contained in manufac- tured articles	8	UN2809	III	8	.....	None	164	None	No limit	No limit	B	40, 97
	Mercury cyanide	6.1	UN1636	II	6.1	N74, N75	None	212	242	25 kg	100 kg	A	26
	Mercury fulminate, wetted with not less than 20% water, or mixture of alcohol and water, by mass	1.1A	UN0135	II	1.1A	111, 117	None	62	None	Forbidden	Forbidden	E	2E, 6E
	Mercury gluconate	6.1	UN1637	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury iodide, solid	6.1	UN1638	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury iodide aquabasic ammonobasic (Iodide of Millon's base)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mercury iodide, solution	6.1	UN1638	II	6.1	.....	None	202	243	5 L	60 L	A	
	Mercury nitride	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mercury nucleate	6.1	UN1639	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury oleate	6.1	UN1640	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury oxide	6.1	UN1641	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury oxycyanide	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mercury oxycyanide, desen- sitized	6.1	UN1642	II	6.1	.....	None	212	242	25 kg	100 kg	A	26, 91
+	Mercury potassium iodide	6.1	UN1643	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury salicylate	6.1	UN1644	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury sulfates	6.1	UN1645	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Mercury thiocyanate	6.1	UN1646	II	6.1	.....	None	212	242	25 kg	100 kg	A	
D	Mesityl oxide	3	UN1229	III	3	B1, T1	None	203	242	60 L	220 L	A	
	Metal alkyl halides, n.o.s. or Metal aryl halides, n.o.s.	4.2	UN3049	I	4.2	B9, B11, T28, T29, T40	None	181	244	Forbidden	Forbidden	D	
	Metal alkyl hydrides, n.o.s. or Metal aryl hydrides, n.o.s.	4.2	UN3050	I	4.2	B9, B11, T28, T29, T40	None	181	244	Forbidden	Forbidden	D	
	Metal alkyl, solution, n.o.s.	3	NA9195	II	3	.....	150	202	242	1 L	4 L	B	
	Metal alkyls, n.o.s. or Metal aryls, n.o.s.	4.2	UN2003	I	4.2	B11, T42	None	181	244	Forbidden	Forbidden	D	
	Metal carbonyls, n.o.s.	6.1	UN3281	I	6.1	5	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T7	153	203	241	60 L	220 L	A	40
	Metal catalyst, dry	4.2	UN2881	I	4.2	N34	None	187	None	Forbidden	Forbidden	C	
	.....	.....	.....	II	4.2	N34	None	187	242	Forbidden	50 kg	C	
	.....	.....	.....	III	4.2	N34	None	187	241	25 kg	100 kg	C	
	Metal catalyst, wetted with a visible excess of liquid	4.2	UN1378	II	4.2	A2, A8, N34	None	212	None	Forbidden	50 kg	C	
	Metal hydrides, flammable, n.o.s.	4.1	UN3182	II	4.1	A1	151	212	240	15 kg	50 kg	E	
	.....	.....	.....	III	4.1	A1	151	213	240	25 kg	100 kg	E	
	Metal hydrides, water reactive, n.o.s.	4.3	UN1409	I	4.3	A19, B100, N34, N40	None	211	242	Forbidden	15 kg	D	
	.....	.....	.....	II	4.3	A19, B101, B106, N34, N40	151	212	242	15 kg	50 kg	D	
	Metal powder, self-heating, n.o.s.	4.2	UN3189	II	4.2	.....	None	212	241	15 kg	50 kg	C	
	.....	.....	.....	III	4.2	.....	None	213	241	25 kg	100 kg	C	
	Metal powders, flammable, n.o.s.	4.1	UN3089	II	4.1	.....	151	212	240	15 kg	50 kg	B	
	.....	.....	.....	III	4.1	.....	151	212	240	25 kg	100 kg	B	
	Metal salts of methyl nitramine (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Metal salts of organic compounds, flammable, n.o.s.	4.1	UN3181	II	4.1	A1	151	212	240	15 kg	50 kg	B	40
	III	4.1	A1	151	213	240	25 kg	100 kg	B	40
	Metaldehyde	4.1	UN1332	III	4.1	A1	151	213	240	25 kg	100 kg	A	

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+	Metallic substance, water-reactive, n.o.s.	4.3	UN3208	I	4.3	B101, B106	None	211	242	Forbidden	15 kg	E	40
	.....			II	4.3	B101, B106	151	212	242	15 kg	50 kg	E	40
	.....			III	4.3	B105, B108	151	213	241	25 kg	100 kg	E	40
	Metallic substance, water-reactive, self-heating, n.o.s.	4.3	UN3209	I	4.3, 4.2	B100	None	211	242	Forbidden	15 kg	E	40
	.....			II	4.3, 4.2	B101, B106	None	212	242	15 kg	50 kg	E	40
	.....			III	4.3, 4.2	B101, B106	None	213	242	25 kg	100 kg	E	40
	Methacrylaldehyde, inhibited	3	UN2396	II	3, 6.1	T8	None	202	243	1 L	60 L	E	40
	Methacrylic acid, inhibited	8	UN2531	III	8	T8, T47	154	203	241	5 L	60 L	A	
	Methacrylonitrile, inhibited	3	UN3079	I	3, 6.1	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	30 L	D	12, 40, 48
	Methallyl alcohol	3	UN2614	III	3	B1, T1	150	203	242	60 L	220 L	A	
D	Methane and hydrogen, mixtures, see Hydrogen and methane, mixtures, etc.												
	Methane, compressed or Natural gas, compressed (with high methane content)	2.1	UN1971		2.1		306	302	302	Forbidden	150 kg	E	40
	Methane, refrigerated liquid (cryogenic liquid) or Natural gas, refrigerated liquid (cryogenic liquid)(with high methane content)	2.1	UN1972		2.1		None	None	318	Forbidden	Forbidden	D	40
	Methanesulfonyl chloride	6.1	UN3246	I	6.1, 8	2, 25, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Methanol	3	UN1230	II	3	T8	150	202	242	1 L	60 L	B	40
	Methanol	3	UN1230	II	3, 6.1	T8	150	202	242	1 L	60 L	B	40
	Methazoic acid	Forbidden											
	4-Methoxy-4-methylpentan-2-one	3	UN2293	III	3	B1, T1	150	203	242	60 L	220 L	A	
	1-Methoxy-2-propanol	3	UN3092	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Methoxymethyl isocyanate	3	UN2605	I	3, 6.1	1, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	40
I	Methyl acetate	3	UN1231	II	3	B101, T8	150	202	242	5 L	60 L	B	
	Methyl acetylene and propadiene mixtures, stabilized	2.1	UN1060		2.1		306	304	314, 315	Forbidden	150 kg	B	40
	Methyl acrylate, inhibited	3	UN1919	II	3	T8	150	202	242	5 L	60 L	B	
	Methyl alcohol see Methanol												
	Methyl allyl chloride	3	UN2554	II	3	B101, T8	150	202	242	5 L	60 L	E	
	Methyl amyl ketone, see Amyl methyl ketone												
	Methyl bromide	2.3	UN1062		2.3	3, B14	None	193	314, 315	Forbidden	25 kg	D	40
	Methyl bromide and chloropicrin mixtures with more than 2% chloropicrin, see Chloropicrin and methyl bromide mixtures												
	Methyl bromide and chloropicrin mixtures with not more than 2% chloropicrin, see Methyl bromide												
	Methyl bromide and ethylene dibromide mixtures, liquid	6.1	UN1647	I	6.1	2, B9, B14, B32, B74, N65, T38, T43, T45	None	227	244	Forbidden	30 L	C	40
+	Methyl bromoacetate	6.1	UN2643	II	6.1	B100, T8	None	202	243	5 L	60 L	D	40
	3-Methyl-1-butene	3	UN2561	I	3	T20	None	201	243	1 L	30 L	E	
	2-Methyl-1-butene	3	UN2459	I	3	T14	None	201	243	1 L	30 L	E	
	2-Methyl-2-butene	3	UN2460	II	3	T14	None	202	242	5 L	60 L	E	
	Methyl tert-butyl ether	3	UN2398	II	3	B101, T14	150	202	242	5 L	60 L	E	
	Methyl butyrate	3	UN1237	II	3	T1	150	202	242	5 L	60 L	B	
	Methyl chloride or Refrigerant gas R 40	2.1	UN1063		2.1		306	304	314, 315	5 kg	100 kg	D	40
	Methyl chloride and chloropicrin mixtures, see Chloropicrin and methyl chloride mixtures.												
	Methyl chloride and methylene chloride mixtures	2.1	UN1912		2.1		306	304	314, 315	Forbidden	150 kg	D	40

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	Methyl chloroacetate <i>Methyl chlorocarbonate, see</i> Methyl chloroformate <i>Methyl chloroform, see</i> 1,1,1- Trichloroethane	6.1	UN2295	I	6.1, 3	T42	None	201	243	1 L	30 L	D	
	Methyl chloroformate	6.1	UN1238	I	6.1, 3, 8	1, B9, B14, B30, B72, N34, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	21, 40, 100
	Methyl chloromethyl ether	6.1	UN1239	I	6.1, 3	1, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	40
	Methyl-2-chloropropionate	3	UN2933	III	3	B1, T7	150	203	242	60 L	220 L	A	
	Methyl dichloroacetate	6.1	UN2299	III	6.1	T1	153	203	241	60 L	220 L	A	
	<i>Methyl ethyl ether, see</i> Ethyl methyl ether	.....	.....		.....	.....				.....	.....	.....
	Methyl ethylketone, <i>see</i> Ethyl methyl ketone	.....	.....		.....	.....				.....	.....	.....
	<i>Methyl ethyl ketone peroxide,</i> <i>in solution with more than</i> <i>9% by mass active oxygen</i>	Forbidden	.....		.....	.....				.....	.....	.....
	2-Methyl-5-ethylpyridine	6.1	UN2300	III	6.1	T7	153	203	241	60 L	220 L	A	
	Methyl fluoride <i>or</i> Refrigerant gas R 41	2.1	UN2454		2.1	.....	306	304	314, 315	Forbidden	150 kg	E	40
	Methyl formate	3	UN1243	I	3	T20	150	201	243	1 L	30 L	E	
	2-Methyl-2-heptanethiol	6.1	UN3023	I	6.1, 3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40, 102
	Methyl iodide	6.1	UN2644	I	6.1	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	A	12, 40
	Methyl isobutyl carbinol	3	UN2053	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Methyl isobutyl ketone	3	UN1245	II	3	T1	150	202	242	5 L	60 L	B	
	<i>Methyl isobutyl ketone perox- ide, in solution with more</i> <i>than 9% by mass active</i> <i>oxygen</i>	Forbidden	.....		.....	.....				.....	.....	.....
	Methyl isocyanate	6.1	UN2480	I	6.1, 3	1, A7, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	26, 40
	Methyl isopropenyl ketone, inhibited	3	UN1246	II	3	T7	150	202	242	5 L	60 L	B	
	Methyl isothiocyanate	6.1	UN2477	I	6.1, 3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	A	
	Methyl isovalerate	3	UN2400	II	3	T1	150	202	242	5 L	60 L	B	
	Methyl magnesium bromide, in ethyl ether	4.3	UN1928	I	4.3, 3	.....	None	201	243	Forbidden	1 L	D	
	Methyl mercaptan	2.3	UN1064		2.3, 2.1	3, B7, B9, B14	None	304	314, 315	Forbidden	25 kg	D	40
	<i>Methyl mercaptopropionalde- hyde, see</i> Thia-4-pentanal	.....	.....		.....	.....				.....	.....	.....
	Methyl methacrylate mono- mer, inhibited	3	UN1247	II	3	T8	150	202	242	5 L	60 L	B	40
	<i>Methyl nitramine (dry)</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Methyl nitrate</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Methyl nitrite</i>	Forbidden	.....		.....	.....				.....	.....	.....
	<i>Methyl norbornene dicarbox- ylic anhydride, see</i> Corro- sive liquids, n.o.s.	.....	.....		.....	.....				.....	.....	.....
	Methyl orthosilicate	6.1	UN2606	I	6.1, 3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	30 L	E	40
D	Methyl parathion <i>liquid</i>	6.1	NA3018	II	6.1	N76, T14	None	202	243	Forbidden	1 L	A	40
D	Methyl parathion <i>solid</i>	6.1	NA2783	II	6.1	N77	None	212	242	25 kg	100 kg	A	40
D	Methyl phosphonic dichloride	6.1	NA9206	I	6.1, 8	2, A3, B9, B14, B32, B74, N34, N43, T38, T43, T45	None	227	244	Forbidden	Forbidden	C	

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D	<i>Methyl phosphonothioic dichloride, anhydrous, see Corrosive liquid, n.o.s.</i>	6.1	NA2845	I	6.1, 4.2	2, B9, B14, B16, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	18
	<i>Methyl phosphonous dichloride, pyrophoric liquid</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Methyl picric acid (heavy metal salts of)</i>	3	UN1248	II	3	B101, T2	150	202	242	5 L	60 L	B	40
	<i>Methyl propionate</i>	3	UN2612	II	3	T14	150	202	242	5 L	60 L	E	
	<i>Methyl propyl ether</i>	3	UN1249	II	3	T1	150	202	242	5 L	60 L	B	
	<i>Methyl propyl ketone</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Methyl sulfate, see Dimethyl sulfate</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Methyl sulfide, see Dimethyl sulfide</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Methyl trichloroacetate</i>	6.1	UN2533	III	6.1	T1	153	203	241	60 L	220 L	A	.....
	<i>Methyl trimethylol methane trinitrate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Methyl vinyl ketone, stabilized</i>	6.1	UN1251	I	6.1, 3, 8	1, 25, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	B	40
	<i>Methylal</i>	3	UN1234	II	3	T14	None	202	242	5 L	60 L	E	40
	<i>Methylamine, anhydrous</i>	2.1	UN1061	II	2.1	25	306	304	314, 315	Forbidden	150 kg	B	
	<i>Methylamine, aqueous solution</i>	3	UN1235	II	3, 8	B1, T8	150	202	243	1 L	5 L	E	
	<i>Methylamine dinitramine and dry salts thereof</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Methylamine nitroform</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Methylamine perchlorate (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Methylamyl acetate</i>	3	UN1233	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	<i>N-Methylaniline</i>	6.1	UN2294	III	6.1	T7	153	203	241	60 L	220 L	A	.....
	<i>alpha-Methylbenzyl alcohol</i>	6.1	UN2937	III	6.1	T1	153	203	241	60 L	220 L	A	.....
	<i>3-Methylbutan-2-one</i>	3	UN2397	II	3	T1	150	202	242	5 L	60 L	B	.....
	<i>N-Methylbutylamine</i>	3	UN2945	II	3, 8	T8	None	202	243	1 L	5 L	B	40
D	<i>Methylchlorosilane</i>	2.3	UN2534	.....	2.3, 2.1, 8	2, A2, A3, A7, B9, B14, N34	None	226	314, 315	Forbidden	Forbidden	D	17, 40
	<i>Methylcyclohexane</i>	3	UN2296	II	3	B1, T1	150	202	242	5 L	60 L	B	.....
	<i>Methylcyclohexanols, flammable</i>	3	UN2617	III	3	B1, T2	150	203	242	60 L	220 L	A	.....
	<i>Methylcyclohexanone</i>	3	UN2297	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	<i>Methylcyclopentane</i>	3	UN2298	II	3	T8	150	202	242	5 L	60 L	B	.....
	<i>Methyldichloroarsine</i>	6.1	NA1556	I	6.1	2	None	192	None	Forbidden	Forbidden	D	40, 95
	<i>Methyldichlorosilane</i>	4.3	UN1242	I	4.3, 8, 3	A2, A3, A7, B6, B77, N34, T16, T26	None	201	243	Forbidden	1 L	D	21, 28, 40, 49, 100
	<i>Methylene chloride, see Dichloromethane</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Methylene glycol dinitrate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>2-Methylfuran</i>	3	UN2301	II	3	T7	150	202	242	5 L	60 L	E	.....
	<i>a-Methylglucoside tetranitrate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>a-Methylglycerol trinitrate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>5-Methylhexan-2-one</i>	3	UN2302	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	<i>Methylhydrazine</i>	6.1	UN1244	I	6.1, 3, 8	1, B7, B9, B14, B30, B72, B77, N34, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	21, 40, 49, 100
	<i>4-Methylmorpholine or n-methylmorpholine</i>	3	UN2535	II	3, 8	B6, T8	None	202	243	1 L	5 L	B	40
	<i>Methylpentadienes</i>	3	UN2461	II	3	T7	150	202	242	5 L	60 L	E	.....
	<i>2-Methylpentan-2-ol</i>	3	UN2560	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	<i>Methylpentanes, see Hexanes</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Methylphenyldichlorosilane</i>	8	UN2437	II	8	T8, T26	154	202	242	1 L	30 L	C	40
	<i>1-Methylpiperidine</i>	3	UN2399	II	3, 8	T8	None	202	243	1 L	5 L	B	.....
	<i>Methyltetrahydrofuran</i>	3	UN2536	II	3	B101, T7	150	202	242	5 L	60 L	B	.....
	<i>Methyltrichlorosilane</i>	3	UN1250	I	3, 8	A7, B6, B77, N34, T14, T26	None	201	243	Forbidden	2.5 L	B	40
	<i>alpha-Methylvaleraldehyde</i>	3	UN2367	II	3	B1, T1	150	203	242	60 L	220 L	B
	<i>Mine rescue equipment containing carbon dioxide, see Carbon dioxide</i>

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D D	Mines with bursting charge	1.1F	UN0136	II	1.1F		62	None	Forbidden	Forbidden	E	
	Mines with bursting charge	1.1D	UN0137	II	1.1D	.....		62	None	Forbidden	Forbidden	B	3E, 7E
	Mines with bursting charge	1.2D	UN0138	II	1.2D	.....		62	None	Forbidden	Forbidden	B	3E, 7E
	Mines with bursting charge	1.2F	UN0294	II	1.2F	.....		62	None	Forbidden	Forbidden	E	
	Mixed acid, see Nitrating acid, mixtures etc.	.....	.....		.....	.....				.....	.....	.....
	Mobility aids, see Wheel chair, electric	.....	.....		.....	.....				.....	.....	.....
	Model rocket motor	1.4C	NA0276	II	1.4C	51	None	62	None	Forbidden	75 kg	A	24E
	Model rocket motor	1.4S	NA0323	II	1.4S	51	None	62	None	25 kg	100 kg	A	9E
	Molybdenum pentachloride	8	UN2508	III	8	T8, T26	154	213	240	25 kg	100 kg	C	40
	Monochloroacetone (unsta- bilized)	Forbidden	.....		.....	.....				.....	.....	.....
	Monochloroethylene, see Vinyl chloride, inhibited	.....	.....		.....	.....				.....	.....	.....
	Monoethanolamine, see Etha- nolamine, solutions	.....	.....		.....	.....				.....	.....	.....
	Monoethylamine, see Ethy- lamine	.....	.....		.....	.....				.....	.....	.....
	Morpholine	3	UN2054	III	3	B1,T1	150	203	242	60 L	220 L	A	
	Morpholine, aqueous, mixture, see Corrosive liquids, n.o.s.	.....	.....		.....	.....				.....	.....	.....
	Motor fuel anti-knock compounds see Motor fuel anti-knock mixtures	.....	.....		.....	.....				.....	.....	.....
	Motor fuel anti-knock mixtures	6.1	UN1649	I	6.1, 3	14, B9, B90, T26, T39	None	201	244	Forbidden	30 L	D	25, 40
	Motor spirit, see Gasoline	.....	.....		.....	.....				.....	.....	.....
	Muriatic acid, see Hydrochlo- ric acid solution	.....	.....		.....	.....				.....	.....	.....
	Musk xylene, see 5-tert- Butyl2,4,6-trinitro-m-xylene	.....	.....		.....	.....				.....	.....	.....
	Naphtha see Petroleum distal- late n.o.s.	.....	.....		.....	.....				.....	.....	.....
	Naphthalene, crude or Naph- thalene, refined	4.1	UN1334	III	4.1	A1	151	213	240	25 kg	100 kg	A	
	Naphthalene diozonide	Forbidden	.....		.....	.....				.....	.....	.....
	Naphthalene, molten	4.1	UN2304	III	4.1	A1, T8	151	213	241	Forbidden	Forbidden	C	
	Naphthyl amineperchlorate	Forbidden	.....		.....	.....				.....	.....	.....
	alpha-Naphthylamine	6.1	UN2077	III	6.1	T7	153	213	240	100 kg	200 kg	A	
	beta-Naphthylamine	6.1	UN1650	II	6.1	T12, T26	None	212	242	25 kg	100 kg	A	
	Naphthylamineperchlorate	Forbidden	.....		.....	.....				.....	.....	.....
	Naphthylthiourea	6.1	UN1651	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Naphthylurea	6.1	UN1652	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Natural gases (with high meth- ane content), see Methane, etc. (UN 1971, UN 1972)	.....	.....		.....	.....				.....	.....	.....
	Neohexane, see Hexanes	.....	.....		.....	.....				.....	.....	.....
	Neon, compressed	2.2	UN1065		2.2	.....	306	302	302	75 kg	150 kg	A	
	Neon, refrigerated liquid (cryo- genic liquid)	2.2	UN1913		2.2	.....	320	316	None	50 kg	500 kg	B	
	New explosive or explosive device, see sections 173.51 and 173.56	.....	.....		.....	.....				.....	.....	.....
	Nickel carbonyl	6.1	UN1259	I	6.1, 3	1	None	198	None	Forbidden	Forbidden	D	18, 40
	Nickel cyanide	6.1	UN1653	II	6.1	N74, N75	None	212	242	25 kg	100 kg	A	26
	Nickel nitrate	5.1	UN2725	III	5.1	A1	152	213	240	25 kg	100 kg	A	
	Nickel nitrite	5.1	UN2726	III	5.1	A1	152	213	240	25 kg	100 kg	A	56, 58
	Nickel picrate	Forbidden	.....		.....	.....				.....	.....	.....
	Nicotine	6.1	UN1654	II	6.1	.....	None	202	243	5 L	60 L	A	
	Nicotine compounds, liquid, n.o.s. or Nicotine prepara- tions, liquid, n.o.s.	6.1	UN3144	I	6.1	A4, T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T7	153	203	241	60 L	220 L	B	40
	Nicotine compounds, solid, n.o.s. or Nicotine prepara- tions, solid, n.o.s.	6.1	UN1655	I	6.1	.....	None	211	242	5 kg	50 kg	B	
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Nicotine hydrochloride or Nico- tine hydrochloride solution	6.1	UN1656	II	6.1	None	202	243	5 L	60 L	A	

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+	Nicotine salicylate	6.1	UN1657	II	6.1	None	212	242	25 kg	100 kg	A	
	Nicotine sulfate, <i>solid</i>	6.1	UN1658	II	6.1	None	212	242	25 kg	100 kg	A	
	Nicotine sulfate, <i>solution</i>	6.1	UN1658	II	6.1	T14	None	202	243	5 L	60 L	A	
	Nicotine tartrate	6.1	UN1659	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	<i>Nitrated paper (unstable)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrates, inorganic, aqueous solu- tion, n.o.s.	5.1	UN3218	II	5.1	58, T8	152	202	242	1 L	5 L	B	46
	.....	.....	.....	III	5.1	58, T8	152	203	241	2.5 L	30 L	B	46
	Nitrates, inorganic, n.o.s.	5.1	UN1477	II	5.1	.....	152	212	240	5 kg	25 kg	A	46
	.....	.....	.....	III	5.1	.....	152	213	240	25 kg	100 kg	A	46
	<i>Nitrates of diazonium compounds</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrating acid mixtures spent <i>with not more than 50% nitric acid</i>	8	UN1826	II	8	B2, B100, T12, T27	None	158	242	Forbidden	30 L	D	40
	Nitrating acid mixtures, spent <i>with more than 50% nitric acid</i>	8	UN1826	I	8, 5.1	T12, T27	None	158	243	Forbidden	2.5 L	D	40, 66
	Nitrating acid mixtures <i>with not more than 50% nitric acid</i>	8	UN1796	II	8	B2, T12, T27	None	158	242	Forbidden	30 L	D	40
	Nitrating acid mixtures <i>with more than 50% nitric acid</i>	8	UN1796	I	8, 5.1	T12, T27	None	158	243	Forbidden	2.5 L	D	40, 66
	Nitric acid <i>other than red fuming with more than 70% nitric acid</i>	8	UN2031	I	8	B47, B53, T9, T27	None	158	243	Forbidden	2.5 L	D	44, 66, 89, 90, 110, 111
	Nitric acid <i>other than red fuming, with not more than 70% nitric acid</i>	8	UN2031	II	8	B2, B47, B53, T9, T27	None	158	242	Forbidden	30 L	D	44, 66, 89, 90, 110, 111
	Nitric acid, red fuming	8	UN2032	I	8, 5.1, 6.1	2, B9, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40, 66, 74, 89, 90
	Nitric oxide, compressed	2.3	UN1660		2.3	1, B37, B46, B50, B60, B77	None	337	None	Forbidden	Forbidden	D	40, 89, 90
	Nitric oxide and dinitrogen tetroxide mixtures <i>or</i> Nitric oxide and nitrogen dioxide mixtures	2.3	UN1975		2.3, 5.1, 8	1, B7, B9, B14, B45, B46, B61, B66, B67, B77	None	337	None	Forbidden	Forbidden	D	40, 89, 90
	Nitriles, flammable, toxic, n.o.s.	3	UN3273	I	3, 6.1	.....	None	201	243	Forbidden	30 L	E	40, 52
	.....	.....	.....	II	3, 6.1	T14	None	202	243	1 L	60 L	B	40,52
	Nitriles, toxic, flammable, n.o.s.	6.1	UN3275	I	6.1, 3	5	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	Nitriles, toxic, n.o.s.	6.1	UN3276	I	6.1	5	None	201	243	1 L	30 L	B	
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	
	.....	.....	.....	III	6.1	T7	153	203	241	60 L	220 L	A	
	Nitrites, inorganic, aqueous solution, n.o.s.	5.1	UN3219	II	5.1	T8	152	202	242	1 L	5 L	B	46, 56, 58
	.....	.....	.....	III	5.1	T8	152	203	241	2.5 L	30 L	B	46, 56, 58
	Nitrites, inorganic, n.o.s.	5.1	UN2627	II	5.1	33	152	212	None	5 kg	25 kg	A	46, 56, 58
	3-Nitro-4- chlorobenzotrifluoride	6.1	UN2307	II	6.1	T8	None	202	243	5 L	60 L	A	40
	6-Nitro-4-diazotoluene-3- sulfonic acid (<i>dry</i>)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitro isobutane triol trinitrate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	N-Nitro-N-methylglycolamide nitrate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2-Nitro-2-methylpropanol nitrate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitro urea	1.1D	UN0147	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	N-Nitroaniline	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitroanilines (<i>o</i> -; <i>m</i> -; <i>p</i> -)	6.1	UN1661	II	6.1	T14	None	212	242	25 kg	100 kg	A	
	Nitroanisole	6.1	UN2730	III	6.1	T8	153	213	240	100 kg	200 kg	A	
	Nitrobenzene	6.1	UN1662	II	6.1	T14	None	202	243	5 L	60 L	A	40
	<i>m</i> -Nitrobenzene diazonium perchlorate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrobenzenesulfonic acid	8	UN2305	II	8	.....	154	212	240	1 L	30 L	A	
	Nitrobenzol, <i>see</i> Nitrobenzene	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	5-Nitrobenzotriazol	1.1D	UN0385	II	1.1D	None	62	None	Forbidden	Forbidden	B	1E, 5E, 19E

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D	Nitrobenzotrifluorides	6.1	UN2306	II	6.1	T8	None	202	243	5 L	60 L	A	40
	Nitrobromobenzenes <i>liquid</i>	6.1	UN2732	III	6.1	T8, T38	153	203	241	60 L	220 L	A	48
	Nitrobromobenzenes <i>solid</i>	6.1	UN2732	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Nitrocellulose, <i>dry or wetted with less than 25% water (or alcohol), by mass</i>	1.1D	UN0340	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	4E, 27E
	Nitrocellulose membrane filters	4.1	UN3270	II	4.1	43, A1	151	212	240	1 kg	15 kg	D	
	Nitrocellulose, plasticized <i>with not less than 18% plasticiz- ing substance, by mass</i>	1.3C	UN0343	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Nitrocellulose, solution, flamma- ble <i>with not more than 12.6% nitrogen, by mass, and not more than 55% nitrocellulose</i>	3	UN2059	II	3	T8, T31	150	202	242	5 L	60 L	B	
	Nitrocellulose, <i>unmodified or plasticized with less than 18% plasticizing substance, by mass</i>	1.1D	UN0341	III II	3 1.1D	B1, T7, T30	150 None	203 62	242 None	60 L Forbidden	220 L Forbidden	A B	4E, 27E
	Nitrocellulose, wetted <i>with not less than 25% alcohol, by mass</i>	1.3C	UN0342	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Nitrocellulose with alcohol <i>not less than 25% alcohol by mass, and not more than 12.6% nitrogen, by dry mass</i>	4.1	UN2556	II	4.1	.....	151	212	None	1 kg	15 kg	D	28
	Nitrocellulose, <i>with not more than 12.6% nitrogen, by dry mass, or Nitrocellulose mixture with pigment or Nitro- cellulose mixture with plasti- cizer or Nitrocellulose mixture with pigment and plas- ticizer</i>	4.1	UN2557	II	4.1	44	151	212	None	1 kg	15 kg	D	28
	Nitrocellulose with water <i>not less than 25% water, by mass</i>	4.1	UN2555	II	4.1	.....	151	212	None	15 kg	50 kg	E	28
	Nitrochlorobenzene, <i>see</i> Chloro- nitrobenzenes <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrocresols	6.1	UN2446	III	6.1S	.....	153	213	240	100 kg	200 kg	A	
	Nitroethane	3	UN2842	III	3	B1, T8	150	203	242	60 L	220 L	A	
	Nitroethyl nitrate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitroethylene polymer	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrogen, compressed	2.2	UN1066	.....	2.2	.....	306	302	314, 315	75 kg	150 kg	A	
	Nitrogen dioxide <i>see</i> Dinitrogen tetroxide	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrogen fertilizer solution, <i>see</i> Fertilizer ammoniating solu- tion <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrogen, mixtures with rare gases, <i>see</i> Rare gases and nitrogen mixtures	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrogen peroxide, <i>see</i> Dinitro- gen tetroxide, liquefied	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrogen, refrigerated liquid cryogenic liquid	2.2	UN1977	.....	2.2	.....	320	316	318	50 kg	500 kg	D	
	Nitrogen tetroxide and nitric oxide mixtures, <i>see</i> Nitric oxide and nitrogen tetroxide mixtures	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrogen tetroxide, <i>see</i> Dinitro- gen tetroxide, liquefied	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrogen trichloride	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrogen trifluoride, compressed	2.2	UN2451	.....	2.2, 5.1	.....	None	302	None	Forbidden	25 kg	D	40
	Nitrogen trifluoride, compressed	2.3	UN2451	.....	2.3, 5.1	.....	None	302	None	Forbidden	25 kg	D	40
	Nitrogen triiodide	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrogen triiodidemonoamine	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nitrogen trioxide	2.3	UN2421	.....	2.3, 5.1, 8	1	None	336	245	Forbidden	Forbidden	D	40, 89, 90 1E, 4E, 21E
	Nitroglycerin, desensitized <i>with not less than 40% non- volatile water insoluble phlegmatizer, by mass</i>	1.1D	UN0143	II	1.1D, 6.1	125	None	62	None	Forbidden	Forbidden	B	
	Nitroglycerin, liquid, <i>not desensitized</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Sym- bols (1)	Hazardous Materials Descriptions and Proper Shipping Names (2)	Hazard Class Or Division (3)	Identifica- tion Numbers (4)	PG (5)	Label Codes (6)	Special Provisions (7)	(8) Packaging (\$173.***)			(9) Quantity Limitations		(10) Vessel Stowage	
							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Nitroglycerin mixture <i>with more than 2% but not more than 10% nitroglycerin, by mass, desensitized</i>	4.1	UN3319		4.1	118	None	None	None	Forbidden	0.5 kg	E	
	Nitroglycerin, solution in alcohol, <i>with more than 1% but not more than 5% nitroglycerin</i>	3	UN3064	II	3	N8	None	202	None	Forbidden	5 L	E	
	Nitroglycerin, solution in alcohol, <i>with more than 1% but not more than 10% nitroglycerin</i>	1.1D	UN0144	II	1.1D	20	None	62	None	Forbidden	Forbidden	B	1E, 4E, 21E
	Nitroglycerin solution in alcohol <i>with not more than 1% nitroglycerin</i>	3	UN1204	II	3	N34, T25	None	202	None	5 L	60 L	B	
	Nitroguanidine nitrate	Forbidden	.....		.....	.....				.....	.....	.....
	Nitroguanidine or Picrite, <i>dry or wetted with less than 20% water, by mass</i>	1.1D	UN0282	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Nitroguanidine, wetted or Picrite, wetted <i>with not less than 20% water, by mass</i>	4.1	UN1336	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28
	1-Nitrohydantoin	Forbidden	.....		.....	.....				.....	.....	.....
	Nitrohydrochloric acid	8	UN1798	I	8	A3, B10, N41, T18, T27	None	201	242	Forbidden	2.5 L	D	40, 66, 74, 89, 90
	Nitromannite (dry)	Forbidden	.....		.....	.....				.....	.....	.....
	Nitromannite, wetted, <i>see Mannitol hexanitrate, etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Nitromethane	3	UN1261	II	3	T25	150	202	None	Forbidden	60 L	A	
	Nitromuriatic acid, <i>see Nitrohydrochloric acid</i>	.....	.....		.....	.....				.....	.....	.....
	Nitronaphthalene	4.1	UN2538	III	4.1	A1	151	213	240	25 kg	100 kg	A	
	Nitrophenols (<i>o</i> -; <i>m</i> -; <i>p</i> -)	6.1	UN1663	III	6.1	T8, T38	153	213	240	100 kg	200 kg	A	
	<i>m</i> -Nitrophenyldinitro methane	Forbidden	.....		.....	.....				.....	.....	.....
	Nitropropanes	3	UN2608	III	3	B1, T1	150	203	242	60 L	220 L	A	
	<i>p</i> -Nitroso-dimethylaniline	4.2	UN1369	II	4.2	A19, A20, B101, N34	None	212	241	15 kg	50 kg	D	34
	Nitrostarch, <i>dry or wetted with less than 20% water, by mass</i>	1.1D	UN0146	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Nitrostarch, wetted <i>with not less than 20% water, by mass</i>	4.1	UN1337	I	4.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	D	28
	Nitrosugars (dry)	Forbidden	.....		.....	.....				.....	.....	.....
	Nitrosyl chloride	2.3	UN1069		2.3, 8	3, B14	None	304	314, 315	Forbidden	Forbidden	D	40
	Nitrosylsulfuric acid	8	UN2308	II	8	A3, A6, A7, B2, N34, T9, T27	154	202	242	1 L	30 L	D	40, 66, 74, 89, 90
	Nitrotoluenes, <i>liquid o</i> -; <i>m</i> -; <i>p</i> -;	6.1	UN1664	II	6.1	T14	None	202	243	5 L	60 L	A	
	Nitrotoluenes, <i>solid m</i> -, or <i>p</i> -	6.1	UN1664	II	6.1	T14	None	212	242	25 kg	100 kg	A	
	Nitrotoluidines (mono)	6.1	UN2660	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Nitrotriazolone or NTO	1.1D	UN0490	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Nitrous oxide and carbon dioxide mixtures, <i>see Carbon dioxide and nitrous oxide mixtures</i>	.....	.....		.....	.....				.....	.....	.....
	Nitrous oxide	2.2	UN1070		2.2	.....	306	304	314, 315	75 kg	150 kg	A	40
	Nitrous oxide, refrigerated liquid	2.2	UN2201		2.2	B6	None	304	314, 315	75 kg	150 kg	B	40
	Nitroxylenes, (<i>o</i> -; <i>m</i> -; <i>p</i> -)	6.1	UN1665	II	6.1	T14	None	202	243	5 L	60 L	A	
	Nitroxylol, <i>see Nitroxylenes</i>	.....	.....		.....	.....				.....	.....	.....
	Nonanes	3	UN1920	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Nonflammable gas, <i>n.o.s.</i> , <i>see Compressed or Liquefied gases, etc. (UN 1955, UN 1956)</i>	.....	.....		.....	.....				.....	.....	.....
	Nonliquefied gases, <i>see Compressed gases, etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Nonliquefied hydrocarbon gas, <i>see Hydrocarbon gases, compressed, n.o.s.</i>	.....	.....		.....	.....				.....	.....	.....
	Nonyltrichlorosilane	8	UN1799	II	8	A7, B2, B6, N34, T8, T26	None	202	242	Forbidden	30 L	C	40
	2,5-Norbornadiene or Bicyclo[2.2.1]hepta-2,5-diene, inhibited	3	UN2251	II	3	150	202	241	5 L	60 L	D	
	Nordhausen acid, <i>see Sulfuric acid, fuming etc.</i>	

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D	acid, fuming <i>etc.</i> Octadecyltrichlorosilane	8	UN1800	II	8	A7, B2, B6 N34, T8	None	202	242	Forbidden	30 L	C	40
	Octadiene <i>1,7-Octadine-3,5-diyne-1,8-</i> <i>dithioxy-9-octadecynoic</i>	3 Forbidden	UN2309	II	3	B1, T1	150	202	242	5 L	60 L	B	
	Octafluorobut-2-ene <i>or</i> Refrig- erant gas R 1318	2.2	UN2422		2.2		None	304	314, 315	75 kg	150 kg	A	
	Octafluorocyclobutane <i>or</i> Refrig- erant gas R C318	2.2	UN1976		2.2		None	304	314, 315	75 kg	150 kg	A	
	Octafluoropropane <i>or</i> Refrig- erant gas R 218	2.2	UN2424		2.2		None	304	314, 315	75 kg	150 kg	A	
	Octanes	3	UN1262	II	3	T1	150	202	242	5 L	60 L	A B	
	Octogen, <i>see</i> Cyclotetramethy- lene tetranitramine, <i>etc.</i>												
	Octolite <i>or</i> Octol, <i>dry or</i> <i>watted byindness than 15%</i>	1.1D	UN0266	II	1.1D		None	62		Forbidden	Forbidden	B	1E, 5E
	Octonal	1.1D	UN0496		1.1D		None	62	None	Forbidden	Forbidden	B	1E, 5E
	Octyl aldehydes, <i>flammable</i>	3	UN1191	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Octyltrichlorosilane	8	UN1801	II	8	A7, B2, B6, N34, T8, T26	None	202	242	Forbidden	30 L	C	40
	Oil gas, compressed <i>Oleum, see</i> Sulfuric acid, fuming	2.3	UN1071		2.3, 2.1	6	None	304	314, 315	Forbidden	25 kg	D	40
	Organic peroxide type A, liquid <i>or</i> solid	Forbidden											
	Organic peroxide type B, liquid	5.2	UN3101	II	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 40
	Organic peroxide type B, liquid, temperature controlled	5.2	UN3111	II	5.2, 1	53	None	225	None	Forbidden	Forbidden	D	2, 40
	Organic peroxide type B, solid	5.2	UN3102	II	5.2, 1	53	152	225	None	Forbidden	Forbidden	D	12, 40
	Organic peroxide type B, solid, temperature controlled	5.2	UN3112	II	5.2, 1	53	None	225	None	Forbidden	Forbidden	D	2, 40
	Organic peroxide type C, liquid	5.2	UN3103	II	5.2		152	225	None	5 L	10 L	D	12, 40
	Organic peroxide type C, liquid, temperature controlled	5.2	UN3113	II	5.2		None	225	None	Forbidden	Forbidden	D	2, 40
	Organic peroxide type C, solid	5.2	UN3104	II	5.2		152	225	None	5 kg	10 kg	D	12, 40
	Organic peroxide type C, solid, temperature controlled	5.2	UN3114	II	5.2		None	225	None	Forbidden	Forbidden	D	2, 40
	Organic peroxide type D, liquid	5.2	UN3105	II	5.2		152	225	None	5 L	10 L	D	12, 40
	Organic peroxide type D, liquid, temperature controlled	5.2	UN3115	II	5.2		None	225	None	Forbidden	Forbidden	D	2, 40
	Organic peroxide type D, solid	5.2	UN3106	II	5.2		152	225	None	5 kg	10 kg	D	12, 40
	Organic peroxide type D, solid, temperature controlled	5.2	UN3116	II	5.2		None	225	None	Forbidden	Forbidden	D	2, 40
	Organic peroxide type E, liquid	5.2	UN3107	II	5.2		152	225	None	10 L	25 L	D	12, 40
	Organic peroxide type E, liquid, temperature controlled	5.2	UN3117	II	5.2		None	225	None	Forbidden	Forbidden	D	2, 40
	Organic peroxide type E, solid	5.2	UN3108	II	5.2		152	225	None	10 kg	25 kg	D	12, 40
	Organic peroxide type E, solid, temperature controlled	5.2	UN3118	II	5.2		None	225	None	Forbidden	Forbidden	D	2, 40
	Organic peroxide type F, liquid	5.2	UN3109	II	5.2		152	225	225	10 L	25 L	D	12, 40
	Organic peroxide type F, liquid, temperature controlled	5.2	UN3119	II	5.2		None	225	225	Forbidden	Forbidden	D	2, 40
	Organic peroxide type F, solid	5.2	UN3110	II	5.2	T42	152	225	225	10 kg	25 kg	D	12, 40
	Organic peroxide type F, solid, temperature controlled	5.2	UN3120	II	5.2		None	225	225	Forbidden	Forbidden	D	2, 40
	Organic phosphate, Organic phosphate compound, <i>or</i> Organic phosphorus compound; mixed with compressed gas	2.3	NA1955		2.3	3	None	334	None	Forbidden	Forbidden	D	40
	Organic pigments, self-heating	4.2	UN3313	II	4.2	None	None	212	241	15 kg	50 kg	C	
				III	4.2	B101	None	213	241	25 kg	100 kg	C	
	Organoarsenic compound, n.o.s.	6.1	UN3280	I	6.1	5	None	211	242	5 kg	50 kg	B	
				II	6.1	T14	None	212	242	25 kg	100 kg	B	
				III	6.1	T7	153	213	240	100 kg	200 kg	A	
	Organochlorine pesticides liquid, flammable, toxic, n.o.s. <i>flash point less than</i> <i>23°C</i>	3	UN2762	I	3, 6.1		None	201	243	Forbidden	30 L	B	40
				II	3, 6.1		None	202	243	1 L	60 L	B	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Organochlorine pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less than 23°C</i>	6.1	UN2995	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	B1, T14	153	203	242	60 L	220 L	A	40
	.....	.....	.....	III	6.1, 3	B1, T14	153	203	242	60 L	220 L	A	40
	Organochlorine pesticides, liquid, toxic, n.o.s.	6.1	UN2996	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Organochlorine pesticides, solid toxic n.o.s.	6.1	UN2761	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	Organometallic compound <i>or</i> Compound solution <i>or</i> Compound dispersion, water- reactive, flammable, n.o.s.	4.3	UN3207	I	4.3, 3	.....	None	201	244	Forbidden	1 L	E	40
	.....	.....	.....	II	4.3, 3	B101, B106	None	202	243	1 L	5 L	E	40
	.....	.....	.....	III	4.3, 3	B106	None	203	242	5 L	60 L	E	40
	Organometallic compound, toxic n.o.s.	6.1	UN3282	I	6.1	.....	None	211	242	5 kg	50 kg	B	
	.....	.....	.....	II	6.1	T14	None	212	242	25 kg	100 kg	B	
	.....	.....	.....	III	6.1	T7	153	213	240	100 kg	200 kg	A	
	Organophosphorus compound, toxic, flammable, n.o.s.	6.1	UN3279	I	6.1, 3	5	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	Organophosphorus compound, toxic n.o.s.	6.1	UN3278	I	6.1	5	None	201	243	1 L	30 L	B	
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	
	.....	.....	.....	III	6.1	T7	153	203	241	60 L	220 L	A	
	Organophosphorus pesticides, liquid, flammable, toxic, <i>flash point less than 23°C</i>	3	UN2784	I	3, 6.1	T42	None	201	243	Forbidden	30 L	B	
	.....	.....	.....	II	3, 6.1	T18	None	202	243	1 L	60 L	B	
	Organophosphorus pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less than 23°C</i>	6.1	UN3017	I	6.1, 3	N76, T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	N76, T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	B1, N76, T14	153	203	242	60 L	220 L	A	40
	Organophosphorus pesticides, liquid, toxic, n.o.s.	6.1	UN3018	I	6.1	N76, T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	N76, T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	N76, T14	153	203	241	60 L	220 L	A	40
	Organophosphorus pesticides, solid, toxic, n.o.s.	6.1	UN2783	I	6.1	N77	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	N77	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	N77	153	213	240	100 kg	200 kg	A	40
	Organotin compounds, liquid, n.o.s.	6.1	UN2788	I	6.1	A3, N33, N34, T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	A3, N33, N34, T14	None	202	243	5 L	60 L	A	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Organotin compounds, solid, n.o.s.	6.1	UN3146	I	6.1	A5	None	211	242	5 kg	50 kg	B	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	Organotin pesticides, liquid, flammable, toxic, n.o.s., <i>flash point less than 23°C</i>	3	UN2787	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	.....	.....	.....	II	3, 6.1	.....	None	202	243	1 L	60 L	B	40
	Organotin pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less than 23°C</i>	6.1	UN3019	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	B1, T14	153	203	242	60 L	220 L	A	40
	Organotin pesticides, liquid, toxic, n.o.s.	6.1	UN3020	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Organotin pesticides, solid, toxic, n.o.s.	6.1	UN2786	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	III	6.1	153	213	240	100 kg	200 kg	A	40
	<i>Orthonitroaniline, see Nitroani- lines etc.</i>				

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Osmium tetroxide	6.1	UN2471	I	6.1	A8, B100, N33, N34	None	211	242	5 kg	50 kg	B	40
AD	Other regulated substances, liquid, n.o.s.	9	NA3082	III	9	.....	155	203	241	No limit	No limit	A	
AD	Other regulated substances, solid, n.o.s.	9	NA3077	III	9	B54	155	213	240	No limit	No limit	A	
	Oxidizing liquid, corrosive, n.o.s.	5.1	UN3098	I	5.1, 8	.....	None	201	244	Forbidden	2.5 L	D	34, 56, 58, 69, 106
	.....	.....	.....	II	5.1, 8	.....	None	202	243	1 L	5 L	B	34, 56, 58, 69, 106
	.....	.....	.....	III	5.1, 8	.....	152	203	242	2.5 L	30 L	B	34, 56, 58, 69, 106
	Oxidizing liquid, n.o.s.	5.1	UN3139	I	5.1	127, A2	None	201	243	Forbidden	2.5 L	D	56, 58, 69, 106
	.....	.....	.....	II	5.1	127, A2	152	202	242	1 L	5 L	B	56, 58, 69, 106
	.....	.....	.....	III	5.1	127, A2	152	203	241	2.5 L	30 L	B	56, 58, 69, 106
	Oxidizing liquid, toxic, n.o.s.	5.1	UN3099	I	5.1, 6.1	.....	None	201	244	Forbidden	2.5 L	D	56, 58, 95, 106
	.....	.....	.....	II	5.1, 6.1	.....	None	202	243	1 L	5 L	B	56, 58, 95, 106
	.....	.....	.....	III	5.1, 6.1	.....	152	203	242	2.5 L	30 L	B	56, 58, 95, 106
	Oxidizing solid, corrosive, n.o.s.	5.1	UN3085	I	5.1, 8	.....	None	211	242	1 kg	15 kg	D	13, 34, 56, 58, 69, 106
	.....	.....	.....	II	5.1, 8	.....	None	212	242	5 kg	25 kg	B	13, 34, 56, 58, 69, 106
	.....	.....	.....	III	5.1, 8	.....	152	213	240	25 kg	100 kg	B	13, 34, 56, 58, 69, 106
	Oxidizing solid, flammable, n.o.s.	5.1	UN3137	I	5.1, 4.1	.....	None	214	214	Forbidden	Forbidden	.....
	Oxidizing solid, n.o.s.	5.1	UN1479	I	5.1	.....	None	211	242	1 kg	15 kg	D	56, 58, 69, 106
	.....	.....	.....	II	5.1	.....	152	212	240	5 kg	25 kg	B	56, 58, 69, 106
	.....	.....	.....	III	5.1	.....	152	213	240	25 kg	100 kg	B	56, 58, 69, 106
	Oxidizing solid, toxic, n.o.s.	5.1	UN3087	I	5.1, 6.1	.....	None	211	242	1 kg	15 kg	D	56, 58, 69, 95, 106
	.....	.....	.....	II	5.1, 6.1	.....	None	212	242	5 kg	25 kg	B	56, 58, 69, 95, 106
	.....	.....	.....	III	5.1, 6.1	.....	152	213	240	25 kg	100 kg	B	56, 58, 69, 95, 106
	Oxidizing solid, self-heating, n.o.s.	5.1	UN3100		5.1, 4.2	.....	None	214	214	Forbidden	Forbidden	.....
	Oxidizing solid, water-reactive <i>Oxygen and carbon dioxide mixtures, see Carbon dioxide and oxygen mixtures</i>	5.1	UN3121		5.1, 4.3	.....	None	214	214	Forbidden	Forbidden	.....
	Oxygen, compressed	2.2	UN1072		2.2, 5.1	.....	306	302	314, 315	75 kg	150 kg	A	
	Oxygen difluoride, compressed	2.3	UN2190		2.3, 5.1, 8	1	None	304	None	Forbidden	Forbidden	D	13, 40, 89, 90
	Oxygen generator, chemical	5.1	UN3356	II	5.1	60, A51	None	212	None	Forbidden	25 kg	D	56, 58, 69, 106

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	<i>Oxygen, mixtures with rare gases, see Rare gases and oxygen mixtures</i>	
	Oxygen, refrigerated liquid (cryogenic liquid)	2.2	UN1073		2.2, 5.1	320	316	318	Forbidden	Forbidden	D	
	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base	3	UN1263	I	3	T8, T31	150	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	B52, T7, T30	150	173	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, B52, T7, T30	150	173	242	60 L	220 L	A	
	Paint or Paint related material	8	UN3066	II	8	B2, N71, T7	154	202	242	1 L	30 L	A	
	.....	.....	.....	III	8	B52, N71, T7	154	203	241	5 L	60 L	A	
	Paint related material including paint thinning, drying, removing, or reducing compound	3	UN1263	I	3	T8, T31	150	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	B52, T7, T30	150	173	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, B52, T7, T30	150	173	242	60 L	220 L	A	
	Paper, unsaturated oil treated incompletely dried (including carbon paper)	4.2	UN1379	III	4.2	B101, B106	None	213	241	Forbidden	Forbidden	A	
	Paraformaldehyde	4.1	UN2213	III	4.1	A1	151	213	240	25 kg	100 kg	A	
	Paraldehyde	3	UN1264	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Paranitroaniline, solid, see Nitroanilines etc.	.....	.....		.....	.....				.....	.....
D	Parathion	6.1	NA2783	I	6.1	T42	None	201	243	Forbidden	1 L	A	40
	.....	.....	.....	II	6.1	T14	None	202	243	Forbidden	5 L	A	40
D	Parathion and compressed gas mixture	2.3	NA1967		2.3	3	None	334	245	Forbidden	Forbidden	E	40
	Paris green, solid, see Copper acetoarsenite	.....	.....		.....	.....				.....	.....
AW	PCB, see Polychlorinated biphenyls	.....	.....		.....	.....				.....	.....
+	Pentaborane	4.2	UN1380	I	4.2, 6.1	1	None	205	245	Forbidden	Forbidden	D	
	Pentachloroethane	6.1	UN1669	II	6.1	T14	None	202	243	5 L	60 L	A	40
	Pentachlorophenol	6.1	UN3155	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Pentaerythrite tetranitrate (dry)	Forbidden	.....		.....	.....				.....	.....
	Pentaerythrite tetranitrate, wetted or Pentaerythritol tetranitrate, wetted or PETN, wetted with not less than 25% water, by mass, or Pentaerythrite tetranitrate, or Pentaerythritol tetranitrate or PETN, desensitized with not less than 15% phlegmatizer by mass	1.1D	UN0150	II	1.1D	121	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Pentaerythrite tetranitrate or Pentaerythritol tetranitrate, or PETN, with not less than 7% wax by mass	1.1D	UN0411	II	1.1D	120	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Pentaerythritol tetranitrate, see Pentaerythrite tetranitrate, etc.	.....	.....		.....	.....				.....	.....
	Pentafluoroethane or Refrigerant gas R 125	2.2	UN3220		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Pentamethylheptane	3	UN2286	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Pentane-2,4-dione	3	UN2310	III	3, 6.1	B1, T1	150	203	242	60 L	220 L	A	
	Pentanes	3	UN1265	I	3	T20	150	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	T20	150	202	242	5 L	60 L	E	
	Pentanitroaniline (dry)	Forbidden	.....		.....	.....				.....	.....
	1-Pentene (n-amylene)	3	UN1108	I	3	T14	150	201	243	1 L	30 L	E	
	1-Pentol	8	UN2705	II	8	B2, T8	154	202	242	1 L	30 L	B	38
	Pentolite, dry or wetted with less than 15% water, by mass	1.1D	UN0151	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Pepper spray, see Aerosols, etc. or Self-defense spray, non-pressurized	.....	.....		.....	.....				.....	.....
	Perchlorates, inorganic, aqueous solution, n.o.s.	5.1	UN3211	II	5.1	T8	152	202	242	1 L	5 L	B	46, 56,
	III	5.1	T8	152	203	241	2.5 L	30 L	B	58, 56, 58, 69, 106

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Perchlorates, inorganic, n.o.s.	5.1	UN1481	II	5.1	.....	152	212	242	5 kg	25 kg	A	46, 56
	.....	.....	.....	III	5.1	.....	152	213	240	25 kg	100 kg	A	46, 56
	<i>Perchloric acid, more than 72% acid by mass</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Perchloric acid more than 50% but not more than 72% acid, by mass</i>	5.1	UN1873	I	5.1, 8	A2, A3, N41, T9, T27	None	201	243	Forbidden	2.5 L	D	66
	<i>Perchloric acid not more than 50% acid by mass</i>	8	UN1802	II	8, 5.1	N41, T9	None	202	243	Forbidden	30 L	C	66
	<i>Perchloroethylene, see Tetra- chloroethylene</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Perchloromethylmercaptan	6.1	UN1670	I	6.1	2, A3, A7, B9, B14, B32, B74, N34, T38, T43, T45	None	227	244	Forbidden	30 L	D	40
	Perchloryl fluoride	2.3	UN3083	.....	2.3, 5.1	2, B9, B14	None	302	314, 315	Forbidden	Forbidden	D	40
	<i>Percussion caps, see Primers, cap type</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Perfluoro-2-butene, see Octafluorobut-2-ene</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Perfluoro(ethyl vinyl ether)	2.1	UN3154	.....	2.1	.....	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
	Perfluoro(methyl vinyl ether)	2.1	UN3153	.....	2.1	.....	306	302, 304, 305	314, 315	Forbidden	150 kg	E	40
	Perfumery products with flamma- ble solvents	3	UN1266	II	3	T7, T30	150	202	242	15 L	60 L	B	.....
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	.....
	Permanganates, inorganic, aqueous solution, n.o.s.	5.1	UN3214	II	5.1	26, T8	152	202	242	1 L	5 L	D	56, 58, 69, 106, 107

	Permanganates, inorganic, n.o.s.	5.1	UN1482	II	5.1	26, A30	152	212	242	5 kg	25 kg	D	56, 58, 69, 106, 107
	.....	.....	.....	III	5.1	26, A30	152	213	240	25 kg	100 kg	D	56, 58, 69, 106, 107
	Peroxides, inorganic, n.o.s.	5.1	UN1483	II	5.1	A7, A20, N34	None	212	242	5 kg	25 kg	A	13, 75, 106
	.....	.....	.....	III	5.1	A7, A20, N34	152	213	240	25 kg	100 kg	A	13, 75, 106
	<i>Peroxyacetic acid, more than 43% and with more than 6% hydrogen peroxide</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Persulfates, inorganic, aqueous solution, n.o.s.	5.1	UN3216	III	5.1	T2	152	203	241	2.5 L	30 L	A	.....
	Persulfates, inorganic, n.o.s.	5.1	UN3215	III	5.1	.....	152	213	240	25 kg	100 kg	A	.....
	Pesticides, liquid, flammable, toxic, n.o.s. flashpoint less than 23°C	3	UN3021	I	3, 6.1	B5	None	201	243	Forbidden	30 L	B	.....
	.....	.....	.....	II	3, 6.1	.....	None	202	243	1 L	60 L	B	.....
	Pesticides, liquid, toxic, flamma- ble, n.o.s. flash point not less than 23°C	6.1	UN2903	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	B1, T14	153	203	242	60 L	220 L	A	40
	Pesticides, liquid, toxic, n.o.s.	6.1	UN2902	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Pesticides, solid, toxic, n.o.s.	6.1	UN2588	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	PETN, <i>see</i> Pentaerythrite tetra- nitrate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	PETN/TNT, <i>see</i> Pentolite, <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Petrol, <i>see</i> Gasoline	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Petroleum crude oil	3	UN1267	I	3	T8, T31	None	201	243	1 L	30 L	E
	II	3	T8, T31	150	202	242	5 L	60 L	B
	III	3	B1, T7, T30	150	203	242	60 L	220 L	A

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D	Petroleum distillates, n.o.s. <i>or</i> Petroleum products, n.o.s.	3	UN1268	I	3	T8, T31	150	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	T8, T31	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	Petroleum gases, liquefied <i>or</i> Liquefied petroleum gas	2.1	UN1075		2.1	.....	306	304	314, 315	Forbidden	150 kg	E	40
	Petroleum oil	3	UN1270	I	3	T8, T31	None	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	T8, T31	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	Phenacyl bromide	6.1	UN2645	II	6.1	B106	None	212	242	25 kg	100 kg	B	40
	Phenetidines	6.1	UN2311	III	6.1	T7	153	203	241	60 L	220 L	A	
	Phenol, molten	6.1	UN2312	II	6.1	B14, B100, T8	None	202	243	Forbidden	Forbidden	B	40
+	Phenol, solid	6.1	UN1671	II	6.1	N78, T14	None	212	242	25 kg	100 kg	A	
	Phenol solutions	6.1	UN2821	II	6.1	T14	None	202	243	5 L	60 L	A	
	.....	.....	.....	III	6.1	T7	153	203	241	60 L	220 L	A	
	Phenolsulfonic acid, liquid	8	UN1803	II	8	B2, N41, T8	154	202	242	1 L	30 L	C	14
	Phenoxy pesticides, liquid, flammable, toxic n.o.s., <i>flash</i> <i>point less than 23°C</i>	3	UN2766	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	.....	.....	.....	II	3, 6.1	.....	None	202	243	1L	60 L	B	40
	Phenoxy pesticides, liquid, toxic, flammable, n.o.s. <i>flash</i> <i>point not less than 23°C</i>	6.1	UN2999	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	B1, T14	153	203	242	60 L	220 L	A	40
	Phenoxy pesticides, liquid, toxic, n.o.s.	6.1	UN3000	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Phenoxy pesticides, solid, toxic, n.o.s.	6.1	UN2765	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	Phenyl isocyanate	6.1	UN2487	I	6.1, 3	2, B9, B14, B32, B74, B77, N33, N34, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	20, 40, 95
	Phenyl mercaptan	6.1	UN2337	I	6.1, 3	2, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	Forbidden	B	26, 40
	Phenyl phosphorus dichloride	8	UN2798	II	8	B2, B15, T8, T26	154	202	242	Forbidden	30 L	B	40
	Phenyl phosphorus thio- dichloride	8	UN2799	II	8	B2, B15, T8, T26	154	202	242	Forbidden	30 L	B	40
	Phenyl urea pesticides, liquid, flammable, toxic, n.o.s., <i>flash point less than 23°C</i>	3	UN2768	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	.....	.....	.....	II	3, 6.1	.....	None	202	243	1 L	60 L	B	40
	Phenyl urea pesticides, liquid, toxic, flammable, n.o.s., <i>flash</i> <i>point not less than 23°C</i>	6.1	UN3001	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	B1, T14	153	203	242	60 L	220 L	A	40
	Phenyl urea pesticides, liquid, toxic, n.o.s.	6.1	UN3002	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Phenyl urea pesticides, solid, toxic, n.o.s.	6.1	UN2767	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	Phenylacetoneitrile, liquid	6.1	UN2470	III	6.1	T8	153	203	241	60 L	220 L	A	26
	Phenylacetyl chloride	8	UN2577	II	8	B2, T8, T26	154	202	242	1 L	30 L	C	40
	Phenylcarbylamine chloride	6.1	UN1672	I	6.1	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40
	Phenylchloroformate	6.1	UN2746	II	6.1, 8	T12	None	202	243	1 L	30 L	A	12, 13, 21, 25, 40, 100
	<i>m</i> -Phenylene diaminediperchl- orate (<i>dry</i>)	Forbidden
	Phenylenediamines (<i>o</i> -; <i>m</i> -; <i>p</i> - ;)	6.1	UN1673	III	6.1	153	213	240	100 kg	200 kg	A	

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+	Phenylhydrazine	6.1	UN2572	II	6.1	T8	None	202	243	5 L	60 L	A	40
	Phenylmercuric acetate	6.1	UN1674	II	6.1	None	212	242	25 kg	100 kg	A	
	Phenylmercuric compounds, n.o.s.	6.1	UN2026	I	6.1	.....	None	211	242	5 kg	50 kg	A	
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Phenylmercuric hydroxide	6.1	UN1894	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Phenylmercuric nitrate	6.1	UN1895	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Phenyltrichlorosilane	8	UN1804	II	8	A7, B6, N34, T8	None	202	242	Forbidden	30 L	C	40
	Phosgene	2.3	UN1076		2.3, 8	1, B7, B46	None	192	314	Forbidden	Forbidden	D	40
	9-Phosphabicyclononanes <i>or</i> Cyclooctadiene phosphines	4.2	UN2940	II	4.2	A19	None	212	241	15 kg	50 kg	A	
	Phosphine	2.3	UN2199		2.3, 2.1	1	None	192	245	Forbidden	Forbidden	D	40
	Phosphoric acid	8	UN1805	III	8	A7, N34, T7	154	203	241	5 L	60 L	A	
	<i>Phosphoric acid triethyleneim- ine, see</i> Tri-(1- aziridyl) phosphine oxide, solution	.....	.....							.....	.....
	<i>Phosphoric anhydride, see</i> Phosphorus pentoxide	.....	.....							.....	.....
	Phosphorous acid	8	UN2834	III	8	T7	154	213	240	25 kg	100 kg	A	48
	Phosphorus, amorphous	4.1	UN1338	III	4.1	A1, A19, B1, B9, B26	None	213	243	25 kg	100 kg	A	74
	<i>Phosphorus bromide, see</i> Phos- phorus tribromide	.....	.....							.....	.....
	<i>Phosphorus chloride, see</i> Phos- phorus trichloride	.....	.....							.....	.....
	Phosphorus heptasulfide, <i>free from yellow or white phos- phorus</i>	4.1	UN1339	II	4.1	A20, N34	None	212	240	15 kg	50 kg	B	74
	Phosphorus oxybromide	8	UN1939	II	8	B8, B106, N41, N43	None	212	240	Forbidden	50 kg	C	12, 40, 48
	Phosphorus oxybromide, molten	8	UN2576	II	8	B2, B8, N41, N43, T8, T27	None	202	242	Forbidden	Forbidden	C	40
	Phosphorus oxychloride	8	UN1810	II	8, 6.1	2, A7, B9, B14, B32, B74, B77, N34, T38, T43, T45	None	227	244	Forbidden	30 L	C	40
	Phosphorus pentabromide	8	UN2691	II	8	A7, B106, N34	154	212	240	Forbidden	50 kg	B	12, 40
	Phosphorus pentachloride	8	UN1806	II	8	A7, B106, N34	None	212	240	Forbidden	50 kg	C	40
	Phosphorus pentafluoride, compressed	2.3	UN2198		2.3, 8	2, B9, B14	None	302, 304	314, 315	Forbidden	Forbidden	D	40
	Phosphorus pentasulfide, <i>free from yellow or white phos- phorus</i>	4.3	UN1340	II	4.3, 4.1	A20, B59, B101, B106	151	212	242	15 kg	50 kg	B	74
	Phosphorus pentoxide	8	UN1807	II	8	A7, N34	154	212	240	15 kg	50 kg	A	
	Phosphorus sesquisulfide, <i>free from yellow or white phos- phorous</i>	4.1	UN1341	II	4.1	A20, N34	None	212	240	15 kg	50 kg	B	74
	Phosphorus tribromide	8	UN1808	II	8	A3, A6, A7, B2, B25, N34, N43, T8	None	202	242	Forbidden	30 L	C	40
	Phosphorus trichloride	6.1	UN1809	I	6.1, 8	2, B9, B14, B15, B32, B74, B77, N34, T38, T43, T45	None	227	244	Forbidden	Forbidden	C	40
	Phosphorus trioxide	8	UN2578	III	8	.....	154	213	240	25 kg	100 kg	A	12
	Phosphorus trisulfide, <i>free from yellow or white phosphorus</i>	4.1	UN1343	II	4.1	A20, N34	None	212	240	15 kg	50 kg	B	74
	Phosphorus white, molten	4.2	UN2447	I	4.2, 6.1	B9, B26, N34, T15, T26, T29	None	188	243	Forbidden	Forbidden	D	
	<i>Phosphorus (white or red) and a chlorate, mixtures of</i>	Forbidden	.....							.....	.....
	Phosphorus, white dry <i>or</i> Phos- phorus, white, under water <i>or</i> Phosphorus white, in solu- tion <i>or</i> Phosphorus, yellow dry <i>or</i> Phosphorus, yellow, under water <i>or</i> Phosphorus yellow, in solution	4.2	UN1381	I	4.2, 6.1	B9, B26, N34, T15, T26, T33	None	188	243	Forbidden	Forbidden	E	

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D	<i>Phosphoryl chloride, see</i> Phos- phorus oxychloride
	Phthalic anhydride with more than .05% maleic anhydride	8	UN2214	III	8	T7	154	213	240	25 kg	100 kg	A
	Phthalimide derivative pesti- cides, liquid, flammable, toxic, n.o.s., flash point less than 23°C	3	UN2774	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	Phthalimide derivative pesti- cides, liquid, toxic, flamma- ble, n.o.s. flash point not less than 23°C	6.1	UN3007	II I	3, 6.1 6.1, 3	..... T42	None None	202 201	243 243	1 L 1 L	60 L 30 L	B B	40 40
	.....	.....	.....	II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1, 3	T14	153	203	242	60 L	220 L	A	40
	Phthalimide derivative pesti- cides, liquid, toxic, n.o.s.	6.1	UN3008	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....	.....	.....	III	6.1	T14	153	203	241	60 L	220 L	A	40
	Phthalimide derivative pesti- cides, solid, toxic, n.o.s.	6.1	UN2773	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	Picolines	3	UN2313	III	3	B1, T8	150	202	242	5 L	60 L	A	40
	Picric acid, <i>see</i> Trinitrophenol, <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Picric acid, wet, with not less than 10% water	4.1	NA1344	I	4.1	A19, A20, N41	None	211	None	Forbidden	Forbidden	D	.....
	Picrite, <i>see</i> Nitroguanidine, <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Picryl chloride, <i>see</i> Trinitrochl- orobenzene	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Pine oil	3	UN1272	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	alpha-Pinene	3	UN2368	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	Piperazine	8	UN2579	III	8	T7	154	213	240	25 kg	100 kg	A	12
	Piperidine	3	UN2401	II	3, 8	T2	None	202	243	1 L	5 L	B	.....
AW	<i>Pivaloyl chloride, see</i> Trimethyl acetyl chloride	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Plastic molding compound in dough, sheet or extruded rope form evolving flamma- ble vapor	9	UN3314	III	9	32	155	213	None	100 kg	200 kg	A	85, 87
	Plastic solvent, n.o.s., <i>see</i> Flammable liquids, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Plastics, nitrocellulose-based, self-heating, n.o.s.	4.2	UN2006	III	4.2	.....	None	213	None	Forbidden	Forbidden	C	.....
	Poisonous gases, n.o.s., <i>see</i> Compressed or liquefied gases, flammable or toxic, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Polyalkylamines, n.o.s., <i>see</i> Amines, <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Polychlorinated biphenyls	9	UN2315	II	9	9, 81	155	202	241	100 L	220 L	A	34
	Polyester resin kit	3	UN3269	.....	3	None	152	225	None	5 kg	5 kg	B	.....
	Polyhalogenated biphenyls, liquid or Polyhalogenated terphenyls liquid	9	UN3151	II	9	.....	155	204	241	100 L	220 L	A	34
	Polyhalogenated biphenyls, solid or Polyhalogenated terphe- nyls, solid	9	UN3152	II	9	.....	155	204	241	100 kg	200 kg	A	34
	Polymeric beads, expandable, <i>evolving flammable vapor</i>	9	UN2211	III	None	32	155	221	240	100 kg	200 kg	A	85, 87
	Potassium	4.3	UN2257	I	4.3	A19, A20, B27, B100, N6, N34, T15, T26	None	211	244	Forbidden	15 kg	D	.....
	Potassium arsenate	6.1	UN1677	II	6.1	.....	None	212	242	25 kg	100 kg	A	.....
	Potassium arsenite	6.1	UN1678	II	6.1	.....	None	212	242	25 kg	100 kg	A	.....
	Potassium bisulfite solution, <i>see</i> Bisulfites, inorganic, aqueous solutions, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Potassium borohydride	4.3	UN1870	I	4.3	A19, B100, N40	None	211	242	Forbidden	15 kg	E	.....
	Potassium bromate	5.1	UN1484	II	5.1	.....	152	212	242	5 kg	25 kg	A	56, 58, 106
	Potassium carbonyl	Forbidden
	Potassium chlorate	5.1	UN1485	II	5.1	A9, N34	152	212	242	5 kg	25 kg	A	56, 58, 106

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Potassium chlorate mixed with mineral oil, see Explosive, blasting, type C												
	Potassium chlorate, aqueous solution	5.1	UN2427	II	5.1	A2, T8	152	202	241	1 L	5 L	B	56, 58, 106
				III	5.1	A2, T8	152	203	241	2.5 L	30 L	B	56, 58, 69, 106
	Potassium cuprocyanide	6.1	UN1679	II	6.1		None	212	242	25 kg	100 kg	A	26
	Potassium cyanide	6.1	UN1680	I	6.1	B69, B77, N74, N75, T18, T26	None	211	242	5 kg	50 kg	B	52
	Potassium dichloro isocyanurate or Potassium dichloro-s-triazinetriene, see Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts etc												
	Potassium dithionite or Potassium hydrosulfite	4.2	UN1929	II	4.2	A8, A19, A20	None	212	241	15 kg	50 kg	E	13
	Potassium fluoride	6.1	UN1812	III	6.1	T8	153	213	240	100 kg	200 kg	A	26
	Potassium fluoroacetate	6.1	UN2628	I	6.1		None	211	242	5 kg	50 kg	E	
	Potassium fluorosilicate	6.1	UN2655	III	6.1		153	213	240	100 kg	200 kg	A	26
	Potassium hydrate, see Potassium hydroxide, solid												
	Potassium hydrogen fluoride, see Potassium hydrogen difluoride												
	Potassium hydrogen fluoride solution, see Corrosive liquid, n.o.s.												
	Potassium hydrogen sulfate	8	UN2509	II	8	A7, N34	154	212	240	15 kg	50 kg	A	
	Potassium hydrogendifluoride, solid	8	UN1811	II	8, 6.1	B106, N3, N34, T8	154	212	240	15 kg	50 kg	A	25, 26, 40
	Potassium hydrogendifluoride, solution	8	UN1811	II	8, 6.1	N3,N34,T8	154	202	243	1 L	30 L	A	26, 40, 95
	Potassium hydrosulfite, see Potassium dithionite												
	Potassium hydroxide, liquid, see Potassium hydroxide solution												
	Potassium hydroxide, solid	8	UN1813	II	8		154	212	240	15 kg	50 kg	A	
	Potassium hydroxide, solution	8	UN1814	II	8	B2, T8	154	202	242	1 L	30 L	A	
				III	8	T7	154	203	241	5 L	60 L	A	
	Potassium hypochlorite, solution, see Hypochlorite solutions, etc.												
	Potassium, metal alloys	4.3	UN1420	I	4.3	A19, A20, B27	None	211	244	Forbidden	15 kg	D	
	Potassium metal, liquid alloy, see Alkali metal alloys, liquid												
	Potassium metavanadate	6.1	UN2864	II	6.1		None	212	242	25 kg	100 kg	A	
	Potassium monoxide	8	UN2033	III	8		154	212	240	15 kg	50 kg	A	
	Potassium nitrate	5.1	UN1486	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Potassium nitrate and sodium nitrite mixtures	5.1	UN1487	II	5.1	B78	152	212	240	5 kg	25 kg	A	56, 58
	Potassium nitrite	5.1	UN1488	II	5.1		152	212	242	5 kg	25 kg	A	56, 58
	Potassium perchlorate, solid	5.1	UN1489	II	5.1	T8	152	212	242	5 kg	25 kg	A	56, 58, 106
	Potassium perchlorate, solution	5.1	UN1489	II	5.1		152	202	242	1 L	5 L	A	56, 58, 106
	Potassium permanganate	5.1	UN1490	II	5.1		152	212	242	5 kg	25 kg	D	56, 58, 69, 106, 107
	Potassium peroxide	5.1	UN1491	I	5.1	A20, N34	None	211	None	Forbidden	15 kg	B	13, 75, 106
	Potassium persulfate	5.1	UN1492	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Potassium phosphide	4.3	UN2012	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	40, 85
	Potassium selenate, see Selenates or Selenites												
	Potassium selenite, see Selenates or Selenites												
	Potassium sodium alloys	4.3	UN1422	I	4.3	A19, B27, N34, N40, T15, T26	None	211	244	Forbidden	15 kg	D	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Potassium sulfide, anhydrous <i>or</i> Potassium sulfide <i>with less than 30% water of crys- tallization</i>	4.2	UN1382	II	4.2	A19, A20, B16, B106, N34	None	212	241	15 kg	50 kg	A	
	Potassium sulfide, hydrated <i>with not less than 30% water of crystallization</i>	8	UN1847	II	8	.....	154	212	240	15 kg	50 kg	A	26
	Potassium superoxide	5.1	UN2466	I	5.1	A20	None	211	None	Forbidden	15 kg	B	13, 75, 106 1E, 5E
	Powder cake, wetted <i>or</i> Powder paste, wetted <i>with not less than 25% water; by mass</i>	1.3C	UN0159	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	
	Powder cake, wetted <i>or</i> Powder paste, wetted <i>with not less than 17% alcohol by mass</i>	1.1C	UN0433	II	1.1C	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Powder paste, <i>see</i> Powder cake, <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Powder, smokeless	1.1C	UN0160	II	1.1C	.....	None	62	None	Forbidden	Forbidden	B	10E, 26E
	Powder, smokeless	1.3C	UN0161	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	10E, 26E
	<i>Power device, explosive, see Cartridges, power device</i>	.....	.....		.....	.....				.....	.....	.....
	Primers, cap type	1.4S	UN0044	II	None	.....	None	62	None	25 kg	100 kg	A	
	Primers, cap type	1.4B	UN0377	II	1.1B	.....	None	62	None	Forbidden	Forbidden	B	2E, 6E
	Primers, cap type	1.4B	UN0378	II	1.4B	.....	None	62	None	Forbidden	75 kg	A	24E
	<i>Primers, small arms, see Prim- ers, cap type</i>	.....	.....		.....	.....				.....	.....	.....
	Primers, tubular	1.3G	UN0319	II	1.3G	.....	None	62	None	Forbidden	Forbidden	B	
	Primers, tubular	1.4G	UN0320	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	Primers, tubular	1.4S	UN0376	II	None	.....	None	62	None	25 kg	100 kg	A	
	Printing ink, <i>flammable</i>	3	UN1210	I	3	T8, T31	150	173	243	1 L	30 L	E	
	.....			II	3	T7,T30	150	173	242	5 L	60 L	B	
	.....			III	3	B1,T7,T30	150	173	242	60 L	220 L	A	
	<i>Projectiles, illuminating, see Ammunition, illuminating, etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Projectiles, <i>inert with tracer</i>	1.4S	UN0345	II	1.4S	.....		62	None	25 kg	100 kg	A	3E, 7E, 9E
	Projectiles, <i>inert, with tracer</i>	1.3G	UN0424	II	1.3G	.....		62	None	Forbidden	Forbidden	B	3E, 7E
	Projectiles, <i>inert, with tracer</i>	1.4G	UN0425	II	1.4G	.....		62	None	Forbidden	75 kg	A	3E, 7E, 24E
	Projectiles, <i>with burster or expel- ling charge</i>	1.2D	UN0346	II	1.2D	.....		62	None	Forbidden	Forbidden	B	3E, 7E
	Projectiles, <i>with burster or expel- ling charge</i>	1.4D	UN0347	II	1.4D	.....		62	None	Forbidden	75 kg	A	3E, 7E, 24E
	Projectiles, <i>with burster or expel- ling charge</i>	1.2F	UN0426	II	1.2F	.....		62	None	Forbidden	Forbidden	E	
	Projectiles, <i>with burster or expel- ling charge</i>	1.4F	UN0427	II	1.4F	.....		62	None	Forbidden	Forbidden	E	
	Projectiles, <i>with burster or expel- ling charge</i>	1.2G	UN0434	II	1.2G	.....		62	None	Forbidden	Forbidden	B	3E, 7E
	Projectiles, <i>with burster or expel- ling charge</i>	1.4G	UN0435	II	1.4G	.....		62	None	Forbidden	75 kg	A	3E, 7E, 24E
	Projectiles, <i>with bursting charge</i>	1.1F	UN0167	II	1.1F	.....		62	None	Forbidden	Forbidden	E	
	Projectiles, <i>with bursting charge</i>	1.1D	UN0168	II	1.1D	.....		62	None	Forbidden	Forbidden	B	3E,7E
	Projectiles, <i>with bursting charge</i>	1.2D	UN0169	II	1.2D	.....		62	None	Forbidden	Forbidden	B	3E, 7E
	Projectiles, <i>with bursting charge</i>	1.2F	UN0324	II	1.2F	.....		62	None	Forbidden	Forbidden	E	
	Projectiles, <i>with bursting charge</i>	1.4D	UN0344	II	1.4D	.....		62	None	Forbidden	75 kg	A	3E, 7E, 24E
	Propadiene, inhibited	2.1	UN2200		2.1	.....	None	304	314, 315	Forbidden	150 kg	B	40
	<i>Propadiene mixed with methyl acetylene, see Methyl acety- lene and propadiene mixtures, stabilized</i>	.....	.....		.....	.....				.....	.....	.....
	Propane <i>see also</i> Petroleum gases, liquefied	2.1	UN1978		2.1	19	306	304	314, 315	Forbidden	150 kg	E	40
	Propanethiols	3	UN2402	II	3	T8	150	202	242	5 L	60 L	E	95, 102
	n-Propanol <i>or</i> Propyl alcohol normal	3	UN1274	II	3	B1, T1	150	202	242	5 L	60 L	B	
	III	3	B1, T1	150	203	242	60 L	220 L	A	

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D	Propargyl alcohol	3	NA1986	II	3, 6.1	None	202	243	Forbidden	1 L	B	40
	Propellant, liquid	1.3C	UN0495	II	1.3C	37	None	62	None	Forbidden	Forbidden	B	
	Propellant, liquid	1.1C	UN0497	II	1.1C	37	None	62	None	Forbidden	Forbidden	B	
	Propellant, solid	1.1C	UN0498	II	1.1C	.....	None	62	None	Forbidden	Forbidden	A	
	Propellant, solid	1.3C	UN0499	II	1.3C	.....	None	62	None	Forbidden	Forbidden	A	
	Propionaldehyde	3	UN1275	II	3	T14	150	202	242	5 L	60 L	E	
	Propionic acid	8	UN1848	III	8	T7	154	203	241	5 L	60 L	A	
	Propionic anhydride	8	UN2496	III	8	T2	154	203	241	5 L	60 L	A	
	Propionitrile	3	UN2404	II	3, 6.1	T14	None	202	243	Forbidden	60 L	E	40
	Propionyl chloride	3	UN1815	II	3, 8	B100, T8, T26	None	202	243	1 L	5 L	B	40
	n-Propyl acetate	3	UN1276	II	3	T1	150	202	242	5 L	60 L	B	
	Propyl alcohol, <i>see</i> Propanol	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	n-Propyl benzene	3	UN2364	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Propyl chloride	3	UN1278	II	3	N34, T14	None	202	242	Forbidden	60 L	E	
	n-Propyl chloroformate	6.1	UN2740	I	6.1, 3, 8	2, A3, A6, A7, B9, B14, B32, B74, B77, N34, T38, T43, T45	None	227	244	Forbidden	2.5 L	B	21, 40, 100
	Propyl formates	3	UN1281	II	3	T8	150	202	242	5 L	60 L	B	
	n-Propyl isocyanate	3	UN2482	I	3, 6.1	1, A7, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	40
	<i>Propyl mercaptan, see</i> Propanethiols	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	n-Propyl nitrate	3	UN1865	II	3	T25	150	202	None	5 L	60 L	D	
	Propylamine	3	UN1277	II	3, 8	N34, T14	None	202	243	1 L	5 L	E	40
	Propylene <i>see also</i> Petroleum gases, liquefied	2.1	UN1077		2.1	19	306	304	314, 315	Forbidden	150 kg	E	40
	Propylene chlorohydrin	6.1	UN2611	II	6.1, 3	T9	None	202	243	5 L	60 L	A	12, 40, 48
	Propylene oxide	3	UN1280	I	3	A3, N34, T20, T29	None	201	243	1 L	30 L	E	40
	Propylene tetramer	3	UN2850	III	3	B1, T1	150	203	242	60 L	220 L	A	
	1,2-Propylenediamine	8	UN2258	II	8, 3	A3, A6, N34, T8	None	202	243	1 L	30 L	A	40
	Propyleneimine, inhibited	3	UN1921	I	3	A3, N34, T25	None	201	243	1 L	30 L	B	40
	Propyltrichlorosilane	8	UN1816	II	8, 3	A7, B2, B6, N34, T8, T26	None	202	243	Forbidden	30 L	C	40
	<i>Prussic acid, see</i> Hydrogen cyanide	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Pyridine	3	UN1282	II	3, 6.1	T8	None	202	242	5 L	60 L	B	21, 100
	<i>Pyridine perchlorate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Pyrophoric liquid, inorganic, n.o.s.	4.2	UN3194	I	4.2	.....	None	181	244	Forbidden	Forbidden	D18	
	Pyrophoric liquids, organic, n.o.s.	4.2	UN2845	I	4.2	B11, T42	None	181	244	Forbidden	Forbidden	D	18
	Pyrophoric metals, n.o.s., <i>or</i> Pyrophoric alloys, n.o.s.	4.2	UN1383	I	4.2	B11	None	187	242	Forbidden	Forbidden	D	
	Pyrophoric solids, n.o.s.	4.2	UN2846	I	4.2	.....	None	187	242	Forbidden	Forbidden	D	
	Pyrosulfuryl chloride	8	UN1817	II	8	B2, T9, T27	154	202	242	1 L	30 L	C	8, 40
	<i>Pyroxylin solution or solvent,</i> <i>see</i> Nitrocellulose	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Pyrolidine	3	UN1922	II	3	T1	None	202	243	1 L	5 L	B	40
	<i>Quebrachitol pentanitrate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Quicklime, see</i> Calcium oxide	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Quinoline	6.1	UN2656	III	6.1	T8	153	203	241	60 L	220 L	A	12
	<i>R 114, see</i> Dichlorotetrafluoro- ethane	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>R 115, see</i> Chloropentafluoro- ethane	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>R 116, see</i> Hexafluoroethane	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>R 124, see</i> Chlorotetrafluoro- ethane	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>R 133a, see</i> Chlorotrifluoro- ethane	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>R 152a, see</i> Difluoroethane	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>R 500, see</i> Dichlorodifluoro- methane and difluoroethane, <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>R 502, see</i> Chlorodifluorometh- ane and chloropentafluoro- ethane mixture, <i>etc.</i>

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	<i>R 503, see</i> Chlorotrifluoromethane and trifluoromethane, etc.	
	<i>R 12, see</i> Dichlorodifluoromethane	
	<i>R 12B1, see</i> Chlorodifluorobromomethane	.....	.....		.....	.....				.....	.....	.....
	<i>R 13, see</i> Chlorotrifluoromethane	.....	.....		.....	.....				.....	.....	.....
	<i>R 13B1, see</i> Bromotrifluoromethane	.....	.....		.....	.....				.....	.....	.....
	<i>R 14, see</i> Tetrafluoromethane	.....	.....		.....	.....				.....	.....	.....
	<i>R 21, see</i> Dichlorofluoromethane	.....	.....		.....	.....				.....	.....	.....
	<i>R 22, see</i> Chlorodifluoromethane	.....	.....		.....	.....				.....	.....	.....
	Radioactive material, excepted package-articles manufactured from natural <i>or</i> depleted uranium <i>or</i> natural thorium	7	UN2910		None	.....	422, 426	422, 426	422, 426	.....	.....	A	
	Radioactive material, excepted package-empty package <i>or</i> empty packaging	7	UN2910		EMPTY	.....	421, 428	421, 428	421, 428	.....	.....	A	
	Radioactive material, excepted package-empty package <i>or</i> empty packaging	7	UN2910		.....	.....	428	428	428	.....	.....	A	
	Radioactive material, excepted package-instruments <i>or</i> articles	7	UN2910		None	.....	422, 424	422, 424	422, 424	.....	.....	A	
	Radioactive material, excepted package-limited quantity of material	7	UN2910		None	.....	421, 422	421, 422	421, 422	.....	.....	A	
	Radioactive material, fissile, n.o.s.	7	UN2918	7	7	.....	453	417	417	.....	.....	A	40, 95
	Radioactive material, low specific activity <i>or</i> Radioactive material, LSA, n.o.s.	7	UN2912	7	7	.....	421, 428	427	427	.....	.....	A	
	Radioactive material, n.o.s.	7	UN2982	7	7	.....	421, 428	415, 416	415, 416	.....	.....	A	40, 95
	Radioactive material, special form, n.o.s.	7	UN2974	7	7	.....	421, 424	415, 416	415, 416	.....	.....	A	
	Radioactive material, surface contaminated object <i>or</i> Radioactive material, SCO	7	UN2913	7	7	.....	421, 424, 426	427	427	.....	.....	A	
	<i>Railway torpedo, see</i> Signals, railway track, explosive	.....	.....		.....	.....				.....	.....	.....
	Rare gases and nitrogen mixtures, compressed	2.2	UN1981	2.2	2.2	.....	306	302	None	75 kg	150 kg	A	
	Rare gases and oxygen mixtures, compressed	2.2	UN1980	2.2	2.2	.....	306	302	None	75 kg	150 kg	A	
	Rare gases mixtures, compressed	2.2	UN1979	2.2	2.2	.....	306	302	None	75 kg	150 kg	A	
	<i>RC 318, see</i> Octafluorocyclobutane	.....	.....		.....	.....				.....	.....	.....
	RDX and cyclotetramethylenetranitramine, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized	.....	.....		.....	.....				.....	.....	.....
	RDX and HMX mixtures, wetted with not less than 15% water by mass <i>or</i> RDX and HMX mixtures, desensitized with not less than 10% phlegmatizer by mass	1.1D	UN0391	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	RDX and Octogen mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	RDX and Octogen mixtures, wetted <i>or</i> desensitized <i>see</i> RDX and HMX mixtures, wetted <i>or</i> desensitized <i>etc.</i>	
	<i>RDX, see</i> Cyclotrimethylene trinitramine, etc.	

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	Receptacles, small, containing gas (gas cartridges) <i>flammable</i> , 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
	Receptacles, small, containing gas (gas cartridges) <i>nonflammable</i> , without release device, not refillable and not exceeding 1 L capacity	2.2	UN2037		2.2	.....	306	304	None	1 kg	15 kg	B	40
	Red phosphorus, see Phosphorus, amorphous	.....	.....		.....	.....				.....	.....	.....
	Refrigerant gases, n.o.s.	2.2	UN1078		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
D	Refrigerant gases, n.o.s. or Dispersant gases, n.o.s.	2.1	NA1954		2.1	.....	306	304	314, 315	Forbidden	150 kg	C	40
D	Refrigerating machine	3	NA1993	III	3	.....	174	174	None	10 L	10 L	A	
D	Refrigerating machines, containing flammable, non- poisonous, liquefied gas	2.1	NA1954		2.1	.....	306	306	306	Forbidden	25 kg	C	40
	Refrigerating machines, containing non-flammable, non-toxic, liquefied gas or ammonia solution (UN2672)	2.2	UN2857		2.2	.....	306, 307	306	306, 307	Forbidden	450 kg	A	
	Regulated medical waste	6.2	UN3291	II	6.2	A13, A14	134	197	None	Forbidden	Forbidden	E	
	Release devices, explosive	1.4S	UN0173	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	Resin solution, flammable	3	UN1866	I	3	B52, T8, T31	150	201	243	1 L	30 L	E	
	.....	.....	.....	II	3	B52, T7, T30	150	173	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, B52, T7, T30	150	173	242	60 L	220 L	A	
	Resorcinol	6.1	UN2876	III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Rifle grenade, see Grenades, hand or rifle, etc.	.....	.....		.....	.....				.....	.....	.....
	Rifle powder, see Powder, smokeless (UN 0160)	.....	.....		.....	.....				.....	.....	.....
	Rivets, explosive	1.4S	UN0174	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	Road asphalt or tar liquid, see Tars, liquid, etc.	.....	.....		.....	.....				.....	.....	.....
	Rocket motors	1.3C	UN0186	II	1.3C	109	None	62	None	Forbidden	220 kg	B	
	Rocket motors	1.1C	UN0280	II	1.1C	109	None	62	None	Forbidden	Forbidden	B	
	Rocket motors	1.2C	UN0281	II	1.2C	109	None	62	None	Forbidden	Forbidden	B	
	Rocket motors, liquid fueled	1.2J	UN0395	II	1.2J	109	None	62	None	Forbidden	Forbidden	E	7E, 16E, 23E
	Rocket motors, liquid fueled	1.3J	UN0396	II	1.3J	109	None	62	None	Forbidden	Forbidden	E	7E, 16E, 23E
	Rocket motors with hypergolic liquids with or without an expelling charge	1.3L	UN0250	II	1.3L	109	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Rocket motors with hypergolic liquids with or without an expelling charge	1.2L	UN0322	II	1.2L	109	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Rockets, line-throwing	1.4G	UN0453	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	
	Rockets, line throwing	1.2G	UN0238	II	1.2G	.....	None	62	None	Forbidden	Forbidden	B	
	Rockets, line-throwing	1.3G	UN0240	II	1.3G	.....	None	62	None	Forbidden	75 kg	B	
	Rockets, liquid fueled with burst- ing charge	1.2J	UN0398	II	1.2J	.....	None	62	None	Forbidden	Forbidden	E	7E, 16E, 23E
	Rockets, liquid fueled with burst- ing charge	1.1J	UN0397	II	1.1J	.....	None	62	None	Forbidden	Forbidden	E	7E, 16E, 23E
	Rockets, with bursting charge	1.1F	UN0180	II	1.1F	.....	None	62	None	Forbidden	Forbidden	E	
	Rockets, with bursting charge	1.1E	UN0181	II	1.1E	.....	None	62	None	Forbidden	Forbidden	B	
	Rockets, with bursting charge	1.2E	UN0182	II	1.2E	.....	None	62	None	Forbidden	Forbidden	B	
	Rockets, with bursting charge	1.2F	UN0295	II	1.2F	.....	None	62	None	Forbidden	Forbidden	E	
	Rockets, with expelling charge	1.2C	UN0436	II	1.2C	.....	None	62	None	Forbidden	Forbidden	B	
	Rockets, with expelling charge	1.3C	UN0437	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	
	Rockets, with expelling charge	1.4C	UN0438	II	1.4C	.....	None	62	None	Forbidden	75 kg	A	24E
	Rockets, with inert head	1.3C	UN0183	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	
	Rosin oil	3	UN1286	II	3	T7	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Rubber solution	3	UN1287	II	3	T7, T30	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	Rubidium	4.3	UN1423	I	4.3	22, A7, A19, B100, N34, N40, N45	None	211	242	Forbidden	15 kg	D	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
I	Rubidium hydroxide	8	UN2678	II	8	T8	154	212	240	15 kg	50 kg	A	12E
	Rubidium hydroxide solution	8	UN2677	II	8	B2, T8	154	202	242	1 L	30 L	A	
	Safety fuse, see Fuse, safety	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Samples, explosive, other than	.....	UN0190	.....	.....	113	.....	62	None	Forbidden	Forbidden	E
	initiating explosives	13
	Sand acid, see Fluorosilicic	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	acid	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Seed cake, containing vegeta-	4.2	UN1386	III	None	N7	None	213	241	Forbidden	Forbidden	A	
	ble oil solvent extractions	13
	and expelled seeds,	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
I	containing not more than	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	10% of oil and when the	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	amount of moisture is	13
	higher than 11%, not more	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	than 20% of oil and mois-	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	ture combined	13
	Seed cake with more than	4.2	UN1386	III	None	N7	None	213	241	Forbidden	Forbidden	E	
	1.5% oil and not more than	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	11% moisture	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Seed cake with not more than	4.2	UN2217	III	None	N7	None	213	241	Forbidden	Forbidden	A	13
D	1.5% oil and not more than	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	11% moisture	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Selenates or Selenites	6.1	UN2630	I	6.1	None	211	242	5 kg	50 kg	E	40
	Selenic acid	8	UN1905	I	8	N34	None	211	242	Forbidden	25 kg	A	
	Selenites, see Selenates or	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Selenites	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Selenium compound, n.o.s.	6.1	UN3283	I	6.1	None	211	242	5 kg	50 kg	B	40
	.....	.....	.....	II	6.1	T14	None	212	242	25 kg	100 kg	B
	.....	.....	.....	III	6.1	T7	153	213	240	100 kg	200 kg	A
	Selenium disulfide	6.1	UN2657	II	6.1	.....	None	212	242	25 kg	100 kg	A
+AD	Selenium hexafluoride	2,3	UN2194	2,3, 8	1	None	302	None	Forbidden	Forbidden	D	40
	Selenium nitride	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Selenium oxide	6.1	NA2811	I	6.1	.....	None	211	242	5 kg	50 kg	B
	Selenium oxychloride	8	UN2879	I	8, 6.1	A3, A6, A7, N34, T12, T27	None	201	243	0.5 L	2.5 L	E	
	Self-defense spray, aerosol,	40
	see Aerosols, etc	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Self-defense spray, non-pres-	9	NA3334	II	9	A37	155	203	None	No limit	No limit	A	
	surized	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Self-heating liquid, corrosive,	4.2	UN3188	II	4.2, 8	None	202	243	1 L	5 L	C	40
	inorganic, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
+AD	Self-heating liquid, corrosive,	4.2	UN3185	III	4.2, 8	.....	None	203	241	5 L	60 L	C
	organic, n.o.s.	.....	.....	II	4.2, 8	.....	None	202	243	1 L	5 L	C
	Self-heating liquid, corrosive,	4.2	UN3186	III	4.2, 8	None	203	241	5 L	60 L	C	40
	organic, n.o.s.	.....	.....	II	4.2	.....	None	202	242	1 L	5 L	C
	Self-heating liquid, inorganic,	4.2	UN3183	III	4.2	.....	None	203	241	5 L	60 L	C
	n.o.s.	.....	.....	II	4.2	.....	None	202	242	1 L	5 L	C
	Self-heating liquid, organic,	4.2	UN3187	III	4.2	None	203	241	5 L	60 L	C	40
	n.o.s.	.....	.....	II	4.2, 6.1	.....	None	202	243	1 L	5 L	C
	Self-heating liquid, toxic, inor-	4.2	UN3184	III	4.2, 6.1	.....	None	203	241	5 L	60 L	C
	ganic, n.o.s.	.....	.....	II	4.2, 6.1	.....	None	202	243	1 L	5 L	C
+AD	Self-heating liquid, toxic,	4.2	UN3192	III	4.2, 6.1	None	203	241	5 L	60 L	C	40
	organic, n.o.s.	.....	.....	II	4.2, 8	.....	None	212	242	15 kg	50 kg	C
	Self-heating solid, corrosive,	4.2	UN3126	III	4.2, 8	.....	None	213	242	25 kg	100 kg	C
	inorganic, n.o.s.	.....	.....	II	4.2, 8	.....	None	212	242	15 kg	50 kg	C
	Self-heating solid, corrosive,	4.2	UN3190	III	4.2, 8	None	213	242	25 kg	100 kg	C	40
	organic, n.o.s.	.....	.....	II	4.2	.....	None	212	241	15 kg	50 kg	C
	Self-heating solid, inorganic,	4.2	UN3088	III	4.2	.....	None	213	241	25 kg	100 kg	C
	n.o.s.	.....	.....	II	4.2	B101	None	212	241	25 kg	100 kg	C
	Self-heating, solid, organic,	4.2	UN3127	III	4.2	None	213	241	25 kg	100 kg	C	40
	n.o.s.	.....	.....	II	4.2	B101	None	212	241	25 kg	100 kg	C
+AD	Self-heating, solid, oxidizing,	4.2	UN3191	III	4.2	.....	None	213	242	25 kg	100 kg	C
	n.o.s.	.....	.....	II	4.2, 5.1	.....	None	214	214	Forbidden	Forbidden	.....
	Self-heating solid, toxic, inor-	4.2	UN3191	II	4.2, 6.1	None	212	242	15 kg	50 kg	C	40
	ganic, n.o.s.	III	4.2, 6.1	None	213	242	25 kg	100 kg	C	
	
	
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	Self-heating, solid, toxic, n.o.s. <i>Self-propelled vehicle, see Engines or Batteries etc.</i>	4.2	UN3128	II III	4.2, 6.1 4.2, 6.1	None None	212 213	242 242	15 kg 25 kg	50 kg 100 kg	C C	
	Self-reactive liquid type B	4.1	UN3221	II	4.1	53	None	224	None	Forbidden	Forbidden	D61	
	Self-reactive liquid type B, temperature controlled	4.1	UN3231	II	4.1	53	None	224	None	Forbidden	Forbidden	D	2, 61
	Self-reactive liquid type C	4.1	UN3223	II	4.1	.....	None	224	None	5 L	10 L	D	61
	Self-reactive liquid type C, temperature controlled	4.1	UN3233	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 61
	Self-reactive liquid type D	4.1	UN3225	II	4.1	.....	None	224	None	5 L	10 L	D	61
	Self-reactive liquid type D, temperature controlled	4.1	UN3235	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 61
	Self-reactive liquid type E	4.1	UN3227	II	4.1	.....	None	224	None	10 L	25 L	D	61
	Self-reactive liquid type E, temperature controlled	4.1	UN3237	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 61
	Self-reactive liquid type F	4.1	UN3229	II	4.1	.....	None	224	None	10 L	25 L	D	61
	Self-reactive liquid type F, temperature controlled	4.1	UN3239	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 61
	Self-reactive solid type B	4.1	UN3222	II	4.1	53	None	224	None	Forbidden	Forbidden	D	61
	Self-reactive solid type B, temperature controlled	4.1	UN3232	II	4.1	53	None	224	None	Forbidden	Forbidden	D	2, 61
	Self-reactive solid type C	4.1	UN3224	II	4.1	.....	None	224	None	5 kg	10 kg	D	61
	Self-reactive solid type C, temperature controlled	4.1	UN3234	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 61
	Self-reactive solid type D	4.1	UN3226	II	4.1	.....	None	224	None	5 kg	10 kg	D	61
	Self-reactive solid type D, temperature controlled	4.1	UN3236	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 61
	Self-reactive solid type E	4.1	UN3228	II	4.1	.....	None	224	None	10 kg	25 kg	D	61
	Self-reactive solid type E, temperature controlled	4.1	UN3238	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 61
	Self-reactive solid type F	4.1	UN3230	II	4.1	.....	None	224	None	10 kg	25 kg	D	61
	Self-reactive solid type F, temperature controlled	4.1	UN3240	II	4.1	.....	None	224	None	Forbidden	Forbidden	D	2, 61
	Shale oil	3	UN1288	I II III	3 3 3	T7 T7, T30 B1, T7, T30	None 150 150	201 202 203	243 242 242	1 L 5 L 60 L	30 L 60 L 220 L	B B A	
	<i>Shaped charges, commercial, see Charges, shaped, commercial etc.</i>												
	Signal devices, hand	1.4G	UN0191	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	Signal devices, hand	1.4S	UN0373	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	Signals, distress, <i>ship</i>	1.1G	UN0194	II	1.1G	.....	None	62	None	Forbidden	75 kg	B	
	Signals, distress, <i>ship</i>	1.3G	UN0195	II	1.3G	.....	None	62	None	Forbidden	75 kg	B	
	<i>Signals, highway, see Signal devices, hand; Fireworks, type D</i>												
	Signals, railway track, explosive	1.1G	UN0192	II	1.1G	.....	None	62	None	Forbidden	Forbidden	B	
	Signals, railway track, explosive	1.3G	UN0492		1.3G	.....	None	62	None	Forbidden	Forbidden	E	1E,8E
	Signals, railway track, explosive	1.4G	UN0493		1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	Signals, railway track, explosive	1.4S	UN0193	II	1.4S	.....	None	62	None	25 kg	100 kg	A	
	<i>Signals, ship distress, water-acti- vated, see Contrivances, water-activated, etc.</i>												
	Signals, smoke	1.1G	UN0196	II	1.1G	.....	None	62	None	Forbidden	Forbidden	B	
	Signals, smoke	1.2G	UN0313	II	1.2G	.....	None	62	None	Forbidden	Forbidden	B	
	Signals, smoke	1.4G	UN0197	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	Signals, smoke	1.3G	UN0487	II	1.3G	.....	None	62	None	Forbidden	Forbidden	B	
	Silane, compressed	2.1	UN2203		2.1	.....	None	302	None	Forbidden	Forbidden	E	40, 57, 104
	<i>Silicofluoric acid, see Fluorosili- cic acid</i>												
	<i>Silicon chloride, see Silicon tetrachloride</i>												
	Silicon powder, amorphous	4.1	UN1346	III	4.1	A1	None	213	240	25 kg	100 kg	A	
	Silicon tetrachloride	8	UN1818	II	8	A3, A6, B2, B6, T18, T26, T29	154	202	242	1 L	30 L	C	40
	Silicon tetrafluoride, compressed	2.3	UN1859		2.3, 8	2	None	302	None	Forbidden	Forbidden	D	40

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D	<i>Silver acetylide (dry)</i>	Forbidden 6.1 UN1683	II 6.1	None	212	242 25 kg 100 kg A	26, 40
	<i>Silver arsenite</i>	Forbidden 6.1	.....		.....	.....				.....	.....	.....
	<i>Silver azide (dry)</i>	Forbidden 6.1	.....		.....	.....				.....	.....	.....
	<i>Silver chlorite (dry)</i>	Forbidden 6.1	.....		.....	.....				.....	.....	.....
	<i>Silver cyanide</i>	Forbidden 5.1	..... UN1684	II	..... 6.1	.....	None	212	242	..... 25 kg	..... 100 kg	..... A	26, 40
	<i>Silver fulminate (dry)</i>	Forbidden 5.1	..... UN1493	II	..... 5.1	.....	152	212	242	..... 5 kg	..... 25 kg	..... A	
	<i>Silver nitrate</i>	Forbidden 4.1	.....		.....	.....				.....	.....	.....
	<i>Silver oxalate (dry)</i>	Forbidden 4.1	.....		.....	.....				.....	.....	.....
	<i>Silver picrate (dry)</i>	Forbidden 4.1	.....		.....	.....				.....	.....	.....	28, 36
	<i>Silver picrate, wetted with not less than 30% water, by mass</i>	Forbidden 4.1	..... UN1347	I	..... 4.1	.....	None	211	None	Forbidden	Forbidden	D	
	<i>Sludge, acid</i>	8	..... UN1906	II	..... 8	A3, A7, B2, N34, T9, T27	None	202	242	Forbidden	30 L	C	14
	<i>Smokeless powder for small arms (100 pounds or less)</i>	4.1	..... NA3178	I	..... 4.1	16	None	171	None	Forbidden	7.3 kg	A	
	<i>Soda lime with more than 4% sodium hydroxide</i>	8	..... UN1907	III	..... 8	.....	154	213	240	25 kg	100 kg	A	
	<i>Sodium</i>	4.3	..... UN1428	I	..... 4.3	A7, A8, A19, A20, B9, B48, B68, N34, T15, T29, T46	None	212	244	Forbidden	15 kg	D	
	<i>Sodium aluminate, solid</i>	8	..... UN2812	III	..... 8	.....	154	213	240	25 kg	100 kg	A	
	<i>Sodium aluminate, solution</i>	8	..... UN1819	II	..... 8	B2, T8	154	202	242	1 L	30 L	A	
	<i>Sodium aluminum hydride</i>	4.3	..... UN2835	II	..... 4.3	A8, A19, A20, B100	151	212	242	Forbidden	50 kg	E	
	<i>Sodium ammonium vanadate</i>	6.1	..... UN2863	II	..... 6.1	.....	None	212	242	25 kg	100 kg	A	
	<i>Sodium arsanilate</i>	6.1	..... UN2473	III	..... 6.1	.....	153	213	240	100 kg	200 kg	A	
	<i>Sodium arsenate</i>	6.1	..... UN1685	II	..... 6.1	.....	None	212	240	25 kg	100 kg	A	
	<i>Sodium arsenite, aqueous solutions</i>	6.1	..... UN1686	II	..... 6.1	T15	None	202	243	5 L	60 L	A	
	.....	.....	.....	III	..... 6.1	T15	153	203	241	60 L	220 L	A	
	<i>Sodium arsenite, solid</i>	6.1	..... UN2027	II	..... 6.1	.....	None	212	242	25 kg	100 kg	A	
	<i>Sodium azide</i>	6.1	..... UN1687	II	..... 6.1	B28	None	212	242	25 kg	100 kg	A	36, 52, 91
	<i>Sodium bifluoride, see Sodium hydrogen fluoride</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Sodium bisulfate, solution, see Bisulfates, aqueous solu- tions, n.o.s.</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Sodium borohydride</i>	4.3	..... UN1426	I	..... 4.3	B100, N40	None	211	242	Forbidden	15 kg	E	26
	<i>Sodium borohydride and sodium hydroxide solution, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide by mass</i>	8	..... UN3320	II	..... 8	B2, N34, T8	154	202	242	1 L	30 L	A	
	.....	.....	.....	III	..... 8	B2, N34, T7	154	203	241	5 L	60 L	A	
	<i>Sodium bromate</i>	5.1	..... UN1494	II	..... 5.1	.....	152	212	242	5 kg	25 kg	A	56, 58, 106
	<i>Sodium cacodylate</i>	6.1	..... UN1688	II	..... 6.1	.....	None	212	242	25 kg	100 kg	A	26
	<i>Sodium chlorate</i>	5.1	..... UN1495	II	..... 5.1	A9, N34, T8	152	212	240	5 kg	25 kg	A	56, 58, 106
	<i>Sodium chlorate mixed with dinitrotoluene, see Explosive blasting, type C</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Sodium chlorate, aqueous solution</i>	5.1	..... UN2428	II	..... 5.1	A2, B6, T8	152	202	241	1 L	5 L	B	56, 58, 106
	.....	.....	.....	III	..... 5.1	A2, T8	152	203	241	2.5 L	30 L	B	56, 58, 69, 106
	<i>Sodium chlorite</i>	5.1	..... UN1496	II	..... 5.1	A9, N34, T8	None	212	242	5 kg	25 kg	A	56, 58, 106
	<i>Sodium chloroacetate</i>	6.1	..... UN2659	III	..... 6.1	.....	153	213	240	100 kg	200 kg	A	
	<i>Sodium cuprocyanide, solid</i>	6.1	..... UN2316	I	..... 6.1	.....	None	211	242	5 kg	50 kg	A	26
	<i>Sodium cuprocyanide, solution</i>	6.1	..... UN2317	I	..... 6.1	T8, T26	None	201	243	1 L	30 L	B	26, 40
	<i>Sodium cyanide</i>	6.1	..... UN1689	I	..... 6.1	B69, B77, N74, N75, T42	None	211	242	5 kg	50 kg	B	52
	<i>Sodium dichloroisocyanurate or Sodium dichloro-s- triazinetriene, see Dichloroi- socyanuric acid etc.</i>	.....	.....		.....	.....				.....	.....	.....
	<i>Sodium dinitro-o-cresolate, dry or wetted with less than 15% water, by mass</i>	1.3C UN0234	II 1.3C	None	62	None	Forbidden	Forbidden	B	1E, 5E

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D	Sodium dinitro-o-cresolate, wetted with not less than 15% water, by mass	4.1	UN1348	I	4.1, 6.1	23, A8, A19, A20, N41	None	211	None	1 kg	15 kg	E	28, 36
	Sodium dithionite or Sodium hydrosulfite	4.2	UN1384	II	4.2	A19, A20, B106	None	212	241	15 kg	50 kg	E	13
	Sodium fluoride	6.1	UN1690	III	6.1	T8	153	213	240	100 kg	200 kg	A	26
	Sodium fluoroacetate	6.1	UN2629	I	6.1	.....	None	211	242	5 kg	50 kg	E	
	Sodium fluorosilicate	6.1	UN2674	III	6.1	.....	153	213	240	100 kg	200 kg	A	26
	Sodium hydrate, see Sodium hydroxide, solid	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sodium hydride	4.3	UN1427	I	4.3	A19, B100, N40	None	211	242	Forbidden	15 kg	E	
	Sodium hydrogendifluoride, solid	8	UN2439	II	8	B106, N3, N34	154	212	240	15 kg	50 kg	A	12, 25, 26, 40
	Sodium hydrogen fluoride, solution	8	UN2439	II	8	N3, N34	154	202	242	1 L	30 L	A	12, 25, 26, 40
	Sodium hydrosulfide, solution	8	NA2922	II	8, 6.1	B2	154	202	243	1 L	30 L	B	40, 95
	Sodium hydrosulfide, with less than 25% water of crystalli- zation	4.2	UN2318	II	4.2	A7, A19, A20	None	212	241	15 kg	50 kg	A	
	Sodium hydrosulfide with not less than 25% water of crys- tallization	8	UN2949	II	8	A7	154	212	240	15 kg	50 kg	A	26
	Sodium hydrosulfite, see Sodium dithionite	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sodium hydroxide, solid	8	UN1823	II	8	.....	154	212	240	15 kg	50 kg	A	
	Sodium hydroxide solution	8	UN1824	II	8	B2, N34, T8	154	202	242	1 L	30 L	A	
	.....	.....	.....	III	8	N34, T7	154	203	241	5 L	60 L	A	
	Sodium hypochlorite, solution, see Hypochlorite solutions etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sodium metal, liquid alloy, see Alkali metal alloys, liquid, n.o.s.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sodium methylate	4.2	UN1431	II	4.2, 8	A19	None	212	242	15 kg	50 kg	B	
	Sodium methylate solutions in alcohol	3	UN1289	II	3, 8	T8, T31	150	202	242	5 L	60 L	A	
	.....	.....	.....	III	3, 8	B1, T7, T30	150	203	242	5 L	60 L	A	
	Sodium monoxide	8	UN1825	II	8	.....	154	212	240	15 kg	50 kg	A	
	Sodium nitrate	5.1	UN1498	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Sodium nitrate and potassium nitrate mixtures	5.1	UN1499	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Sodium nitrite	5.1	UN1500	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	56, 58
	Sodium pentachlorophenate	6.1	UN2567	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Sodium perchlorate	5.1	UN1502	II	5.1	.....	152	212	242	5 kg	25 kg	A	56, 58, 106
	Sodium permanganate	5.1	UN1503	II	5.1	.....	152	212	242	5 kg	25 kg	D	56, 58, 69, 106, 107
	Sodium peroxide	5.1	UN1504	I	5.1	A20, N34	None	211	None	Forbidden	15 kg	B	13, 75, 106
	Sodium peroxoborate, anhydrous	5.1	UN3247	II	5.1	.....	152	212	240	5 kg	25 kg	A	13,25,106
	Sodium persulfate	5.1	UN1505	III	5.1	A1	152	213	240	25 kg	100 kg	A	
	Sodium phosphide	4.3	UN1432	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	40, 85
	Sodium picramate, dry or wetted with less than 20% water, by mass	1.3C	UN0235	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B	1E, SE
D	Sodium picramate, wetted with not less than 20% water, by mass	4.1	UN1349	I	4.1	23, A8, A19, N41	None	211	None	Forbidden	15 kg	E	28, 36
	Sodium picryl peroxide	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sodium potassium alloys, see Potassium sodium alloys	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sodium selenate, see Selenates or Selenites	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sodium selenite	6.1	NA2630	II	6.1	.....	None	212	242	25 kg	100 kg	E	
	Sodium sulfide, anhydrous or Sodium sulfide with less than 30% water of crystallization	4.2	UN1385	II	4.2	A19, A20, B106, N34	None	212	241	15 kg	50 kg	A	
	Sodium sulfide, hydrated with at least 30% water	8	UN1849	II	8	T8	154	212	240	15 kg	50 kg	A	26
	Sodium superoxide	5.1	UN2547	I	5.1	A20, N34	None	211	None	Forbidden	15 kg	E	13, 75, 106

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	<i>Sodium tetranitride</i>	Forbidden	
	Sounding devices, explosive	1.2F	UN0204	II	1.2F	None	62	None	Forbidden	Forbidden	E	
	Solids containing corrosive liquid, n.o.s.	8	UN3244	II	8	49	154	212	240	15 kg	50 kg	B	40
	Solids containing flammable liquid, n.o.s.	4.1	UN3175	II	4.1	47	151	212	240	15 kg	50 kg	B	
	Solids containing toxic liquid, n.o.s.	6.1	UN3243	II	6.1	48	None	212	240	25 kg	100 kg	B	40
	Sounding devices, explosive	1.1F	UN0296	II	1.1F	.....	None	62	None	Forbidden	Forbidden	E	
	Sounding devices, explosive	1.1D	UN0374	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	
	Sounding devices, explosive	1.2D	UN0375	II	1.2D	.....	None	62	None	Forbidden	Forbidden	B	
	<i>Spirits of salt, see</i> Hydrochloric acid	.....	.....		.....	.....				.....	.....	.....
	<i>Squibs, see</i> Igniters <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Stannic chloride, anhydrous	8	UN1827	II	8	B2, T8, T26	154	202	242	1 L	30 L	C	
	Stannic chloride, pentahydrate	8	UN2440	III	8	.....	154	213	240	25 kg	100 kg	A	
	Stannic phosphide	4.3	UN1433	I	4.3, 6.1	A19, B100, N40	None	211	242	Forbidden	15 kg	E	40, 85
	<i>Steel swarf, see</i> Ferrous metal borings, <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Stibine	2.3	UN2676		2.3, 2.1	1	None	304	None	Forbidden	Forbidden	D	40
	<i>Storage batteries, wet, see</i> Batteries, <i>wet etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Strontium arsenite	6.1	UN1691	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Strontium chlorate	5.1	UN1506	II	5.1	A1, A9, N34	152	212	242	5 kg	25 kg	A	56, 58, 106
	Strontium nitrate	5.1	UN1507	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Strontium perchlorate	5.1	UN1508	II	5.1	T8	152	212	242	5 kg	25 kg	A	56, 58, 106
	Strontium peroxide	5.1	UN1509	II	5.1	.....	152	212	242	5 kg	25 kg	A	13, 75, 106
	Strontium phosphide	4.3	UN2013	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	40, 85
	Strychnine <i>or</i> Strychnine salts	6.1	UN1692	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	Styphnic acid, <i>see</i> Trinitroresor- cinol, <i>etc.</i>	.....	.....		.....	.....				.....	.....	.....
	Styrene monomer, inhibited	3	UN2055	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Substances, explosive, n.o.s.	1.1 L	UN0357	II	1.1 L	101	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Substances, explosive, n.o.s.	1.2L	UN0358	II	1.2L	101	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Substances, explosive, n.o.s.	1.3L	UN0359	II	1.3L	101	None	62	None	Forbidden	Forbidden	E	2E, 8E, 11E, 17E
	Substances, explosive, n.o.s.	1.1A	UN0473	II	1.1A	101, 111	None	62	None	Forbidden	Forbidden	E	2E, 6E
	Substances, explosive, n.o.s.	1.1C	UN0474	II	1.1C	101	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Substances, explosive, n.o.s.	1.1D	UN0475	II	1.1D	101	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Substances, explosive, n.o.s.	1.1G	UN0476	II	1.1G	101	None	62	None	Forbidden	Forbidden	B	1E, 8E
	Substances, explosive, n.o.s.	1.3C	UN0477	II	1.3C	101	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Substances, explosive, n.o.s.	1.3G	UN0478	II	1.3G	101	None	62	None	Forbidden	Forbidden	E	1E, 8E
	Substances, explosives, n.o.s.	1.4C	UN0479	II	1.4C	101	None	62	None	Forbidden	75 kg	A	1E, 5E
	Substances, explosives, n.o.s.	1.4D	UN0480	II	1.4D	101	None	62	None	Forbidden	75 kg	A	1E, 5E, 24E
	Substances, explosive, n.o.s.	1.4S	UN0481	II	1.4S	101	None	62	None	25 kg	75 kg	A	
	Substances, explosive, n.o.s.	1.4G	UN0485	II	1.4G	101	None	62	None	Forbidden	75 kg	E	1E, 5E
	Substances, explosive, very insensitive, n.o.s., <i>or</i> Substances, EVI, n.o.s.	1.5D	UN0482	II	1.5D	101	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Substituted nitrophenol pesti- cides, liquid, flammable, toxic, n.o.s., <i>flash point less than 23°C</i>	3	UN2780	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	Substituted nitrophenol pesti- cides, liquid, toxic, flamma- ble, n.o.s. <i>flash point not less than 23°C</i>	6.1	UN3013	II I	3, 6.1 6.1, 3	..... T42	None None	202 201	243 243	1 L 1 L	60 L 30 L	B B	40 40
	Substituted nitrophenol pesti- cides, liquid, toxic, n.o.s.	6.1	UN3014	II III I	6.1, 3 6.1, 3 6.1	T14 B1, T14 T42	None 153 None	202 203 201	243 242 243	5 L 60 L 1 L	60 L 220 L 30 L	B A B	40 40 40
	Substituted nitrophenol pesti- cides, liquid, toxic, n.o.s.	.....	.....	II	6.1	T14	None	202	243	5 L	60 L	B	40
	Substituted nitrophenol pesti- cides, liquid, toxic, n.o.s.	III	6.1	T14	153	203	241	60 L	220 L	A	40

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D I	Substituted nitrophenol pesti- cides, solid, toxic, n.o.s.	6.1	UN2779	I	6.1	None	211	242	5 kg	50 kg	A	40
	.....	.....	.....	II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....	.....	.....	III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	<i>Sucrose octantrate (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sulfamic acid	8	UN2967	III	8	.....	154	213	240	25 kg	100 kg	A	.....
	Sulfur	9	NA1350	III	9	30, A1	None	None	240	25 kg	100 kg	A	19,74
	Sulfur	4.1	UN1350	III	4.1	30, A1, N20, T1	None	None	240	25 kg	100 kg	A	19, 74
	<i>Sulfur and chlorate, loose mixtures of</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sulfur chlorides	8	UN1828	I	8	5, A3, B10, B77, N34, T18, T27	None	201	243	Forbidden	2.5 L	C	40
	<i>Sulfur dichloride, see</i> Sulfur chlorides	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
D I	Sulfur dioxide	2.3	UN1079	.....	2.3, 8	3, B14	None	304	314, 315	Forbidden	25 kg	D	40
	<i>Sulfur dioxide solution, see</i> Sulfurous acid	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sulfur hexafluoride	2.2	UN1080	.....	2.2	.....	306	304	314, 315	75 kg	150 kg	A	.....
	Sulfur, molten	9	NA2448	III	9	T9, T38	None	213	247	Forbidden	Forbidden	C	61
	Sulfur, molten	4.1	UN2448	III	4.1	T9, T38	None	213	247	Forbidden	Forbidden	C	61
	Sulfur tetrafluoride	2.3	UN2418	.....	2.3, 8	1	None	302	245	Forbidden	Forbidden	D	40
	Sulfur trioxide, inhibited <i>or</i> Sulfur trioxide, stabilized	8	UN1829	I	8, 6.1	2, A7, B9, B14, B32, B49, B74, B77, N34, T38, T43, T45	None	227	244	Forbidden	25 kg	A	40

	Sulfur trioxide, uninhibited	8	NA1829	I	8, 6.1	2, A7, B9, B14, B32, B49, B74, B77, N34, T38, T43, T45	None	227	244	Forbidden	25 kg	A	40
	<i>Sulfuretted hydrogen, see</i> Hydrogen sulfide, liquefied	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
+	Sulfuric acid, fuming <i>with less than 30% free sulfur trioxide</i>	8	UN1831	I	8	A3, A7, B84, N34, T18, T27	None	201	243	Forbidden	2.5 L	C	14, 40
	Sulfuric acid, fuming <i>with 30% or more free sulfur trioxide</i>	8	UN1831	I	8, 6.1	2, A3, A6, A7, B9, B14, B32, B74, B77, B84, N34, T38, T43, T45	None	227	244	Forbidden	Forbidden	C	14, 40

	Sulfuric acid, spent	8	UN1832	II	8	A3, A7, B2, B83, B84, N34, T9, T27	None	202	242	Forbidden	30 L	C	14
	Sulfuric acid <i>with more than 51% acid</i>	8	UN1830	II	8	A3, A7, B3, B83, B84, N34, T9, T27	154	202	242	1 L	30 L	C	14
	Sulfuric acid <i>with not more than 51% acid</i>	8	UN2796	II	8	A3, A7, B2, B15, N6, N34, T9, T27	154	202	242	1 L	30 L	B	.....
	Sulfuric and hydrofluoric acid mixtures, <i>see</i> Hydrofluoric and sulfuric acid mixtures	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Sulfuric anhydride, see</i> Sulfur trioxide, inhibited	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Sulfurous acid	8	UN1833	II	8	B3, T8	154	202	242	1 L	30 L	B	40
	Sulfuryl chloride	8	UN1834	I	8, 6.1	1, A3, B6, B9, B10, B14, B30, B74, B77, N34, T38, T43, T44	None	226	244	Forbidden	Forbidden	C	40
+	Sulfuryl fluoride	2.3	UN2191	.....	2.3	4	None	304	314, 315	Forbidden	25 kg	D	40
	Tars, liquid <i>including road asphalt and oils, bitumen and cut backs</i>	3	UN1999	II	3	B13, T7, T30	150	202	242	5 L	60 L	B
	III	3	B1, B13, T7, T30	150	203	242	60 L	220 L	A

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D	Tear gas candles	6.1	UN1700	II	6.1, 4.1	None	340	None	Forbidden	50 kg	D	40
	<i>Tear gas cartridges, see</i> Ammu- nition, tear-producing, <i>etc.</i>
	Tear gas devices <i>with more than 2% tear gas substances, by mass</i>	6.1	NA1693	I	6.1	.....	None	340	None	Forbidden	Forbidden	D	40
	.....	.....	.....	II	6.1	.....	None	340	None	Forbidden	Forbidden	D	40
	<i>Tear gas devices, with not more than 2% tear gas substances, by mass, see</i> Aerosols, <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Tear gas grenades, see</i> Tear gas candles	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Tear gas substances, n.o.s., liquid	6.1	UN1693	I	6.1	.....	None	201	None	Forbidden	Forbidden	D	40
	.....	.....	.....	II	6.1	.....	None	202	None	Forbidden	5 L	D	40
	Tear gas substances, n.o.s., solid	6.1	UN1693	I	6.1	.....	None	211	None	Forbidden	Forbidden	D	40
	.....	.....	.....	II	6.1	.....	None	212	None	Forbidden	25 kg	D	40
D	Tellurium compound, n.o.s.	6.1	UN3284	I	6.1	.....	None	211	242	5 kg	50 kg	B	.....
	.....	.....	.....	I	6.1	T14	None	212	242	25 kg	100 kg	B	.....
	.....	.....	.....	III	6.1	T7	153	213	240	100 kg	200 kg	A	.....
	Tellurium hexafluoride	2.3	UN2195	.....	2.3, 8	I	None	302	None	Forbidden	Forbidden	D	40
	Terpene hydrocarbons, n.o.s.	3	UN2319	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	Terpinolene	3	UN2541	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	<i>Tetraazido benzene quinone</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Tetrabromoethane	6.1	UN2504	III	6.1	T7	153	203	241	60 L	220 L	A	.....
	Tetrachloroethane	6.1	UN1702	II	6.1	N36, T14	None	202	243	5 L	60 L	A	40
	Tetrachloroethylene	6.1	UN1897	III	6.1	N36, T1	153	203	241	60 L	220 L	A	40
D	Tetraethyl dithiopyrophosphate	6.1	UN1704	II	6.1	.....	None	212	242	25 kg	100 kg	D	40
	Tetraethyl lead, liquid	6.1	NA1649	I	6.1, 3	.....	None	201	None	Forbidden	Forbidden	E	40
	Tetraethyl pyrophosphate, <i>liquid</i>	6.1	NA3018	I	6.1	.....	None	201	243	Forbidden	1 L	A	40
	Tetraethyl pyrophosphate <i>solid</i>	6.1	NA2783	I	6.1	N77	None	211	242	Forbidden	50 kg	A	40
	Tetraethyl silicate	3	UN1292	III	3	B1, T1	150	203	241	60 L	220 L	A	.....
	<i>Tetraethylammonium perchlo- rate (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Tetraethylenepentamine	8	UN2320	III	8	T2	154	203	241	5 L	60 L	A	.....
	1,1,1,2-Tetrafluoroethane <i>or</i> Refrigerant gas R 134a	2.2	UN3159	.....	2.2	.....	306	304	314, 315	75 kg	150 kg	A	.....
	Tetrafluoroethylene, inhibited	2.1	UN1081	.....	2.1	.....	306	304	None	Forbidden	150 kg	E	40
	Tetrafluoromethane, compressed <i>or</i> Refrigerant gas R 14	2.2	UN1982	.....	2.2	.....	None	302	None	75 kg	150 kg	A	.....
D	1,2,3,6-Tetrahydrobenzaldehyde	3	UN2498	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	Tetrahydrofuran	3	UN2056	II	3	T8	None	202	242	5 L	60 L	B	.....
	Tetrahydrofurfurylamine	3	UN2943	III	3	B1, T1	150	203	242	60 L	220 L	A	.....
	Tetrahydrophthalic anhydrides <i>with more than 0.05% of maleic anhydride</i>	8	UN2698	III	8	.....	154	213	240	25 kg	100 kg	A	.....
	1,2,3,6-Tetrahydropyridine	3	UN2410	II	3	T8	150	202	242	5 L	60 L	B	.....
	Tetrahydrothiophene	3	UN2412	II	3	T7	150	202	242	5 L	60 L	B	.....
	Tetramethylammonium hydroxide	8	UN1835	II	8	B2, T8	154	202	242	1 L	30 L	A	.....
	<i>Tetramethylene diperoxide dicarbamide</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Tetramethylsilane	3	UN2749	I	3	T21, T26	None	201	243	Forbidden	30 L	D	.....
	<i>Tetranitro diglycerin</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
+	Tetranitroaniline	1.1D	UN0207	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Tetranitromethane	5.1	UN1510	I	5.1, 6.1	2, B9, B14, B32, B74, T38, T43, T45	None	227	None	Forbidden	Forbidden	D	40, 66, 106

	2,3,4,6-Tetranitrophenol	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2,3,4,6-Tetranitrophenyl methyl nitramine	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2,3,4,6- Tetranitrophenylnitramine	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Tetranitroresorcinol (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2,3,5,6-Tetranitroso-1,4- dinitrobenzene	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2,3,5,6-Tetranitroso nitroben- zene (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Tetrapropylorthotitanate	3	UN2413	III	3	B1, T8	150	203	242	60 L	220 L	A	.....
+	Tetrazene, <i>see</i> Guanyl nitro- saminoguanyltetrazene	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Tetrazine (dry)</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Tetrazol-1-acetic acid	1.4C	UN0407	II	1.4C	.....	None	62	None	Forbidden	75 kg	A	1E, 5E, 24E
	<i>Tetrazolyl azide (dry)</i>	Forbidden
	Tetryl, <i>see</i> Trinitrophenylmethyl- nitramine

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D	Thallium chlorate	5.1	UN2573	II	5.1, 6.1	None	212	242	5 kg	25 kg	A	56, 58, 106
	Thallium compounds, n.o.s.	6.1	UN1707	II	6.1	None	212	242	25 kg	100 kg	A	
	Thallium nitrate	6.1	UN2727	II	6.1, 5.1	.....	None	212	242	5 kg	25 kg	A	
	Thallium sulfate, solid	6.1	NA1707	II	6.1	.....	None	211	242	5 kg	50 kg	A	
	4-Thiapentanal	6.1	UN2785	III	6.1	T8	153	203	241	60 L	220 L	D	25, 49
	Thioacetic acid	3	UN2436	II	3	T8	150	202	242	5 L	60 L	B	
	<i>Thiocarbonylchloride, see</i> <i>Thiophosgene</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Thioglycol	6.1	UN2966	II	6.1	T8	None	202	243	5 L	60 L	A	
	Thioglycolic acid	8	UN1940	II	8	A7, B2, N34, T8	154	202	242	1 L	30 L	A	
	Thiolactic acid	6.1	UN2936	II	6.1	T8	None	212	242	25 kg	100 kg	A	
+	Thionyl chloride	8	UN1836	I	8	A7, B6, B10, N34, T18, T27	None	201	243	Forbidden	2.5 L	C	40
	Thiophene	3	UN2414	II	3	B101, T2	150	202	242	5 L	60 L	B	40
	Thiophosgene	6.1	UN2474	II	6.1	2, A7, B9, B14, B32, B74, N33, N34, T38, T43, T45	None	227	244	Forbidden	60 L	B	26, 40
	Thiophosphoryl chloride	8	UN1837	II	8	A3, A7, B2, B8, B25, B101, N34, T12	None	202	242	Forbidden	30 L	C	40
	Thorium metal, pyrophoric	7	UN2975		7, 4.2	.....	None	418	None	Forbidden	Forbidden	D	
	Thorium nitrate, solid	7	UN2976		7, 5.1	.....	None	419	None	Forbidden	15 kg	A	
	<i>Tin chloride, fuming, see Stan-</i> <i>nic chloride, anhydrous</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Tin perchloride or Tin tetrachlo-</i> <i>ride, see Stannic chloride,</i> <i>anhydrous</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Tinctures, medicinal	3	UN1293	II	3	T8, T31	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
D +	<i>Tinning flux, see Zinc chloride</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Titanium disulphide	4.2	UN3174	III	4.2	.....	None	213	241	25 kg	100 kg	A	
	Titanium hydride	4.1	UN1871	II	4.1	A19, A20, N34	None	212	241	15 kg	50 kg	E	
	Titanium powder, dry	4.2	UN2546	I	4.2	.....	None	211	242	Forbidden	Forbidden	D	
	.....	.....	.....	II	4.2	A19, A20, N5, N34	None	212	241	15 kg	50 kg	D	
	.....	.....	.....	III	4.2	.....	None	213	241	25 kg	100 kg	D	
	Titanium powder, wetted <i>with</i> <i>not less than 25% water (a</i> <i>visible excess of water must</i> <i>be present) (a) mechanically</i> <i>produced, particle size less</i> <i>than 53 microns; (b) chemi-</i> <i>cally produced, particle size</i> <i>less than 840 microns</i>	4.1	UN1352	II	4.1	A19, A20, N34	None	212	240	15 kg	50 kg	E	
	Titanium sponge granules <i>or</i> Titanium sponge powders	4.1	UN2878	III	4.1	A1	None	213	240	25 kg	100 kg	D	
	Titanium sulfate solution	8	NA1760	II	8	B2, B15	None	213	242	1 L	30 L	B	40
	Titanium tetrachloride	8	UN1838	II	8, 6.1	2, A3, A6, B7, B9, B14, B32, B74, B77, T38, T43, T45	None	227	244	Forbidden	30 L	C	40
D +	Titanium trichloride mixtures	8	UN2869	II	8	A7, B106, N34	154	212	240	15 kg	50 kg	A	40
	.....	.....	.....	III	8	A7, N34	154	213	240	25 kg	100 kg	A	40
	Titanium trichloride, pyro- phoric <i>or</i> Titanium trichlo- ride mixtures, pyrophoric	4.2	UN2441	I	4.2, 8	A7, A8, A19, A20, N34	None	181	244	Forbidden	Forbidden	D	40
	<i>TNT mixed with aluminum,</i> <i>see Tritonal</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>TNT, see Trinitrotoluene, etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Toluene	3	UN1294	II	3	T1	150	202	242	5 L	60 L	B	
	Toluene diisocyanate	6.1	UN2078	II	6.1	B101, T14	None	202	243	5 L	60 L	B	25, 40
	<i>Toluene sulfonic acid, see</i> <i>Alkyl, or Aryl sulfonic acid</i> <i>etc.</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Toluidines <i>liquid</i>	6.1	UN1708	II	6.1	T14	None	202	243	5 L	60 L	A	
	Toluidines <i>solid</i>	6.1	UN1708	II	6.1	.....	None	212	241	25 kg	100 kg	A	
D +	2,4-Toluylenediamine <i>or</i> 2,4- Toluenediamine	6.1	UN1709	III	6.1	T7	153	213	240	100 kg	200 kg	A	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
	Torpedoes, liquid fuelled, <i>with inert head</i>	1.3J	UN0450	II	1.3J	.....		62	None	Forbidden	Forbidden	E	7E, 16E, 23E
	Torpedoes, liquid fuelled, <i>with or without bursting charge</i>	1.1J	UN0449	II	1.1J	.....		62	None	Forbidden	Forbidden	E	7E, 16E, 23E
	Torpedoes <i>with bursting charge</i>	1.1E	UN0329	II	1.1E	.....		62	None	Forbidden	Forbidden	B	
	Torpedoes <i>with bursting charge</i>	1.1F	UN0330	II	1.1F	.....		62	None	Forbidden	Forbidden	B	
	Torpedoes <i>with bursting charge</i>	1.1D	UN0451	II	1.1D	.....		62	None	Forbidden	Forbidden	B	
	Toxic liquid, corrosive, inor- ganic, n.o.s.	6.1	UN3289	I	6.1, 8	T42	None	201	243	Forbidden 0.5 L	Forbidden 2.5 L	A	
												
	Toxic liquid, corrosive, inor- ganic, n.o.s. <i>Inhalation Hazard, Packing Group I, Zone A</i>	6.1	UN3289	I	6.1, 8 6.1, 8	T14 1, B9, B14, B30, B72, T38, T43, T44	None None	202 226	243 244	1 L Forbidden	30 L Forbidden	A B	40
	Toxic liquid, corrosive, inor- ganic, n.o.s. <i>Inhalation Hazard, Packing Group I, Zone B</i>	6.1	UN3289	I	6.1, 8	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	B	40
	Toxic liquid, inorganic, n.o.s.	6.1	UN3287	I	6.1	T42	None	201	243	1 L	30 L	A	
	.....			II	6.1	T14, B110	None	202	243	5 L	60 L	A	
	.....			III	6.1	T7	153	203	241	60 L	220 L	A	
	Toxic liquid, inorganic, n.o.s. <i>Inhalation Hazard, Packing Group I, Zone A</i>	6.1	UN3287	I	6.1	1, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	B	40
	Toxic liquid, inorganic, n.o.s. <i>Inhalation Hazard, Packing Group I, Zone B</i>	6.1	UN3287	I	6.1	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	B	40
	Toxic liquids, corrosive, organic, n.o.s.	6.1	UN2927	I	6.1, 8	T42	None	201	243	0.5 L	2.5 L	B	40
	.....			II	6.1, 8	T42	None	202	243	1 L	30 L	B	40
	Toxic liquids, corrosive, organic, n.o.s., <i>inhalation hazard, Packing Group I, Zone A</i>	6.1	UN2927	I	6.1, 8	1, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	40, 20, 40, 95
	Toxic liquids, corrosive, organic, n.o.s., <i>inhalation hazard, Packing Group I, Zone B</i>	6.1	UN2927	I	6.1, 8	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	20, 40, 95
	Toxic liquids, flammable, organic, n.o.s.	6.1	UN2929	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....			II	6.1, 3	T15	None	202	243	5 L	60 L	B	40
	Toxic liquids, flammable, organic, n.o.s., <i>inhalation hazard, Packing Group I, Zone A</i>	6.1	UN2929	I	6.1, 3	1, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	20,40,95
	Toxic liquids, flammable, organic, n.o.s., <i>inhalation hazard, Packing Group I, Zone B</i>	6.1	UN2929	I	6.1, 3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	20, 40, 95
	Toxic liquids, organic, n.o.s.	6.1	UN2810	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....			II	6.1	B110, T14	None	202	243	5 L	60 L	B	40
	.....			III	6.1	T7	153	203	241	60 L	220 L	A	40
	Toxic, liquids, organic, n.o.s. <i>Inhalation hazard, Packing Group I, Zone A</i>	6.1	UN2810	I	6.1	1, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	D	20,40,95
	Toxic, liquids, organic, n.o.s. <i>Inhalation hazard, Packing Group I, Zone B</i>	6.1	UN2810	I	6.1	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	20,40,95
	Toxic liquids, oxidizing, n.o.s.	6.1	UN3122	I	6.1, 5.1	A4	None	201	243	Forbidden	2.5 L	C	
	.....			II	6.1, 5.1	.....	None	202	243	1 L	5 L	C	
	Toxic liquids, oxidizing, n.o.s. <i>Inhalation hazard, Packing Group I, Zone A</i>	6.1	UN3122	I	6.1, 5.1	1, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	C	
	Toxic liquids, oxidizing, n.o.s. <i>Inhalation Hazard, Packing Group I, Zone B</i>	6.1	UN3122	I	6.1, 5.1	2, B9, B14, B32, T38, T43, T45	None	227	244	Forbidden	Forbidden	C	
	Toxic liquids, water-reactive, n.o.s.	6.1	UN3123	I	6.1, 4.3	A4	None	201	243	Forbidden	1 L	E	40
			II	6.1, 4.3	None	202	243	1 L	5 L	E	40

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D	Toxic liquids, water-reactive, n.o.s. <i>Inhalation hazard, pack- ing group I, Zone A</i>	6.1	UN3123	I	6.1, 4.3	1, B9, B14, B30, B72, T38, T43, T44	None	226	244	Forbidden	Forbidden	E	40
	Toxic liquids, water-reactive, n.o.s. <i>Inhalation hazard, packing group I, Zone B</i>	6.1	UN3123	I	6.1, 4.3	2, B9, B14, B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	E	40
	Toxic solid, corrosive, inor- ganic, n.o.s.	6.1	UN3290	I	6.1, 8	.....	None	211	242	1 kg	25 kg	A	
	.....			II	6.1, 8	.....	None	212	242	15 kg	50 kg	A	
	Toxic solid, inorganic, n.o.s.	6.1	UN3288	I	6.1	.....	None	211	242	5 kg	50 kg	A	
	.....			II	6.1	.....	None	212	242	25 kg	100 kg	A	
	.....			III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Toxic solids, corrosive, organic, n.o.s.	6.1	UN2928	I	6.1, 8	.....	None	211	242	1 kg	25 kg	B	40
	.....			II	6.1, 8	.....	None	212	242	15 kg	50 kg	B	40
	Toxic solids, flammable, organic, n.o.s.	6.1	UN2930	I	6.1, 4.1	B106	None	211	242	1 kg	15 kg	B	
	.....			II	6.1, 4.1	B106	None	212	242	15 kg	50 kg	B	
	Toxic solids, organic, n.o.s.	6.1	UN2811	I	6.1	.....	None	211	242	5 kg	50 kg	B	
	.....			II	6.1	.....	None	212	242	25 kg	100 kg	B	
	.....			III	6.1	.....	153	213	240	100 kg	200 kg	A	
	Toxic solids, oxidizing, n.o.s.	6.1	UN3086	I	6.1, 5.1	.....	None	211	242	1 kg	15 kg	C	
	.....			II	6.1, 5.1	.....	None	212	242	15 kg	50 kg	C	
	Toxic solids, self-heating, n.o.s.	6.1	UN3124	I	6.1, 4.2	A5, B100	None	211	242	5 kg	15 kg	D	40
	.....			II	6.1, 4.2	.....	None	212	242	15 kg	50 kg	D	40
	Toxic solids, water-reactive, n.o.s.	6.1	UN3125	I	6.1, 4.3	A5, B100	None	211	242	5 kg	15 kg	D	40
	.....			II	6.1, 4.3	B101	None	212	242	15 kg	50 kg	D	40
	Toy Caps	1.4S	NA0337	II	1.4S	.....	None	62	None	25 kg	100 kg	A	9E
	Tracers for ammunition	1.3G	UN0212	II	1.3G	.....	None	62	None	Forbidden	Forbidden	B	
	Tracers for ammunition	1.4G	UN0306	II	1.4G	.....	None	62	None	Forbidden	75 kg	A	24E
	<i>Tractors, see Vehicles, self- propelled</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Tri-(b-nitroxyethyl) ammonium nitrate</i>	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
D	Triallyl borate	6.1	UN2609	III	6.1	.....	153	203	241	60 L	220 L	A	13
	Triallylamine	3	UN2610	III	3, 8	B1, T1	None	203	242	5 L	60 L	A	40
	Triazine pesticides, liquid, flammable, toxic, n.o.s., <i>flash point less than 23°C</i>	3	UN2764	I	3, 6.1	.....	None	201	243	Forbidden	30 L	B	40
	.....			II	3, 6.1	.....	None	202	243	1 L	60 L	B	40
	Triazine pesticides, liquid, toxic, flammable, n.o.s. <i>flash point not less than 23°C</i>	6.1	UN2997	I	6.1, 3	T42	None	201	243	1 L	30 L	B	40
	.....			II	6.1, 3	T14	None	202	243	5 L	60 L	B	40
	.....			III	6.1, 3	T14	153	203	242	60 L	220 L	A	40
	Triazine pesticides, liquid, toxic, n.o.s.	6.1	UN2998	I	6.1	T42	None	201	243	1 L	30 L	B	40
	.....			II	6.1	T14	None	202	243	5 L	60 L	B	40
	.....			III	6.1	T14	153	203	241	60 L	220 L	A	40
	Triazine pesticides, solid, toxic, n.o.s.	6.1	UN2763	I	6.1	.....	None	211	242	5 kg	50 kg	A	40
	.....			II	6.1	.....	None	212	242	25 kg	100 kg	A	40
	.....			III	6.1	.....	153	213	240	100 kg	200 kg	A	40
	Tributylamine	6.1	UN2542	II	6.1	B110, T14	None	202	243	5 L	60 L	A	
	Tributylphosphane	4.2	UN3254	I	4.2	.....	None	211	242	Forbidden	Forbidden	D	
D	mono-(Trichloro) tetra-(monopo- tassium dichloro)-penta-s- triazinetriene, dry (<i>containing over 39% available chlorine</i>)	5.1	NA2468	II	5.1	.....	152	212	240	5 kg	25 kg	A	13
	<i>Trichloro-s-triazinetriene dry, containing over 39% avail- able chlorine, see Trichloroiso-</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>cyanuric acid, dry</i>	8	UN1839	II	8	A7, N34	154	212	240	15 kg	50 kg	A	
	Trichloroacetic acid	8	UN2564	II	8	A3, A6, A7, B2, N34, T8	154	202	242	1 L	30 L	B	
	Trichloroacetic acid, solution	.....	.....	III	8	A3, A6, A7, N34, T7	154	203	241	5 L	60 L	B	8
			II	8, 6.1	2, A3, A7, B9, B14, B32, B74, N34, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	40

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D	Trichlorobenzenes, liquid	6.1	UN2321	III	6.1	T7	153	203	241	60 L	220 L	A	
	Trichlorobutene	6.1	UN2322	II	6.1	T8	None	202	243	5 L	60 L	A	25, 40
	1,1,1-Trichloroethane	6.1	UN2831	III	6.1	N36, T7	153	203	241	60 L	220 L	A	40
	Trichloroethylene	6.1	UN1710	III	6.1	N36, T1	153	203	241	60 L	220 L	A	40
	Trichloroisocyanuric acid, dry	5.1	UN2468	II	5.1	.....	152	212	240	5 kg	25 kg	A	13
	Trichloromethyl perchlorate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trichlorosilane	4.3	UN1295	I	4.3, 3, 8	A7, N34, T24, T26	None	201	244	Forbidden	Forbidden	D	21, 28, 40, 49, 100
	Tricresyl phosphate with more than 3% ortho isomer	6.1	UN2574	II	6.1	A3, N33, N34, T8	None	202	243	5 L	60 L	A	
	Triethyl phosphite	3	UN2323	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Triethylamine	3	UN1296	II	3	B101, T8	None	202	243	1 L	5 L	B	40
	Triethylenetetramine	8	UN2259	II	8	B2, T8	154	202	242	1 L	30 L	B	40
	Trifluoroacetic acid	8	UN2699	I	8	A3, A6, A7, B4, N3, N34, T18, T27	None	201	242	0.5 L	2.5 L	B	12, 40
	Trifluoroacetyl chloride	2.3	UN3057		2.3, 8	2, B7, B9, B14	None	304	314,315	Forbidden	Forbidden	D	40
	Trifluorochloroethylene, inhibited	2.3	UN1082		2.3, 2.1	3,B14	None	304	314, 315	Forbidden	Forbidden	D	40
	1,1,1-Trifluoroethane, compressed or Refrigerant gas R 143a	2.1	UN2035		2.1	.....	306	304	314, 315	Forbidden	150 kg	B	40
	Trifluoromethane or Refrigerant gas R 23	2.2	UN1984		2.2	.....	306	304	314, 315	75 kg	150 kg	A	
	Trifluoromethane, refrigerated, liquid	2.2	UN3136		2.2	.....	306	None	314, 315	50 kg	500 kg	D	
	3-Trifluoromethylaniline	6.1	UN2948	II	6.1	T14	None	202	243	5 L	60 L	A	40
	2-Trifluoromethylaniline	6.1	UN2942	III	6.1	.....	153	203	241	60 L	220 L	A	
	Triformoxime trinitrate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Triisobutylene	3	UN2324	III	3	B1, T7, T30	150	203	242	60 L	220 L	A	
	Triisopropyl borate	3	UN2616	II	3	T8, T31	150	202	242	5 L	60 L	A	
	.....	.....	.....	III	3	B1, T8, T31	150	202	242	60 L	220 L	A	
	Trimethoxysilane	6.1	NA9269	I	6.1, 3	2, B9, B14,B32, B74, T38, T43, T45	None	227	244	Forbidden	Forbidden	E	40
	Trimethyl borate	3	UN2416	II	3	T14	150	202	242	5 L	60 L	B	
	Trimethyl phosphite	3	UN2329	III	3	B1, T1	150	203	242	60 L	220 L	A	
	1,3,5-Trimethyl-2,4,6-trinitrobenzene	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trimethylacetyl chloride	6.1	UN2438	I	6.1, 8, 3	2, A3, A6, A7, B3, B9, B14, B32, B74, N34, T38, T43, T45	None	227	244	Forbidden	Forbidden	D	25, 40
	Trimethylamine, anhydrous	2.1	UN1083		2.1	.....	306	304	314, 315	Forbidden	150 kg	B	40
	Trimethylamine, aqueous solutions not more than 50% trimethylamine by mass	3	UN1297	I	3, 8	T42	None	201	243	0.5 L	2.5 L	D	40, 41
	.....	.....	.....	II	3, 8	B1, T14	None	202	243	1 L	5 L	B	40, 41
	.....	.....	.....	III	3, 8	B1	150	203	242	5 L	60 L	A	40, 41
	1,3,5-Trimethylbenzene	3	UN2325	III	3	B1, T1	None	203	242	60 L	220 L	A	
	Trimethylchlorosilane	3	UN1298	II	3, 8	A3, A7, B77, N34, T14, T26	None	202	243	1 L	5 L	E	40
	Trimethylcyclohexylamine	8	UN2326	III	8	T2	154	203	241	5 L	60 L	A	
	Trimethylene glycol diperchlorate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trimethylhexamethylene diisocyanate	6.1	UN2328	III	6.1	T8	153	203	241	60 L	220 L	B	
	Trimethylhexamethylenedi- amines	8	UN2327	III	8	T7	154	203	241	5 L	60 L	A	
	Trimethylol nitromethane trinitrate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitro-meta-cresol	1.1D	UN0216	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	2,4,6-Trinitro-1,3-diazobenzene	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2,4,6-Trinitro-1,3,5-triazido benzene (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitroacetic acid	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitroacetoneitrile	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitroamine cobalt	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitroaniline or Picramide	1.1D	UN0153	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitroanisole	1.1D	UN0213	II	1.1D	None	62	None	Forbidden	Forbidden	B	1E, 5E

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I	Trinitrobenzene, <i>dry or wetted with less than 30% water, by mass</i>	1.1D	UN0214	II	1.1D	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitrobenzene, <i>wetted with not less than 30% water, by mass</i>	4.1	UN1354	I	4.1	23, A2, A8, A19, N41	None	211	None	0.5 kg	0.5 kg	E	28
	Trinitrobenzenesulfonic acid	1.1D	UN0386	II	1.1D	.....	None	62	None	Forbidden	Forbidden	E	1E, 5E
	Trinitrobenzoic acid, <i>dry or wetted with less than 30% water, by mass</i>	1.1D	UN0215	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitrobenzoic acid, <i>wetted with not less than 30% water, by mass</i>	4.1	UN1355	I	4.1	23, A2, A8, A19, N41	None	211	None	0.5 kg	0.5 kg	E	28
	Trinitrochlorobenzene or Picryl chloride	1.1D	UN0155	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E,5E
	Trinitroethanol	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitroethylnitrate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitrofluorenone	1.1D	UN0387	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitromethane	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1,3,5-Trinitronaphthalene	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitronaphthalene	1.1D	UN0217	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitrophenetole	1.1D	UN0218	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitrophenol or Picric acid, <i>dry or wetted with less than 30% water, by mass</i>	1.1D	UN0154	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitrophenol, <i>wetted with not less than 30% water, by mass</i>	4.1	UN1344	I	4.1	23, A8, A19, N41	None	211	None	1 kg	15 kg	E	28, 36
	2,4,6-Trinitrophenylguanidine (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2,4,6-Trinitrophenyl nitramine	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2,4,6-Trinitrophenyl trimethyl methyl nitramine trinitrate (dry)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitrophenylmethylnitramine or Tetryl	1.1D	UN0208	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitroresorcinol or Styphnic acid, <i>dry or wetted with less than 20% water, or mixture of alcohol and water, by mass</i>	1.1D	UN0219	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitroresorcinol, <i>wetted or Styphnic acid, wetted with not less than 20% water, or mixture of alcohol and water by mass</i>	1.1D	UN0394	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	2,4,6-Trinitroso-3-methyl nitraminoanisoie	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitrotetramine cobalt nitrate	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Trinitrotoluene and Trinitrobenzene mixtures or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures or Trinitrotoluene and hexanitrotilene mixtures	1.1D	UN0388	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitrotoluene mixtures containing Trinitrobenzene and Hexanitrostilbene or TNT mixtures containing trinitrobenzene and hexanitrostilbene	1.1D	UN0389	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitrotoluene or TNT, <i>dry or wetted with less than 30% water, by mass</i>	1.1D	UN0209	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Trinitrotoluene, <i>wetted with not less than 30% water, by mass</i>	4.1	UN1356	I	4.1	23, A2, A8, A19, N41	None	211	None	0.5 kg	0.5 kg	E	28
	Tripropylamine	3	UN2260	III	3, 8	B1, T8	150	203	242	5 L	60 L	A	40
	Tripropylene	3	UN2057	II	3	T1	150	202	242	5 L	60 L	B	
	.....	.....	.....	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Tris-(1-aziridinyl)phosphine oxide, solution	6.1	UN2501	II	6.1	T8	None	202	243	5 L	60 L	A	
	.....	.....	.....	III	6.1	T7	153	203	241	60 L	220 L	A	
	Tris, bis-bifluoroamino diethoxy propane (TVOPA)	Forbidden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Tritonal	1.1D	UN0390	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	1E,5E
	Tungsten hexafluoride	2.3	UN2196	.....	2.3, 8	2	None	338	None	Forbidden	Forbidden	D	40
	Turpentine	3	UN1299	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Turpentine substitute	3	UN1300	I	3	T1	None	201	243	1 L	30 L	B	
	.....	.....	.....	II	3	T1	150	202	242	5 L	60 L	B	
	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Undecane	3	UN2330	III	3	B1, T1	150	203	242	60 L	220 L	A	

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D	Uranium hexafluoride, fissile (containing more than 1% U-235)	7	UN2977		7, 8	.....	453	417,420	417,420	.....	.....	A	
	Uranium hexafluoride, fissile excepted or non-fissile	7	UN2978		7, 8	.....	423	420, 425	420, 425	.....	.....	.....
	Uranium metal, pyrophoric	7	UN2979		7, 4.2	.....	None	418	None	.....	.....	D	
	Uranyl nitrate hexahydrate solution	7	UN2980		7, 8	.....	421, 425	415, 416, 417	415, 416, 417	.....	.....	D	
	Uranyl nitrate, solid	7	UN2981		7, 5.1	.....	None	419	None	Forbidden	15 kg	A	
	Urea hydrogen peroxide	5.1	UN1511	III	5.1, 8	A1, A7, A29	152	213	240	25 kg	100 kg	A	13
	Urea nitrate dry or wetted with less than 20% water, by mass	1.1D	UN0220	II	1.1D	119	None	62	None	Forbidden	Forbidden	B	1E, 5E
	Urea nitrate, wetted with not less than 20% water, by mass	4.1	UN1357	I	4.1	39, A8, A19, N41	None	211	None	1 kg	15 kg	A	28
	Urea peroxide, see Urea hydro- gen peroxide	.....	.....		.....	.....				.....	.....	.....
	Valeraldehyde	3	UN2058	II	3	T1	150	202	242	5 L	60 L	B	
	Valeric acid, see Corrosive liquids, n.o.s.	.....	.....		.....	.....				.....	.....	.....
	Valeryl chloride	8	UN2502	II	8, 3	A3, A6, A7, B2, N34, T8	154	202	243	1 L	30 L	C	40
	Vanadium compound, n.o.s.	6.1	UN3285	I	6.1	.....	None	211	242	5 kg	50 kg	B	
	.....			II	6.1	T14	None	212	242	25 kg	100 kg	B	
	.....			III	6.1	T7	153	213	240	100 kg	200 kg	A	
	Vanadium oxytrichloride	8	UN2443	II	8	A3, A6, A7, B2, B16, N34, T8, T26	154	202	242	Forbidden	30 L	C	40
	Vanadium pentoxide, nonfused form	6.1	UN2862	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Vanadium tetrachloride	8	UN2444	I	8	A3, A6, A7, B4, N34, T8, T26	None	201	243	Forbidden	2.5 L	C	40
	Vanadium trichloride	8	UN2475	III	8	.....	154	213	240	25 kg	100 kg	A	40
	Vanadyl sulfate	6.1	UN2931	II	6.1	.....	None	212	242	25 kg	100 kg	A	
	Vehicles, self-propelled includ- ing internal combustion engines or other apparatus containing an internal combus- tion engine or electric storage battery, see Engines etc. or Battery powered etc. or Wheel chair, electric)	.....	.....		.....	.....				.....	.....	.....
	Very signal cartridge, see Cartridges, signal	.....	.....		.....	.....				.....	.....	.....
	Vinyl acetate, inhibited	3	UN1301	II	3	T8	150	202	242	5 L	60 L	B	
	Vinyl bromide, inhibited	2.1	UN1085		2.1	.....	306	304	314,315	Forbidden	150 kg	B	40
	Vinyl butyrate, inhibited	3	UN2838	II	3	T7	150	202	242	5 L	60 L	B	
	Vinyl chloride, inhibited or Vinyl chloride, stabilized	2.1	UN1086		2.1	21, B44	306	304	314, 315	Forbidden	150 kg	B	40
	Vinyl chloroacetate	6.1	UN2589	II	6.1, 3	T14	None	202	243	5 L	60 L	A	
	Vinyl ethyl ether, inhibited	3	UN1302	II	3	A3, B100, T14	None	201	243	1 L	30 L	D	
	Vinyl fluoride, inhibited	2.1	UN1860		2.1	.....	306	304	314, 315	Forbidden	150 kg	E	40
	Vinyl isobutyl ether, inhibited	3	UN1304	II	3	T8	150	202	242	5 L	60 L	B	
	Vinyl methyl ether, inhibited	2.1	UN1087		2.1	B44	306	304	314, 315	Forbidden	150 kg	B	40
	Vinyl nitrate polymer	Forbidden	.....		.....	.....				.....	.....	.....
	Vinytoluenes, inhibited	3	UN2618	III	3	B1, T1	150	203	242	60 L	220 L	A	
	Vinylidene chloride, inhibited	3	UN1303	I	3	T23, T29	150	201	243	1 L	30 L	E	40
	Vinylpyridines, inhibited	6.1	UN3073	II	6.1, 3, 8	B100, T8	None	202	243	1 L	30 L	B	40
	Vinyltrichlorosilane, inhibited	3	UN1305	I	3, 8	A3, A7, B6, N34, T14, T26	None	201	243	Forbidden	2.5 L	B	40
	Warheads, rocket with burster or expelling charge	1.4D	UN0370	II	1.4D	.....	None	62	None	Forbidden	75 kg	A	3E, 7E, 24E
	Warheads, rocket with burster or expelling charge	1.4F	UN0371	II	1.4F	.....	None	62	None	Forbidden	Forbidden	E	
	Warheads, rocket with bursting charge	1.1D	UN0286	II	1.1D	.....	None	62	None	Forbidden	Forbidden	B	3E, 7E
	Warheads, rocket with bursting charge	1.2D	UN0287	II	1.2D	.....	None	62	None	Forbidden	Forbidden	B	3E, 7E
	Warheads, rocket with bursting charge	1.1F	UN0369	II	1.1F	.....	None	62	None	Forbidden	Forbidden	E	
	Warheads, torpedo with bursting charge	1.1D	UN0221	II	1.1D	None	62	None	Forbidden	Forbidden	B	3E, 7E

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
AD	Water-reactive liquid, corrosive, n.o.s.	4.3	UN3129	I	4.3, 8	None	201	243	Forbidden	1 L	D	85
	.....			II	4.3, 8	B106	None	202	243	1 L	5 L	E
	.....			III	4.3, 8	B106	None	203	242	5 L	60 L	E
	Water-reactive liquid, n.o.s.	4.3	UN3148	I	4.3	None	201	244	Forbidden	1 L	E	40
			II	4.3	B106	None	202	243	1 L	5 L	E	40
			III	4.3	B106	None	203	242	5 L	60 L	E	40
	Water-reactive liquid, toxic, n.o.s.	4.3	UN3130	I	4.3, 6.1	A4	None	201	243	Forbidden	1 L	D	85
	.....			II	4.3, 6.1	B106	None	202	243	1 L	5 L	E
	.....			III	4.3, 6.1	B106	None	203	242	5 L	60 L	E
	Water-reactive solid, corrosive, n.o.s.	4.3	UN3131	I	4.3, 8	B101, B106, N40	None	211	242	Forbidden	15 kg	D	85
	.....			II	4.3, 8	B101, B106	151	212	242	15 kg	50 kg	E
	.....			III	4.3, 8	B105, B106	151	213	241	25 kg	100 kg	E
	Water-reactive solid, flamma- ble, n.o.s.	4.3	UN3132	I	4.3, 4.1	B100, B106, N40	None	211	242	Forbidden	15 kg	E	85
	.....			II	4.3, 4.1	B101, B106	151	212	242	15 kg	50 kg	E
	.....			III	4.3, 4.1	B105, B106	151	213	241	25 kg	100 kg	E
	Water-reactive solid, n.o.s.	4.3	UN2813	I	4.3	B101, B106, N40	None	211	242	Forbidden	15 kg	E	40
			II	4.3	B101, B106	151	212	242	15 kg	50 kg	E	40
			III	4.3	B105, B106	151	213	241	25 kg	100 kg	E	40
	Water-reactive solid, oxidiz- ing, n.o.s.	4.3	UN3133		4.3, 5.1	None	214	214	Forbidden	Forbidden		
	Water-reactive solid, self-heat- ing, n.o.s.	4.3	UN3135	I	4.3, 4.2	B100, N40	None	211	242	Forbidden	15 kg	E	85
	.....			II	4.3, 4.2	B101, B106	None	212	242	15 kg	50 kg	E
	.....			III	4.3, 4.2	B101, B106	None	213	241	25 kg	100 kg	E
I	Water-reactive solid, toxic, n.o.s.	4.3	UN3134	I	4.3, 6.1	A8, B101, B106, N40	None	211	242	Forbidden	15 kg	D	85
	.....			II	4.3, 6.1	B105, B106	151	212	242	15 kg	50 kg	E
	.....			III	4.3, 6.1	B105, B106	151	213	241	25 kg	100 kg	E
	Wheel chair, electric (<i>spillable or non-spillable type batteries</i>)	9	III	9	222	222	None	No limit	No limit	A	85
												
												
	White acid, <i>see</i> Hydrofluoric acid mixtures							34, 40
	White asbestos, (<i>chrysotile, actinolite, anthophyllite, tremolite</i>)	9	UN2590	III	9	.....	155	216	240	200 kg	200 kg	A
												
	Wood preservatives, liquid	3	UN1306	II	3	T7, T30	150	202	242	5 L	60 L	B	40
			III	3	B1, T7, T30	150	203	242	60 L	220 L	A	40
	Xenon, compressed	2.2	UN2036		2.2	306	302	None	75 kg	150 kg	A	40
	Xenon, refrigerated liquid (<i>cryo- genic liquids</i>)	2.2	UN2591		2.2	.....	320	None	None	50 kg	500 kg	B
												
	Xylenes	3	UN1307	II	3	T1	150	202	242	5 L	60 L	B	40
	.....			III	3	B1, T1	150	203	242	60 L	220 L	A
	Xylenols	6.1	UN2261	II	6.1	T8	None	212	243	25 kg	100 kg	A	
	Xylidines, solid	6.1	UN1711	II	6.1	T14	None	212	242	25 kg	100 kg	A	40
	Xylidines, solution	6.1	UN1711	II	6.1	T14	None	202	243	5 L	60 L	A	
	Xylyl bromide	6.1	UN1701	II	6.1	A3, A6, A7, N33	None	340	None	Forbidden	60 L	D	
	Xylyl bromide	6.1	UN1701	II	6.1	A3, A6, A7, N33	None	340	None	Forbidden	60 L	D	40
	<i>p</i> -Xylyl diazide	Forbidden							56, 58, 106
	Zinc ammonium nitrite	5.1	UN1512	II	5.1	.....	None	212	242	5 kg	25 kg	E
	Zinc arsenate <i>or</i> Zinc arsenite <i>or</i> Zinc arsenate and Zinc arse- nite mixtures	6.1	UN1712	II	6.1	.....	None	212	242	25 kg	100 kg	A
	Zinc ashes	4.3	UN1435	III	4.3	A1, A19, B108	151	213	241	25 kg	100 kg	A	56, 58, 106
												
												
	Zinc bisulfite solution, <i>see</i> Bisulfites, aqueous solu- tions, n.o.s.							26
	Zinc bromate	5.1	UN2469	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Zinc chlorate	5.1	UN1513	II	5.1	A9, N34	152	212	242	5 kg	25 kg	A	
	Zinc chloride, anhydrous	8	UN2331	III	8	None	213	240	25 kg	100 kg	A	26
	Zinc chloride, solution	8	UN1840	III	8	T7	154	203	241	5 L	60 L	A	
	Zinc cyanide	6.1	UN1713	I	6.1	.....	None	211	242	5 kg	50 kg	A
	Zinc dithionite <i>or</i> Zinc hydro- sulfite	9	UN1931	III	None	155	204	240	100 kg	200 kg	A	49
	Zinc ethyl, <i>see</i> Diethylzinc							26
	Zinc fluorosilicate	6.1	UN2855	III	6.1	153	213	240	100 kg	200 kg	A	
	Zinc hydrosulfite, <i>see</i> Zinc dithionite							

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							Excep- tions (8A)	Non- Bulk (8B)	Bulk (8C)	Passenger aircraft/ rail (9A)	Cargo Aircraft Only (9B)	Loca- tion (10A)	Other (10B)
D	<i>Zinc muriate solution, see Zinc chloride, solution</i>	56, 58, 69, 106, 107, 13, 75, 106, 40, 85
	Zinc nitrate	5.1	UN1514	II	5.1	.....	152	212	240	5 kg	25 kg	A
	Zinc permanganate	5.1	UN1515	II	5.1	.....	152	212	242	5 kg	25 kg	D
	Zinc peroxide	5.1	UN1516	II	5.1	.....	152	212	242	5 kg	25 kg	A
	Zinc phosphide	4.3	UN1714	I	4.3, 6.1	A19, N40	None	211	None	Forbidden	15 kg	E	
	Zinc powder <i>or</i> Zinc dust	4.3	UN1436	I	4.3, 4.2	A19, B109, N40	None	211	242	Forbidden	15kg	A	
	.....	.....	.....	II	4.3, 4.2	A19, B109	None	212	242	15 kg	50 kg	A
	.....	.....	.....	III	4.3, 4.2	B108	None	213	242	25 kg	100 kg	A
	Zinc resinate	4.1	UN2714	III	4.1	B108	151	213	240	25 kg	100 kg	A	
	<i>Zinc selenate, see Selenates or Selenites</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Zinc selenite, see Selenates or Selenites</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	<i>Zinc silicofluoride, see Zinc fluorosilicate</i>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Zirconium, dry, <i>coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)</i>	4.1	UN2858	III	4.1	A1	151	213	240	25 kg	100 kg	A	1E, 5E 28, 36
	Zirconium, dry, <i>finished sheets, strip or coiled wire</i>	4.2	UN2009	III	4.2	A1, A19	None	213	240	25 kg	100 kg	D	
	Zirconium hydride	4.1	UN1437	II	4.1	A19, A20, N34	None	212	240	15 kg	50 kg	E	
	Zirconium nitrate	5.1	UN2728	III	5.1	A1, A29	152	213	240	25 kg	100 kg	A	
	Zirconium picramate, <i>dry or wetted with less than 20% water, by mass</i>	1.3C	UN0236	II	1.3C	.....	None	62	None	Forbidden	Forbidden	B
	Zirconium picramate, <i>wetted with not less than 20% water, by mass</i>	4.1	UN1517	I	4.1	23, N41	None	211	None	1 kg	15 kg	D	
	Zirconium powder, dry	4.2	UN2008	I	4.2	.....	None	211	242	Forbidden	Forbidden	D
	.....	.....	.....	II	4.2	A19, A20, N5, N34	None	212	241	15 kg	50 kg	D
	.....	.....	.....	III	4.2	.....	None	213	241	25kg	100 kg	D
	Zirconium powder, <i>wetted with not less than 25% 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</i>	4.1	UN1358	II	4.1	A19, A20, N34	None	212	241	15 kg	50 kg	E	
	Zirconium scrap	4.2	UN1932	III	4.2	N34	None	213	240	Forbidden	Forbidden	D	A B B A
	Zirconium sulfate	8	NA9163	III	8	N34	None	213	240	50 kg	No limit	A	
	Zirconium suspended in a liquid	3	UN1308	I	3	.....	None	201	243	Forbidden	Forbidden	B
	.....	.....	.....	II	3	.....	None	202	242	5 L	60 L	B
	.....	.....	.....	III	3	B1	150	203	242	60 L	220 L	B
	Zirconium tetrachloride	8	UN2503	III	8	.....	154	213	240	25 kg	100 kg	A

Appendix A to §172.101 List of Hazardous Substances and Reportable Quantities

1. This Appendix lists materials and their corresponding reportable quantities (RQ's) that are listed or designated as "hazardous substances" under section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. 9601(14) (CERCLA; 42 U.S.C. 9601 *et seq.*) This listing fulfills the requirement of CERCLA, 43 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)(8).

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

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

6. TABLE 2 lists radionuclides that are hazardous substances and their corresponding RQ's. The RQ's in Table 2 for radionuclides are expressed in units of curies and terebecquerels, 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 terebecquerels, 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 terebecquerels) of each radionuclide in a mixture or solution is known, the ratio between the quantity per package (in curies or terebecquerel) 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 terebecquerels) of one or more of the radionuclides is unknown, and RQ of a hazardous substance is present in a package when the total quantity (in curies or terebecquerels) of the mixture or solution is equal to or greater than the lowest RQ of a 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 terebecquerels) in 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.

List of Hazardous Substances and Reportable Quantities

Table 1—Hazardous Substances Other than Radionuclides

Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)
Acenaphthene	100 (45.4)
Acenaphthylene	5000 (2270)
Acetaldehyde	1000 (454)
Acetaldehyde, chloro-	1000 (454)
Acetaldehyde, trichloro-	5000 (2270)
Acetamide	100 (45.4)
Acetamide, N-(aminothioxomethyl)-	1000 (454)
Acetamide, N-(4-ethoxyphenyl)-	100 (45.4)
Acetamide, N-fluorenyl	1 (0.454)
Acetamide, 2-fluoro-	100 (45.4)
Acetic acid	5000 (2270)
Acetic acid (2,4-dichlorophenoxy)-	100 (45.4)
Acetic acid, ethyl ester	5000 (2270)
Acetic acid, fluoro-, sodium salt	10 (4.54)
Acetic acid, lead (2+) salt	10 (4.54)
Acetic acid, thallium(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)
Aldrin	1 (0.454)
Allyl alcohol	100 (45.4)
Allyl chloride	1000 (454)
Aluminum phosphide	100 (45.4)
Aluminum sulfate	5000 (2270)
5-(Aminomethyl)-3-isoxazolol	1000 (454)
4-Aminobiphenyl	1 (0.454)
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)
Antimony	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)
Arsenic	1 (0.454)

Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)	Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)
Arsenic acid	1 (0.454)	Benzo[b]fluoranthene	1 (0.454)
Arsenic acid H3AsO4	1 (0.454)	Benzo[k]fluoranthene	5000 (2270)
Arsenic disulfide	1 (0.454)	Benzo[j,k]fluorene	100 (45.4)
Arsenic oxide As2O3	1 (0.454)	Benzoic acid	5000 (2270)
Arsenic oxide As2O5	1 (0.454)	Benzonitrile	5000 (2270)
Arsenic pentoxide	1 (0.454)	Benzo[g,h,i]perylene	5000 (2270)
Arsenic trichloride	1 (0.454)	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3%	100 (45.4)
Arsenic trioxide	1 (0.454)	Benzo[a]pyrene	1 (0.454)
Arsenic trisulfide	1 (0.454)	3,4-Benzopyrene	1 (0.454)
Arsine, diethyl-	1 (0.454)	p-Benzoquinone	10 (4.54)
Arsinic acid, dimethyl-	1 (0.454)	Benzo [rst]pentaphene	10 (4.54)
Arsonous dichloride, phenyl-	1 (0.454)	Benzo[trichloride	10 (4.54)
Asbestosgç	1 (0.454)	Benzoyl chloride	1000 (454)
Auramine	100 (45.4)	1,2-Benzphenanthrene	100 (45.4)
Azaserine	1 (0.454)	Benzyl chloride	100 (45.4)
Azinphos methyl@	1 (0.454)	Berylliumç	10 (4.54)
Aziridine	1 (0.454)	Beryllium chloride	1 (0.454)
Aziridine, 2-methyl-	1 (0.454)	Beryllium dustç	10 (4.54)
Azirino[2',3':3,4]pyrrolo(1,2-2)indole-4,7-dione,6-amino-8-[[[(aminocarbonyl)oxy]methyl]-1.1a,2,8,8a, 8b-hexahydro-8a-meth-oxy-5-methyl-,[1aS-[alpha,8beta,8alpha,8balpha)]-	10 (4.54)	Beryllium fluoride	1 (0.454)
Barium cyanide	10 (4.54)	Beryllium nitrate	1 (0.454)
Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	10 (4.54)	alpha-BHC	10 (4.54)
Benz[c]acridine	100 (45.4)	beta-BHC	1 (0.454)
3,4-Benzacridine	100 (45.4)	delta-BHC	1 (0.454)
Benzal chloride	5000 (2270)	gamma-BHC	1 (0.454)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)	5000 (2270)	2,2'-Bioxirane	10 (4.54)
Benz[a]anthracene	10 (4.54)	Biphenyl	100 (45.4)
1,2-Benzanthracene	10 (4.54)	(1,1'-Biphenyl)-4,4'-diamine	10 (4.54)
Benz[a]anthracene, 7,12-dimethyl-	1 (0.454)	(1,1'-Biphenyl)-4,4'-diamine,3,3'-dichloro-	1 (0.454)
Benzenamine	5000 (2270)	(1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethoxy-	10 (4.54)
Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl-	100 (45.4)	(1,1'-Biphenyl)-4,4'-diamine,3,3'-dimethyl-	10 (4.54)
Benzenamine, 4-chloro-	1000 (454)	Bis(2-chloroethoxy) methane	1000 (454)
Benzenamine, 4-chloro-2-methyl-, hydrochloride	100 (45.4)	Bis(2-chloroethyl) ether	10 (4.54)
Benzenamine, N,N-dimethyl-4-(phenylazo)-	10 (4.54)	Bis(2-ethylhexyl)phthalate	100 (45.4)
Benzenamine, 2-methyl-	100 (45.4)	Bromoacetone	1000 (454)
Benzenamine, 4-methyl-	100 (45.4)	Bromoform	100 (45.4)
Benzenamine, 4,4'-methylenebis(2-chloro-	10 (4.54)	4-Bromophenyl phenyl ether	100 (45.4)
Benzenamine, 2-methyl-, hydrochloride	100 (45.4)	Brucine	100 (45.4)
Benzenamine, 2-methyl-5-nitro-	100 (45.4)	1,3-Butadiene	10 (4.54)
Benzenamine, 4-nitro-	5000 (2270)	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	1 (0.454)
Benzene	10 (4.54)	1-Butanamine, N-butyl-N-nitroso-	10 (4.54)
Benzene, 1-bromo-4-phenoxy-	100 (45.4)	1-Butanol	5000 (2270)
Benzene, chloro-	100 (45.4)	2-Butanone	5000 (2270)
Benzene, chloromethyl-	100 (45.4)	2-Butanone, 3,3-dimethyl-1-(methylthio)-,O-[methylamino]carbonyl] oxime	100 (45.4)
Benzene, 1,2-dichloro-	100 (45.4)	2-Butanone peroxide	10 (4.54)
Benzene, 1,3-dichloro-	100 (45.4)	2-Butenal	100 (45.4)
Benzene, 1,4-dichloro-	100 (45.4)	2-Butene, 1,4-dichloro-	1 (0.454)
Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-choro	1 (0.454)	2-Butenoic acid, 2-nethyl-7,[[2,3-dihydroxy-2-(1-methoxyehtyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(z),7(2S,3R),7aalpha)]-	10 (4.54)
Benzene, dichloromethyl-	5000 (2270)	Butyl acetate	5000 (2270)
Benzene, dimethyl-	100 (45.4)	iso-Butyl acetate	
Benzene, m-dimethyl-	1000 (454)	sec-Butyl acetate	
Benzene, o-dimethyl-	1000 (454)	tert-Butyl acetate	
Benzene, p-dimethyl-	100 (45.4)	n-Butyl alcohol	5000 (2270)
Benzene, 1,3-diisocyanatomethyl	100 (45.4)	Butylamine	1000 (454)
Benzene, hexachloro-	10 (4.54)	iso-Butylamine	
Benzene, hexahydro-	1000 (454)	sec-Butylamine	
Benzene, hydroxy-	1000 (454)	tert-Butylamine	
Benzene, methyl	1000 (454)	Butyl benzyl phthalate	100 (45.4)
Benzene, 1-methyl-2,4-dinitro-	10 (4.54)	n-Butyl phthalate	10 (4.54)
Benzene, 2-methyl-1,3-dinitro-	100 (45.4)	Butyric acid	5000 (2270)
Benzene, 1-methylethyl-	5000 (2270)	iso-Butyric acid	
Benzene, nitro	1000 (454)	Cacodylic acid	1 (0.454)
Benzene, pentachloro-	10 (4.54)	Cadmiumç	10 (4.54)
Benzene, pentachloronitro-	100 (45.4)	Cadmium acetate	10 (4.54)
Benzene, 1,2,4,5-tetrachloro-	5000 (2270)	Cadmium bromide	10 (4.54)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-choro	1 (0.454)	Cadmium chloride	10 (4.54)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-	1 (0.454)	Calcium arsenate	1 (0.454)
Benzene, (trichloromethyl)	10 (4.54)	Calcium arsenite	1 (0.454)
Benzene, 1,3,5-trinitro-	10 (4.54)	Calcium carbide	10 (4.54)
Benzenecetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-ethyl ester	10 (4.54)	Calcium chromate	10 (4.54)
Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	10 (4.54)	Calcium cyanamide	1000 (454)
Benzenediamine, ar-methyl-	10 (4.54)	Calcium cyanide	10 (4.54)
1,2-Benzenedicarboxylic acid, [bis(2-ethyleyl)] ester	100 (45.4)	Calcium cyanide Ca(CN)2	10 (4.54)
1,2-Benzenedicarboxylic acid, dibutyl ester	10 (4.54)	Calcium dodecylbenzene sulfonate	1000 (454)
1,2-Benzenedicarboxylic acid, diethyl ester	1000 (454)	Calcium hypochlorite	10 (4.54)
1,2-Benzenedicarboxylic acid, dimethyl ester	5000 (2270)	Camphene, octachloro-	1 (0.454)
1,2-Benzenedicarboxylic acid, dioctyl ester	5000 (2270)	Caprolactam	5000 (2270)
1,3-Benzenediol	5000 (2270)	Captan	10 (4.54)
1,2-Benzenediol,4-[1-hydroxy-2(methylamino)ethyl]-	1000 (454)	Carbamic acid, ethyl ester	100 (45.4)
Benzenethanamine, alpha,alpha-dimethyl-	5000 (2270)	Carbamic acid, methylNitroso, ethyl ester	1 (0.454)
Benzenethanamine, alpha,alpha-dimethyl-	5000 (2270)	Carbamic chloride, dimethyl-	1 (0.454)
Benzenesulfonic acid chloride	100 (45.4)	Carbamide, thio-	10 (4.54)
Benzenesulfonfyl chloride	100 (45.4)	Carbamimidoseleonic acid	1000 (454)
Benzenethiol	100 (45.4)	Carbamothioic acid, bis (1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester	100 (45.4)
Benzydine	1 (0.454)	Carbaryl	100 (45.4)
1,2-Benzisothiazol-3(2H)-one,1,1-dioxide	100 (45.4)	Carbofuran	10 (4.54)
Benzo[a]anthracene	10 (4.54)	Carbon bisulfide	100 (45.4)
1,3-Benzodioxole, 5-(2-propenyl)-	100 (45.4)		
1,3-Benzodioxole, 5-(1-propenyl)-	100 (45.4)		
1,3-Benzodioxole, 5-propyl-	10 (4.54)		

Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)	Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)
Carbon disulfide	100 (45.4)	Daunomycin	10 (4.54)
Carbonic acid, dithallium (1+)	100 (45.4)	DDD	1 (0.454)
Carbonic dichloride	10 (4.54)	4,4'-DDD	1 (0.454)
Carbonic difluoride	1000 (454)	DDE	5000 (2270)
Carbonochloridic acid, methyl ester	1000 (454)	4,4'-DDE	5000 (2270)
Carbon oxyfluoride	1000 (454)	DDT	1 (0.454)
Carbon tetrachloride	10 (4.54)	4,4'-DDT	1 (0.454)
Carbonyl sulfide	100 (45.4)	Diallate	100 (45.4)
Catechol	100 (45.4)	Diamine	1 (0.454)
Chloral	5000 (2270)	Diazinon	1 (0.454)
Chlorambucil	10 (4.54)	Diazomethane	100 (45.4)
Chlordane	1 (0.454)	Dibenz[a,h]anthracene	1 (0.454)
Chlordane, alpha & gamma isomers	1 (0.454)	1,2,5,6-Dibenzanthracene	1 (0.454)
Chlordane, technical	1 (0.454)	Dibenzo[a,h]anthracene	1 (0.454)
Chlorine	10 (4.54)	Dibenz[a,i]pyrene	10 (4.54)
Chloromaphazine	100 (45.4)	Dibenzofuran	100 (45.4)
Chloroacetaldehyde	1000 (454)	1,2-Dibromo-3-chloropropane	1 (0.454)
Chloroacetic acid	100 (45.4)	Dibutyl phthalate	10 (4.54)
2-Chloroacetophenone	100 (45.4)	Di-n-butyl phthalate	10 (4.54)
p-Chloroaniline	1000 (454)	Dicamba	1000 (454)
Chlorobenzene	100 (45.4)	Dichlobenil	100 (45.4)
Chlorobenzilate	10 (4.54)	Dichlone	1 (0.454)
4-Chloro-m-cresol	5000 (2270)	Dichlorobenzene	100 (45.4)
p-Chloro-m-cresol	5000 (2270)	1,2-Dichlorobenzene	100 (45.4)
Chlorobidromomethane	100 (45.4)	1,3-Dichlorobenzene	100 (45.4)
Chloroethane	100 (45.4)	1,4-Dichlorobenzene	100 (45.4)
2-Chloroethyl vinyl ether	1000 (454)	m-Dichlorobenzene	100 (45.4)
Chloroform	10 (4.54)	o-Dichlorobenzene	100 (45.4)
Chloromethane	100 (45.4)	1,2-Dichlorobenzene	100 (45.4)
Chloromethyl methyl ether	1 (0.454)	p-Dichlorobenzene	100 (45.4)
beta-Chloronaphthalene	5000 (2270)	3,3'-Dichlorobenzidine	1 (0.454)
2-Chloronaphthalene	5000 (2270)	Dichlorobromomethane	5000 (2270)
2-Chlorophenol	100 (45.4)	1,4 Dichloro-2-butene	1 (0.454)
o-Chlorophenol	100 (45.4)	Dichlorodifluoromethane	5000 (2270)
4-Chlorophenyl phenyl ether	5000 (2270)	1,1-Dichloroethane	1000 (454)
1-(o-Chlorophenyl)thiourea	100 (45.4)	1,2-Dichloroethane	100 (45.4)
Chloroprene	100 (45.4)	1,1-Dichloroethylene	100 (45.4)
3-Chloropropionitrile	1000 (454)	1,2-Dichloroethylene	1000 (454)
Chlorosulfonic acid	1000 (454)	1,3-Dichloropropene	100 (45.4)
4-Chloro-o-toluidine, hydrochloride	100 (45.4)	Dichloroethyl ether	10 (4.54)
Chlorpyrifos	1 (0.454)	Dichloroisopropyl-ether	1000 (454)
Chromic acetate	1000 (454)	Dichloromethane@	1000 (454)
Chromic acid	10 (4.54)	Dichloromethoxy ethane	1000 (454)
Chromic acid H2Cro4, calcium salt	10 (4.54)	Dichloromethyl ether	1 (0.454)
Chromic sulfate	1000 (454)	2,4-Dichlorophenol	100 (45.4)
Chromium e	5000 (2270)	2,6-Dichlorophenol	100 (45.4)
Chromous chloride	1000 (454)	Dichlorophenylarsine	1 (0.454)
Chrysene	100 (45.4)	Dichloropropane	1000 (454)
Cobaltous bromide	1000 (454)	1,1-Dichloropropane	
Cobaltous formate	1000 (454)	1,3-Dichloropropane	
Cobaltous sulfamate	1000 (454)	1,2-Dichloropropane	1000 (454)
Coke Oven Emissions	1 (0.454)	Dichloropropane - Dichloropropene (mixture)	100 (45.4)
Copper e	5000 (2270)	Dichloropropene	100 (45.4)
Copper chloride@	10 (4.54)	1,3 Dichloropropene	100 (45.4)
Copper cyanide	10 (4.54)	2,3-Dichloropropene	
Copper cyanide CuCn	10 (4.54)	2,2-Dichloropropionic acid	5000 (2270)
Coumaphos	10 (4.54)	Dichlorvos	10 (4.54)
Creosote	1 (0.454)	Dicofol	10 (4.54)
Cresols (isomers and mixture)	100 (45.4)	Dieldrin	
m-Cresol	100 (45.4)	1,2,3,4-Diepoxybutane	10 (4.54)
o-Cresol	100 (45.4)	Diethanolamine	100 (45.4)
p-Cresol	100 (45.4)	Diethylamine	1000 (454)
Cresylic acid (isomers and mixture)	100 (45.4)	N,N-diethylaniline	1000 (454)
m-Cresylic acid	100 (45.4)	Diethylarsine	1 (0.454)
o-Cresylic acid	100 (45.4)	1,4-Diethylenedioxiide	100 (45.4)
p-Cresylic acid	100 (45.4)	Diethylhexyl phthalate	100 (45.4)
Crotonaldehyde	100 (45.4)	N,N'-Diethylhydrazine	10 (4.54)
Cumene	5000 (2270)	O,O-Diethyl S-methyl dithiophosphate	5000 (2270)
Cupric acetate	100 (45.4)	Diethyl-p-nitrophenyl phosphate	100 (45.4)
Cupric acetoarsenite	1 (0.454)	Diethyl phthalate	1000 (454)
Cupric chloride	10 (4.54)	O,O-Diethyl O-pyrazinyl phosphorothioate	100 (45.4)
Cupric nitrate	100 (45.4)	Diethyl sulfate	10 (4.54)
Cupric oxalate	100 (45.4)	Diethylstilbestrol	1 (0.454)
Cupric sulfate	10 (4.54)	Dihydrosafrole	10 (4.54)
Cupric sulfate ammoniated	100 (45.4)	Diisopropyl fluorophosphate	100 (45.4)
Cupric tartrate	100 (45.4)	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-heachloro-	1 (0.454)
Cyanides (soluble salts and complexes) not otherwise specified	10 (4.54)	1,4,4a,5,8,8a-hexahydro, (1alpha,4alpha,4abeta,5abeta,8beta,8abeta)-, 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-10-hexachloro-	1 (0.454)
Cyanogen	100 (45.4)	1,4,4a,5,8,8a-hexahydro-(1alpha,4alpha,4abeta, 5alpha,8alpha,8abeta)-	
Cyanogen bromide	1000 (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)-,	1 (0.454)
Cyanogen bromide (CN)Br	1000 (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)
Cyanogen chloride	10 (4.54)	Dimethoate	10 (4.54)
Cyanogen chloride (CN) Cl	10 (4.54)	3,3'-Dimethoxybenzidine	10 (4.54)
2,5-Cyclohexadiene-1,4-dione	10 (4.54)	Dimethylamine	1000 (454)
Cyclohexane	1000 (454)	p-Dimethylaminoazobenzene	10 (4.54)
Cyclohexane, 1,2,3,4,5,6-hexachloro, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-	1 (0.454)	N,N-dimethylaniline	100 (45.4)
Cyclohexanone	5000 (2270)	7,12-Dimethylbenz[a]anthracene	1 (0.454)
2-Cyclohexyl-4,6-dinitrophenol	100 (45.4)		
1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	10 (4.54)		
Cyclophosphamide	10 (4.54)		
2,4-D Acid	100 (45.4)		
2,4-D Ester	100 (45.4)		

Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)	Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)
3,3'-Dimethylbenzidine	10 (4.54)	Ethylenebisdithiocarbamic acid, salts and esters	5000 (2270)
alpha, alpha-Dimethylbenzylhydroperoxide	10 (4.54)	Ethylenediamine	5000 (2270)
Dimethylcarbomoyl chloride	1 (0.454)	Ethylenediamine tetraacetic acid (EDTA)	5000 (2270)
Dimethylformamide	100 (45.4)	Ethylenethiourea	10 (4.54)
1,1-Dimethylhydrazine	10 (4.54)	Ethylenimine	1 (0.454)
1,2-Dimethylhydrazine	1 (0.454)	Ethyl ether	100 (45.4)
Dimethylhydrazine, unsymmetrical@	10 (4.54)	Ethylidene dichloride	1000 (454)
alpha, alpha-Dimethylphenethylamine	5000 (2270)	Ethyl methacrylate	1000 (454)
2,4-Dimethylphenol	100 (45.4)	Ethyl methanesulfonate	1 (0.454)
Dimethyl phthalate	5000 (2270)	Ethyl methyl ketone@	5000 (2270)
Dimethyl sulfate	100 (45.4)	Methyl ethyl ketone (MEK)	
Dinitrobenzene (mixed)	100 (45.4)	Famphur	1000 (454)
m-Dinitrobenzene		Ferric ammonium citrate	1000 (454)
o-Dinitrobenzene		Ferric ammonium oxalate	1000 (454)
p-Dinitrobenzene		Ferric chloride	1000 (454)
Dinitrogen tetroxide@	10 (4.54)	Ferric fluoride	100 (45.4)
4,6-Dinitro-o-cresol and salts	10 (4.54)	Ferric nitrate	1000 (454)
Dinitrophenol	10 (4.54)	Ferric sulfate	1000 (454)
2,5-Dinitrophenol		Ferrous ammonium sulfate	1000 (454)
2,6-Dinitrophenol		Ferrous chloride	100 (45.4)
2,4-Dinitrophenol	10 (4.54)	Ferrous sulfate	1000 (454)
Dinitrotoluene	10 (4.54)	Fluoranthene	100 (45.4)
3,4-Dinitrotoluene		Fluorene	5000 (2270)
2,4-Dinitrotoluene	10 (4.54)	Fluorine	10 (4.54)
2,6-Dinitrotoluene	100 (45.4)	Fluoroacetamide	100 (45.4)
Dinoseb	1000 (454)	Fluoroacetic acid, sodium salt	10 (4.54)
Di-n-octyl phthalate	5000 (2270)	Formaldehyde	100 (45.4)
1,4-Dioxane	100 (45.4)	Formic acid	5000 (2270)
1,2-Diphenylhydrazine	10 (4.54)	Fulminic acid, mercury(2+)salt	10 (4.54)
Diphosphoramidate, octamethyl-	100 (45.4)	Fumaric acid	5000 (2270)
Diphosphoric acid, tetraethyl ester	10 (4.54)	Furan	100 (45.4)
Dipropylamine	5000 (2270)	Furan, tetrahydro-	1000 (454)
Di-n-propylnitrosamine	10 (4.54)	2-Furancarboxaldehyde	5000 (2270)
Diquat	1000 (454)	2,5-Furandione	5000 (2270)
Disulfoton	1 (0.454)	Furfural	5000 (2270)
Dithiobiuret	100 (45.4)	Furfuran	100 (45.4)
Diuron	100 (45.4)	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoareido)-	1 (0.454)
Dodecylbenzenesulfonic acid	1000 (454)	D-Glucose, 2-deoxy-2-[[methylnitrosoamino]-carbonyl]amino]	1 (0.454)
Endosulfan	1 (0.454)	Glycidylaldehyde	10 (4.54)
alpha-Endosulfan	1 (0.454)	Guanidine, N-methyl-N'-nitro-N-nitroso-	10 (4.54)
beta-Endosulfan	1 (0.454)	Guthion	1 (0.454)
Endosulfan sulfate	1 (0.454)	Heptachlor	1 (0.454)
Endothall	1000 (454)	Heptachlor epoxide	1 (0.454)
Endrin	1 (0.454)	Hexachlorobenzene	10 (4.54)
Endrin, & metabolites	1 (0.454)	Hexachlorobutadiene	1 (0.454)
Endrin aldehyde	1 (0.454)	Hexachlorocyclohexane (gamma isomer)	1 (0.454)
Epichlorohydrin	100 (45.4)	Hexachlorocyclopentadiene	10 (4.54)
Epinephrine	1000 (454)	Hexachloroethane	100 (45.4)
1,2-Epoxybutane	100 (45.4)	1,2,3,4,10-10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-	1 (0.454)
Ethanal	1000 (454)	endo, exodimethanonaphthalene	
Ethanamine, N-ethyl-N-nitroso-	1 (0.454)	Hexachlorophene	100 (45.4)
Ethane, 1,2-dibromo-	1 (0.454)	Hexachloropropene	1000 (454)
Ethane, 1,1-dichloro-	1000 (454)	Hexaethyl tetraphosphate	100 (45.4)
Ethane, 1,2-dichloro-	100 (45.4)	Hexamethylene-1,6-diisocyanate	100 (45.4)
Ethane, hexachloro-	100 (45.4)	Hexamethylphosphoramidate	1 (0.454)
Ethane, 1,1'-[methylenebis(oxy)]bis(2-chloro-	1000 (454)	Hexane	5000 (2270)
Ethane, 1,1'-oxybis	100 (45.4)	Hydrazine	1 (0.454)
Ethane, 1,1'-oxybis(2-chloro-	10 (4.54)	Hydrazine, 1,2-diethyl-	10 (4.54)
Ethane, pentachloro-	10 (4.54)	Hydrazine, 1,1-dimethyl-	10 (4.54)
Ethane, 1,1,1,2-tetrachloro-	100 (45.4)	Hydrazine, 1,2-dimethyl-	1 (0.454)
Ethane, 1,1,2,2-tetrachloro-	100 (45.4)	Hydrazine, 1,2-diphenyl-	10 (4.54)
Ethane, 1,1,2-trichloro-	100 (45.4)	Hydrazine, methyl-	10 (4.54)
Ethane, 1,1,1-trichloro-	1000 (454)	Hydrazinecarbothioamide	100 (45.4)
1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-	5000 (2270)	Hydrochloric acid	5000 (2270)
thienyl-methyl)		Hydrocyanic acid	10 (4.54)
Ethanedinitrile	100 (45.4)	Hydrofluoric acid	100 (45.4)
Ethanenitrile	5000 (2270)	Hydrogen chloride	5000 (2270)
Ethanethioamide	10 (4.54)	Hydrogen cyanide	10 (4.54)
Ethanimidothioic acid, N-[[[(methylamino)carbonyl]oxy]-,	100 (45.4)	Hydrogen fluoride	100 (45.4)
methyl ester		Hydrogen phosphide	100 (45.4)
Ethanol, 2-ethoxy-	1000 (454)	Hydrogen sulfide	100 (45.4)
Ethanol, 2,2'-(nitrosoimino)bis-	1 (0.454)	Hydrogen sulfide H2S	100 (45.4)
Ethanone, 1-phenyl-	5000 (2270)	Hydroperoxide, 1-methyl-1-phenylethyl-	10 (4.54)
Ethanoyl chloride	5000 (2270)	Hydroquinone	100 (45.4)
Ethene, chloro-	1 (0.454)	2-Imidazolidinethione	10 (4.54)
Ethene, 2-chloroethoxy-	1000 (454)	Indeno(1,2,3-cd)pyrene	100 (45.4)
Ethene, 1,1-dichloro-	100 (45.4)	1,3-Isobenzofurandione	5000 (2270)
Ethene, 1,2-dichloro-(E)	1000 (454)	Isobutyl alcohol	5000 (2270)
Ethene, tetrachloro-	100 (45.4)	Isodrin	1 (0.454)
Ethene, trichloro-	100 (45.4)	Isophorone	5000 (2270)
Ethion	10 (4.54)	Isoprene	100 (45.4)
Ethyl acetate	5000 (2270)	Isopropanolamine dodecylbenzene sulfonate	1000 (454)
Ethyl acrylate	1000 (454)	Isosafrole	100 (45.4)
Ethylbenzene	1000 (454)	3(2H)-Isoxazolone, 5-(aminomethyl)-	1000 (454)
Ethyl carbamate (Urethan)	100 (45.4)	Kepone	1 (0.454)
Ethyl chloride@	100 (45.4)	Lasiocarpine	10 (4.54)
Ethyl cyanide	10 (4.54)	Lead c	10 (4.54)
Ethylene dibromide	1 (0.454)	Lead acetate	10 (4.54)
Ethylene dichloride	100 (45.4)	Lead arsenate	10 (4.54)
Ethylene glycol	100 (45.4)	Lead, bis(acetato-O)tetrahydroxytri	10 (4.54)
Ethylene glycol monoethyl ether	1000 (454)	Lead chloride	10 (4.54)
Ethylene oxide	10 (4.54)	Lead fluoborate	10 (4.54)
Ethylenebisdithiocarbamic acid	5000 (2270)	Lead fluoride	10 (4.54)

Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)	Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)
Lead iodide	10 (4.54)	Monomethylamine	100 (45.4)
Lead nitrate	10 (4.54)	Muscimol	1000 (454)
Lead phosphate	10 (4.54)	Naled	10 (4.54)
Lead stearate	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-	10 (4.54)
Lead subacetate	10 (4.54)	6,8,11-trihydroxy-1-methoxy-, (8S-cis)-,	
Lead sulfate	10 (4.54)	Naphthalenamine, N,N-bis(2-chloroethyl)-	100 (45.4)
Lead sulfide	10 (4.54)	Naphthalene	100 (45.4)
Lead thiocyanate	10 (4.54)	Naphthalene, 2-chloro-	5000 (2270)
Lindane	1 (0.454)	1,4-Naphthalenedione	5000 (2270)
Lithium chromate	10 (4.54)	2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-(1,1'- biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-	10 (4.54)
Malathion	100 (45.4)	tetrasodium salt.	
Maleic acid	5000 (2270)	Naphthenic acid	100 (45.4)
Maleic anhydride	5000 (2270)	1,4-Naphthoquinone	5000 (2270)
Maleic hydrazide	5000 (2270)	alpha-Naphthylamine	100 (45.4)
Malononitrile	1000 (454)	beta-Naphthylamine	1 (0.454)
MDI	5000 (2270)	1-Naphthylamine	100 (45.4)
Melphalan	1 (0.454)	2-Naphthylamine	1 (0.454)
Mercaptodimethur	10 (4.54)	alpha-Naphthylthiourea	100 (45.4)
Mercuric cyanide	1 (0.454)	Nickel	100 (45.4)
Mercuric nitrate	10 (4.54)	Nickel ammonium sulfate	100 (45.4)
Mercuric sulfate	10 (4.54)	Nickel carbonyl	10 (4.54)
Mercuric thiocyanate	10 (4.54)	Nickel carbonyl Ni(CO)4,(T-4)-	10 (4.54)
Mercurous nitrate	10 (4.54)	Nickel chloride	100 (45.4)
Mercury	1 (0.454)	Nickel cyanide	10 (4.54)
Mercury, (acetato-O)phenyl-	100 (45.4)	Nickel cyanide Ni(CN)2	10 (4.54)
Mercury fulminate	10 (4.54)	Nickel hydroxide	10 (4.54)
Methacrylonitrile	1000 (454)	Nickel nitrate	100 (45.4)
Methanamine, N-methyl	1000 (454)	Nickel sulfate	100 (45.4)
Methanamine, N-methyl-N-nitroso	10 (4.54)	Nicotine and salts	100 (45.4)
Methane, bromo-	1000 (454)	Nitric acid	1000 (454)
Methane, chloro-	100 (45.4)	Nitric acid, thallium(1+) salt	100 (45.4)
Methane, chloromethoxy-	1 (0.454)	Nitric oxide	10 (4.54)
Methane, dibromo-	1000 (454)	p-Nitroaniline	5000 (2270)
Methane, dichloro-	1000 (454)	Nitrobenzene	1000 (454)
Methane, dichlorodifluoro-	5000 (2270)	4-nitrobiphenyl	10 (4.54)
Methane, iodo-	100 (45.4)	Nitrogen dioxide	10 (4.54)
Methane, isocyanato-	10 (4.54)	Nitrogen oxide NO	10 (4.54)
Methane, oxybis(chloro-	1 (0.454)	Nitrogen oxide NO2	10 (4.54)
Methane, tetrachloro-	10 (4.54)	Nitroglycerine	10 (4.54)
Methane, tetranitro-	10 (4.54)	Nitrophenol (mixed)	100 (45.4)
Methane, tribromo-	100 (45.4)	m-	
Methane, trichloro-	10 (4.54)	o-	
Methane, trichlorofluoro-	5000 (2270)	p-	
Methanesulfonyl chloride, trichloro-	100 (45.4)	o-Nitrophenol	100 (45.4)
Methanesulfonic acid, ethyl ester	1 (0.454)	p-Nitrophenol	100 (45.4)
Methanethiol	100 (45.4)	2-Nitrophenol	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-Nitrophenol	100 (45.4)
Methanoic acid	5000 (2270)	2-Nitropropane	10 (4.54)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-a,4,7,7a- tetrahydro-	1 (0.454)	N-Nitrosodi-n-butylamine	10 (4.54)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a- hexahydro-	1 (0.454)	N-Nitrosodiethanolamine	1 (0.454)
Methanol	5000 (2270)	N-Nitrosodiethylamine	1 (0.454)
Methapyrilene	5000 (2270)	N-Nitrosodimethylamine	10 (4.54)
1,3,4-Metheno-2H-cyclobutal[cd]-pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-,	1 (0.454)	N-Nitrosodiphenylamine	100 (45.4)
Methomyl	100 (45.4)	N-Nitroso-N-ethylurea	1 (0.454)
Methoxychlor	1 (0.454)	N-Nitroso-N-methylurea	1 (0.454)
Methyl alcohol	5000 (2270)	N-Nitroso-N-methylurethane	1 (0.454)
Methylamine@	100 (45.4)	N-Nitrosomethylvinylamine	10 (4.54)
Methyl bromide	1000 (454)	n-Nitrosomorpholine	1 (0.454)
1-Methylbutadiene	100 (45.4)	N-Nitrosopiperidine	10 (4.54)
Methyl chloride	100 (45.4)	N-Nitrosopyrrolidine	1 (0.454)
Methyl chlorocarbonate	1000 (454)	Nitrotoluene	1000 (454)
Methyl chloroform	1000 (454)	m-Nitrotoluene	
Methyl chloroformate	1000 (454)	o-Nitrotoluene	
Methylchloromethyl ether@	1 (0.454)	p-Nitrotoluene	
3-Methylcholanthrene	10 (4.54)	5-Nitro-o-toluidine	100 (45.4)
4,4-Methylenebis(2-chloroaniline)	10 (4.54)	Octamethylpyrophosphoramide	100 (45.4)
Methylene bromide	1000 (454)	Osmium oxide OsO4 (T-4)-	1000 (454)
Methylene chloride	1000 (454)	Osmium tetroxide	1000 (454)
Methylene oxide	100 (45.4)	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	1000 (454)
Methyl ethyl ketone (MEK)	5000 (2270)	1,2-Oxathiolane, 2,2-dioxide	10 (4.54)
Methyl ethyl ketone peroxide	10 (4.54)	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2- chloroethyl)tetrahydro-, 2-oxide	10 (4.54)
Methyl hydrazine	10 (4.54)	Oxirane	10 (4.54)
Methyl iodide	100 (45.4)	Oxiranecarboxyaldehyde	10 (4.54)
Methyl isobutyl ketone	5000 (2270)	Oxirane, (chloromethyl)	100 (45.4)
Methyl isocyanate	10 (4.54)	Paraformaldehyde	1000 (454)
4,4'-Methylenedianiline	10 (4.54)	Paraldehyde	1000 (454)
Methylene diphenyl diisocyanate	5000 (2270)	Parathion	10 (4.54)
2-Methylactonitrile	10 (4.54)	Pentachlorobenzene	10 (4.54)
Methyl mercaptan	100 (45.4)	Pentachloroethane	10 (4.54)
Methyl methacrylate	1000 (454)	Pentachloronitrobenzene (PCNB)	100 (45.4)
Methyl parathion	100 (45.4)	Pentachlorophenol	10 (4.54)
4-Methyl-2-pentanone	5000 (2270)	1,3-Pentadiene	100 (45.4)
Methyl tert-butyl ether	1000 (454)	Perchloroethylene	100 (45.4)
Methylthiouracil	10 (4.54)	Perchloromethyl mercaptan@	100 (45.4)
Mevinphos	10 (4.54)	Phenacetin	100 (45.4)
Mexacarbate	1000 (454)	Phenanthrene	5000 (2270)
Mitomycin C	10 (4.54)	Phenol	1000 (454)
MNNG	10 (4.54)	Phenol, methyl-	100 (45.4)
Monoethylamine	100 (45.4)	Phenol, 2-chloro-	100 (45.4)
		Phenol, 4-chloro-3-methyl-	5000 (2270)

Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)	Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)
Phenol, 2-cyclohexyl-4,6-dinitro-	100 (45.4)	Propionic acid, 2-(2,4,5-trichlorophenoxy)-	100 (45.4)
Phenol, 2,4-dichloro-	100 (45.4)	Propionic anhydride	5000 (2270)
Phenol, 2,6-dichloro-	100 (45.4)	Propoxur (baygon)	100 (45.4)
Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)	1 (0.454)	n-Propylamine	5000 (2270)
Phenol, 2,4-dimethyl-	100 (45.4)	Propylene dichloride	1000 (454)
Phenol, 2,4-dinitro-	10 (4.54)	Propylene oxide	100 (45.4)
Phenol, 2-methyl-4,6-dinitro-	10 (4.54)	1,2-Propylenimine	1 (0.454)
Phenol, 2,2'-methylenebis[3,4,6-trichloro-	100 (45.4)	2-Propyn-1-ol	1000 (454)
Phenol, 2-(1-methylpropyl)-4,6-dinitro	1000 (454)	Pyrene	5000 (2270)
Phenol, 4-nitro-	100 (45.4)	Pyrethrins	1 (0.454)
Phenol, pentachloro-	10 (4.54)	3,6-Pyridazinedione, 1,2-dihydro-	5000 (2270)
Phenol, 2,3,4,6-tetrachloro-	10 (4.54)	4-Pyridinamine	1000 (454)
Phenol, 2,4,5-trichloro-	10 (4.54)	Pyridine	1000 (454)
Phenol, 2,4,6-trichloro-	10 (4.54)	Pyridine, 2-methyl-	5000 (2270)
Phenol, 2,4,6-trinitro-, ammonium salt	10 (4.54)	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)	100 (45.4)
L-Phenylalanine, 4-[bis(2-chloroethyl)amino]	1 (0.454)	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-	10 (4.54)
Phenyl dichloroarsine@	1 (0.454)	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	10 (4.54)
1,10-(1,2-Phenylene)pyrene	100 (45.4)	Pyrrolidine, 1-nitroso-	1 (0.454)
Phenyl mercaptan@	100 (45.4)	Quinoline	5000 (2270)
p-Phenylenedimine	5000 (2270)	RADIONUCLIDES	See Table 2
Phenylmercuric acetate	100 (45.4)	Reserpine	5000 (2270)
Phenylthiourea	100 (45.4)	Resorcinol	5000 (2270)
Phorate	10 (4.54)	Saccharin and salts	100 (45.4)
Phosgene	10 (4.54)	Safrole	100 (45.4)
Phosphine	100 (45.4)	Selenious acid	10 (4.54)
Phosphoric acid	5000 (2270)	Selenious acid, dithallium(1+) salt	1000 (454)
Phosphoric acid, diethyl 4-nitrophenyl ester	100 (45.4)	Selenium@	100 (45.4)
Phosphoric acid, lead(2+) salt (2:3)	10 (4.54)	Selenium dioxide	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester	1 (0.454)	Selenium oxide	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methyl ester	10 (4.54)	Selenium sulfide	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-methyl ester	5000 (2270)	Selenium sulfide SeS2	10 (4.54)
Phosphorodithioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester	10 (4.54)	Selenourea	1000 (454)
Phosphorofluoridic acid, bis(1-methylethyl) ester	100 (45.4)	L-Serine, diazoacetate (ester)	1 (0.454)
Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester	10 (4.54)	Silver@	1000 (454)
Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	100 (45.4)	Silver cyanide	1 (0.454)
Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester	100 (45.4)	Silver cyanide Ag(CN)	1 (0.454)
Phosphorothioic acid, O,[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester	1000 (454)	Silver nitrate	1 (0.454)
Phosphorus	1 (0.454)	Silvex(2,4,5-TP)	100 (45.4)
Phosphorus oxychloride	1000 (454)	Sodium	10 (4.54)
Phosphorus pentasulfide	100 (45.4)	Sodium arsenate	1 (0.454)
Phosphorus sulfide	100 (45.4)	Sodium arsenite	1 (0.454)
Phosphorus trichloride	1000 (454)	Sodium azide	1000 (454)
Phthalic anhydride	5000 (2270)	Sodium bichromate	10 (4.54)
2-Picoline	5000 (2270)	Sodium bifluoride	100 (45.4)
Piperidine, 1-nitroso-	10 (4.54)	Sodium bisulfite	5000 (2270)
Plumbane, tetraethyl-	10 (4.54)	Sodium chromate	10 (4.54)
POLYCHLORINATED BIPHENYLS (PCBs)	1 (0.454)	Sodium cyanide	10 (4.54)
Potassium arsenate	1 (0.454)	Sodium cyanide Na(CN)	10 (4.54)
Potassium arsenite	1 (0.454)	Sodium dodecylbenzene sulfonate	1000 (454)
Potassium bichromate	10 (4.54)	Sodium fluoride	1000 (454)
Potassium chromate	10 (4.54)	Sodium hydrosulfide	5000 (2270)
Potassium cyanide	10 (4.54)	Sodium hydroxide	1000 (454)
Potassium cyanide K(CN)	10 (4.54)	Sodium hypochlorite	100 (45.4)
Potassium hydroxide	1000 (454)	Sodium methylate	1000 (454)
Potassium permanganate	100 (45.4)	Sodium nitrite	100 (45.4)
Potassium silver cyanide	1 (0.454)	Sodium phosphate, dibasic	5000 (2270)
Pronamide	5000 (2270)	Sodium phosphate, tribasic	5000 (2270)
Propanal, 2-methyl-2-(methylthio)-,O-[(methylamino)carbonyl]oxime	1 (0.454)	Sodium selenite	100 (45.4)
1-Propanamine	5000 (2270)	Streptozotocin	1 (0.454)
1-Propanamine, N-nitroso-N-propyl-	10 (4.54)	Strontium chromate	10 (4.54)
1-Propanamine, N-propyl-	5000 (2270)	Strychnidin-10-one	10 (4.54)
Propane, 1,2-dibromo-3-chloro-	1 (0.454)	Strychnidin-10-one, 2,3-dimethoxy-	100 (45.4)
Propane, 1,2-dichloro-	1000 (454)	Strychnine and salts	10 (4.54)
Propane, 2-nitro-	10 (4.54)	Styrene	1000 (454)
Propane, 2,2'-oxybis [2-chloro-	1000 (454)	Styrene oxide	100 (45.4)
1,3-Propane sultone	10 (4.54)	Sulfur chloride@	1000 (454)
Propanedinitrile	1000 (454)	Sulfur monochloride	1000 (454)
Propanenitrile	10 (4.54)	Sulfur phosphide	100 (45.4)
Propanenitrile, 3-chloro-	1000 (454)	Sulfuric acid	1000 (454)
Propanenitrile, 2-hydroxy-2-methyl-	10 (4.54)	Sulfuric acid, dimethyl ester	100 (45.4)
1,2,3-Propanetriol, trinitrate-	10 (4.54)	Sulfuric acid, dithallium(1+) salt	100 (45.4)
1-Propanol, 2,3-dibromo-, phosphate (3:1)	10 (4.54)	2,4-D, salts and esters	100 (45.4)
1-Propanol, 2-methyl-	5000 (2270)	2,4,5-T	1000 (454)
2-Propanone	5000 (2270)	2,4,5-T acid	1000 (454)
2-Propanone, 1-bromo-	1000 (454)	2,4,5-T amines	5000 (2270)
Propargite	10 (4.54)	2,4,5-T esters	1000 (454)
Propargyl alcohol	1000 (454)	2,4,5-T salts	1000 (454)
2-Propenal	1 (0.454)	TDE	1 (0.454)
2-Propanamide	5000 (2270)	1,2,4,5-Tetrachlorobenzene	5000 (2270)
1-Propene, 1,3-dichloro-	100 (45.4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1 (0.454)
1-Propene, 1,1,2,3,3,3-hexachloro-	1000 (454)	1,1,1,2-Tetrachloroethane	100 (45.4)
2-Propenenitrile	100 (45.4)	1,1,2,2-Tetrachloroethane	100 (45.4)
2-Propenenitrile, 2-methyl-	1000 (454)	Tetrachloroethane@	100 (45.4)
2-Propenoic acid	5000 (2270)	1,1,1,2-Tetrachloroethane	100 (45.4)
2-Propenoic acid, ethyl ester	1000 (454)	Tetrachloroethene	100 (45.4)
2-Propenoic acid, 2-methyl-, ethyl ester	1000 (454)	Tetrachloroethylene	100 (45.4)
2-Propenoic acid, 2-methyl-, methyl ester	1000 (454)	2,3,4,6-Tetrachlorophenol	10 (4.54)
2-Propen-1-ol	100 (45.4)	Tetraethyl lead	10 (4.54)
beta-Propioaldehyde	1000 (454)	Tetraethyl pyrophosphate	10 (4.54)
Propionic acid	5000 (2270)	Tetraethyldithiopyrophosphate	100 (45.4)
		Tetrahydrofuran	1000 (454)
		Tetranitromethane	10 (4.54)

Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)	Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)
Tetraphosphoric acid, hexaethyl ester	100 (45.4)	Zinc Bromide	1000 (454)
Thallic oxide	100 (45.4)	Zinc carbonate	1000 (454)
Thallium	1000 (454)	Zinc chloride	1000 (454)
Thallium(I) acetate	100 (45.4)	Zinc cyanide	10 (4.54)
Thallium(I) carbonate	100 (45.4)	Zinc cyanide Zn(CN)2	10 (4.54)
Thallium(I) chloride	100 (45.4)	Zinc fluoride	1000 (454)
Thallium chloride TICI	100 (45.4)	Zinc formate	1000 (454)
Thallium(I) nitrate	100 (45.4)	Zinc hydrosulfite	1000 (454)
Thallium oxide T1203	100 (45.4)	Zinc nitrate	1000 (454)
Thallium selenite	1000 (454)	Zinc phenolsulfonate	5000 (2270)
Thallium(I) sulfate	100 (45.4)	Zinc phosphide	100 (45.4)
Thioacetamide	10 (4.54)	Zinc phosphide Zn3P2, when present at concentrations greater than 10%	100 (45.4)
Thiodiphosphoric acid, tetraethyl ester	100 (45.4)	Zinc silicofluoride	5000 (2270)
Thiofanox	100 (45.4)	Zinc sulfate	1000 (454)
Thioimidodicarbonic diamide [(H2N)C(S)]2NH	100 (45.4)	Zirconium nitrate	5000 (2270)
Thiomethanol	100 (45.4)	Zirconium potassium fluoride	1000 (454)
Thioperoxydicarbonic diamide [(H2N)C(S)]2S2, tetramethyl-	10 (4.54)	Zirconium sulfate	5000 (2270)
Thiophenol	100 (45.4)	Zirconium tetrachloride	5000 (2270)
Thiosemicarbazine	100 (45.4)	D001 Unlisted Hazardous Wastes Characteristic of Ignitability	100 (45.4)
Thiourea	10 (4.54)	D002 Unlisted Hazardous Wastes Characteristic of Corrosivity	100 (45.4)
Thiourea, (2-chlorophenyl)-	100 (45.4)	D003 Unlisted Hazardous Wastes Characteristic of Reactivity	100 (45.4)
Thiourea, 1-naphthalenyl-	100 (45.4)	D004-D043 Unlisted Hazardous Wastes Characteristic of	
Thiourea, phenyl-	100 (45.4)	Toxicity	
Thiram	10 (4.54)	D004 Arsenic	1 (0.454)
Titanium tetrachloride	1000 (454)	D005 Barium	1000 (454)
Toluene	1000 (454)	D006 Cadmium	10 (4.54)
Toluenediamine	10 (4.54)	D007 Chromium	10 (4.54)
Toluene diisocyanate	100 (45.4)	D008 Lead	10 (4.54)
o-Toluidine	100 (45.4)	D009 Mercury	1 (0.454)
p-Toluidine	100 (45.4)	D010 Selenium	10 (4.54)
o-Toluidine hydrochloride	100 (45.4)	D011 Silver	1 (0.454)
Toxaphene	1 (0.454)	D012 Endrin	1 (0.454)
2,4,5-TP acid	100 (45.4)	D013 Lindane	1 (0.454)
Silvex (2,4,5-TP)		D014 Methoxychlor	1 (0.454)
2,4,4-TP acid ester	100 (45.4)	D015 Toxaphene	1 (0.454)
1H-1,2,4-Triazol-3-amine	10 (4.54)	D016 2,4-D	100 (45.4)
Trichlorfon	100 (45.4)	D017 2,4,5-TP	100 (45.4)
1,2,4-Trichlorobenzene	100 (45.4)	D018 Benzene	10 (4.54)
1,1,1-Trichloroethane	1000 (454)	D019 Carbon tetrachloride	10 (4.54)
1,1,2-Trichloroethane		D020 Chlordane	1 (0.454)
Trichloroethene	100 (45.4)	D021 Chlorobenzene	100 (45.4)
Trichloroethylene	100 (45.4)	D022 Chloroform	10 (4.54)
Trichloromethanesulfonyl chloride	100 (45.4)	D023 o-Cresol	100 (45.4)
Trichloromonofluoromethane	5000 (2270)	D024 m-Cresol	100 (45.4)
Trichlorophenol	10 (4.54)	D025 p-Cresol	100 (45.4)
2,3,4-Trichlorophenol		D026 Cresol	100 (45.4)
2,3,5-Trichlorophenol		D027 1,4-Dichlorobenzene	100 (45.4)
2,3,6-Trichlorophenol		D028 1,2-Dichloroethane	100 (45.4)
2,4,5-Trichlorophenol		D029 1,1-Dichloroethylene	100 (45.4)
2,4,6-Trichlorophenol		D030 2,4-Dinitrotoluene	10 (4.54)
3,4,5-Trichlorophenol		D031 Heptachlor (and hydroxide)	1 (0.454)
2,4,5-Trichlorophenol	10 (4.54)	D032 Hexachlorobenzene	10 (4.54)
2,4,6-Trichlorophenol	10 (4.54)	D033 Hexachlorobutadiene	1 (0.454)
Triethanolamine dodecylbenzene sulfonate	1000 (454)	D034 Hexachloroethane	100 (45.4)
Triethylamine	5000 (2270)	D035 Methyl ethyl ketone	5000 (2270)
Trifluralin	10 (4.54)	D036 Nitrobenzene	1000 (454)
Trimethylamine	100 (45.4)	D037 Pentachlorophenol	10 (4.54)
2,2,4-Trimethylpentane	1000 (454)	D038 Pyridine	1000 (454)
1,3,5-Trinitrobenzene	10 (4.54)	D039 Tetrachloroethylene	100 (45.4)
1,3,5-Trioxane, 2,4,6-trimethyl-	1000 (454)	D040 Trichloroethylene	100 (45.4)
Tris(2,3-dibromopropyl) phosphate	10 (4.54)	D041 2,4,5-Trichlorophenol	10 (4.54)
Trypan blue	10 (4.54)	D042 2,4,6-Trichlorophenol	10 (4.54)
Uracil mustard	10 (4.54)	D043 Vinyl chloride	1 (0.454)
Uranyl acetate	100 (45.4)	F001	10 (4.54)
Uranyl nitrate	100 (45.4)	The following spent halogenated solvents used in degreasing; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the below listed halogenated solvents or those solvents listed in F002, F004 and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures	
Urea, N-ethyl-N-nitroso-	1 (0.454)	(a) Tetrachloroethylene	100 (45.4)
Urea, N-Methyl-N-nitroso-	1 (0.454)	(b) Trichloroethylene	100 (45.4)
Vanadic acid, ammonium salt	1000 (454)	(c) Methylene chloride	1000 (454)
Vanadium oxide V2O5	1000 (454)	(d) 1,1,1-Trichloroethane	1000 (454)
Vanadium pentoxide	1000 (454)	(e) Carbon tetrachloride	10 (4.54)
Vanadyl sulfate	1000 (454)	(f) Chlorinated fluorocarbons	5000 (2270)
Vinyl acetate	5000 (2270)	F002	10 (4.54)
Vinyl acetate monomer	5000 (2270)	The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the below listed halogenated solvents or those listed in F001, F004, F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures	
Vinyl bromide	100 (45.4)	(a) Tetrachloroethylene	100 (45.4)
Vinylamine, N-methyl-N-nitroso-	10 (4.54)	(b) Methylene chloride	1000 (454)
Vinyl chloride	1 (0.454)	(c) Trichloroethylene	100 (45.4)
Vinylidene chloride	100 (45.4)	(d) 1,1,1-Trichloroethane	1000 (454)
Warfarin, & salts, when present at concentrations greater than 0.3%	100 (45.4)	(e) Chlorobenzene	100 (45.4)
Xylene	100 (45.4)	(f) 1,1,2-Trichloro-1,2,2-trifluoroethane	5000 (2270)
m-Xylene	1000 (454)	(g) o-Dichlorobenzene	100 (45.4)
o-Xylene	1000 (454)		
p-Xylene	100 (45.4)		
Xylene (mixed)	100 (45.4)		
Xylene (isomers and mixture)	100 (45.4)		
Xylenol	1000 (454)		
Yohimban-16-carboxylic acid,11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester (3beta,16beta,17alpha,18beta,20alpha)-,	5000 (2270)		
Zinc	1000 (454)		
Zinc acetate	1000 (454)		
Zinc ammonium chloride	1000 (454)		
Zinc borate	1000 (454)		

Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)	Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)
(h) Trichlorofluoromethane	5000 (2270)	heavy ends, tars, and reactor cleanout wastes, from the production of chlorinated aliphatic hydrocarbons, having carbon content from one to five, utilizing free radical catalyzed processes. (This listing does not include light ends, spent filters and filter aids, spent dessicants(sic), wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in 40 CFR 261.32)	
(i) 1,1,2 Trichloroethane	100 (45.4)		
F003	100 (45.4)	F025	1 (0.454)
The following spent non-halogenated solvents and solvents:		Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution	
(a) Xylene	1000 (454)	F026	1 (0.454)
(b) Acetone	5000 (2270)	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions	
(c) Ethyl acetate	5000 (2270)	F027	1 (0.454)
(d) Ethylbenzene	1000 (454)	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component)	
(e) Ethyl ether	100 (45.4)	F028	1 (0.454)
(f) Methyl isobutyl ketone	5000 (2270)	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027	
(g) n-Butyl alcohol	5000 (2270)	F032	1 (0.454)
(h) Cyclohexanone	5000 (2270)	F034	1 (0.454)
(i) Methanol	5000 (2270)	F035	1 (0.454)
F004	100 (45.4)	F037	1 (0.454)
The following spent non-halogenated solvents and the stillbottoms from the recovery of these solvents:		F038	1 (0.454)
(a) Cresols/Cresylic acid	1000 (454)	F039	1 (0.454)
(b) Nitrobenzene	100 (45.4)	Multi source leachate	
F005	100 (45.4)	K001	1 (0.454)
The following spent non-halogenated solvents and the stillbottoms from the recovery of these solvents:		Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol	
(a) Toluene	1000 (454)	K002	10 (0.454)
(b) Methyl ethyl ketone	5000 (2270)	Wastewater treatment sludge from the production of chrome yellow and orange pigments	
(c) Carbon disulfide	100 (45.4)	K003	10 (0.454)
(d) Isobutanol	5000 (2270)	Wastewater treatment sludge from the production of molybdate orange pigments	
(e) Pyridine	1000 (454)	K004	10 (0.454)
F006	10 (0.454)	Wastewater treatment sludge from the production of zinc yellow pigments	
Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum, (2) tin plating on carbon steel, (3) zinc plating (segregated basis) on carbon steel, (4) aluminum or zinc-aluminum plating on carbon steel, (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel, and (6) chemical etching and milling of aluminum		K005	10 (0.454)
F007	10 (0.454)	Wastewater treatment sludge from the production of chrome green pigments	
Spent cyanide plating bath solutions from electroplating operations		K006	10 (0.454)
F008	10 (0.454)	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated)	
Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process		K007	10 (0.454)
F009	10 (0.454)	Wastewater treatment sludge from the production of iron blue pigments	
Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process		K008	10 (0.454)
F010	10 (0.454)	Oven residue from the production of chrome oxide green pigments	
Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process		K009	10 (0.454)
F011	10 (0.454)	Distillation bottoms from the production of acetaldehyde from ethylene	
Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations (except for precious metals heat treating spent cyanide solutions from salt bath pot cleaning)		K010	10 (0.454)
F012	10 (0.454)	Distillation side cuts from the production of acetaldehyde from ethylene	
Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process		K011	10 (0.454)
F019	10 (0.454)	Bottom stream from the wastewater stripper in the production of acrylonitrile	
Wastewater treatment sludges from the chemical conversion coating of aluminum—except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process		K013	10 (0.454)
F020	1 (0.454)	Bottom stream from the acetonitrile column in the production of acrylonitrile	
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol; or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol)		K014	5000 (2270)
F021	1 (0.454)	Bottoms from the acetonitrile purification column in the production of acrylonitrile	
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives		K015	10 (0.454)
F022	1 (0.454)	Still bottoms from the distillation of benzyl chloride	
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions		K016	1 (0.454)
F023	1 (0.454)	Heavy ends or distillation residues from the production of carbon tetrachloride	
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from high purified 2,4,5-trichlorophenol)		K017	10 (0.454)
F024	1 (0.454)	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin	
Wastes, including but not limited to distillation residues,		K018	1 (0.454)
		Heavy ends from the fractionation column in ethyl chloride production	

Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)	Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)
K019 Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production	1 (0.454)	K051 API separator sludge from the petroleum refining industry	10 (4.54)
K020 Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production	1 (0.454)	K052 Tank bottoms (lead) from the petroleum refining industry	10 (4.54)
K021 Aqueous spent antimony catalyst waste from fluoromethanes production	10 (4.54)	K060 Ammonia still lime sludge from coking operations	1 (0.454)
K022 Distillation bottom tars from the production of phenol/acetone from cumene	1 (0.454)	K061 Emission control dust/sludge from the primary production of steel in electric furnaces	10 (4.54)
K023 Distillation light ends from the production of phthalic anhydride from naphthalene	5000 (2270)	K062 Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry	10 (4.54)
K024 Distillation bottoms from the production of phthalic anhydride from naphthalene	5000 (2270)	K064 Acid plant blowdown slurry/sludge resulting from thickening of blowdown slurry from primary copper production	10 (4.54)
K025 Distillation bottoms from the production of nitrobenzene by the nitration of benzene	10 (4.54)	K065 Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities	10 (4.54)
K026 Stripping still tails from the production of methyl ethyl pyridines	1000 (454)	K066 Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production	10 (4.54)
K027 Centrifuge and distillation residues from toluene diisocyanate production	10 (4.54)	K069 Emission control dust/sludge from secondary lead smelting	10 (4.54)
K028 Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane	1 (0.454)	K071 Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used	1 (0.454)
K029 Waste from the product steam stripper in the production of 1,1,1-trichloroethane	1 (0.454)	K073 Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine productions	10 (4.54)
K030 Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene	1 (0.454)	K083 Distillation bottoms from aniline extraction	100 (45.4)
K031 By-product salts generated in the production of MSMA and cacodylic acid	1 (0.454)	K084 Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	1 (0.454)
K032 Wastewater treatment sludge from the production of chlordane	10 (4.54)	K085 Distillation or fractionation column bottoms from the production of chlorobenzenes	10 (4.54)
K033 Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane	10 (4.54)	K086 Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead	10 (4.54)
K034 Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane	10 (4.54)	K087 Decanter tank tar sludge from coking operations	100 (45.4)
K035 Wastewater treatment sludges generated in the production of creosote	1 (0.454)	K088 Spent potliners from primary aluminum reduction	10 (4.54)
K036 Still bottoms from toluene reclamation distillation in the production of disulfoton	1 (0.454)	K090 Emission control dust or sludge from ferrochromium/silicon production	10 (4.54)
K037 Wastewater treatment sludges from the production of disulfoton	1 (0.454)	K091 Emission control dust or sludge from ferrochromium production	10 (4.54)
K038 Wastewater from the washing and stripping of phorate production	10 (4.54)	K093 Distillation light ends from the production of phthalic anhydride from ortho-xylene	5000 (2270)
K039 Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate	10 (4.54)	K094 Distillation bottoms from the production of phthalic anhydride from ortho-xylene	5000 (2270)
K040 Wastewater treatment sludge from the production of phorate	10 (4.54)	K095 Distillation bottoms from the production of 1,1,1-trichloroethane	100 (45.4)
K041 Wastewater treatment sludge from the production of toxaphene	1 (0.454)	K096 Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane	100 (45.4)
K042 Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T	10 (4.54)	K097 Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane	1 (0.454)
K043 2,6-dichlorophenol waste from the production of 2,4-D	10 (4.54)	K098 Untreated process wastewater from the production of toxaphene	1 (0.454)
K044 Wastewater treatment sludges from the manufacturing and processing of explosives	10 (4.54)	K099 Untreated wastewater from the production of 2,4-D	10 (4.54)
K045 Spent carbon from the treatment of wastewater containing explosives	10 (4.54)	K100 Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting	10 (4.54)
K046 Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds	10 (4.54)	K101 Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	1 (0.454)
K047 Pink/red water from TNT operations	10 (4.54)	K102 Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	1 (0.454)
K048 Dissolved air flotation (DAF) float from the petroleum refining industry	1 (0.454)	K103 Process residues from aniline extraction from the production of aniline	100 (45.4)
K049 Slop oil emulsion solids from the petroleum refining industry	10 (4.54)	K104 Combined wastewater streams generated from nitrobenzene/aniline chlorobenzenes	10 (4.54)
K050 Heat exchanger bundle cleaning sludge from the petroleum refining industry	10 (4.54)		

Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)	Hazardous Substance	Reportable Quantity (RQ) Pounds (Kilograms)
K105 Separated aqueous stream from the reactor product washing step in the productions of chlorobenzenes	10 (4.54)	K116 Organic condensate from the solven recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine	10 (4.54)
K106 Wastewater treatment sludge from the mercury cell process in chlorine production	1 (0.454)	K117 Wastewater from the reaction vent gas scrubber in the production of ethylene bromide via bromination of ethene	1 (0.454)
K107 Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazines	10 (4.54)	K118 Spent absorbent solids from purification of ethylene dibromide in the production of ethylene dibromide	1 (0.454)
K-108 Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides	10 (4.54)	K123 Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts	10 (4.54)
K109 Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides	10 (4.54)	K124 Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts	10 (4.54)
K110 Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazines (UDMH) from carboxylic acid hydrazides	10 (4.54)	K125 Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts	10 (4.54)
K111 Product washwaters from the production of dinitrotoluene via nitration of toluene	10 (4.54)	K126 Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts	10 (4.54)
K112 Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene	10 (4.54)	K131 Waste water form the reactor and spent sulfuric acid from the acid dryer in the production of methyl bromide	100 (45.4)
K113 Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	10 (4.54)	K132 Spent absorbent and wastewater solids from the production of methyl bromide	1000 (454)
K114 Vicinals from the purification of toluenediamine in the productin of toluenediamine via hydrogenation of dinitrotoluene	10 (4.54)	K136 Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.	1 (0.454)
K115 Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene	10 (4.54)	K141 K142 K143 K144 K145 K147 K148 K149 K150	1 (0.454) 1 (0.454) 1 (0.454) 1 (0.454) 1 (0.454) 1 (0.454) 1 (0.454) 10 (4.54) 10 (4.54)

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

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

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

* Indicates that this material appears by name in the Hazardous Materials Table.

List of Hazardous Substances and Reportable Quantities

Table 2—Radionuclides

(1)—Radionuclide	(2)— Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)	(1)—Radionuclide	(2)— Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)	(1)—Radionuclide	(2)— Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Actinium-224	89	100 (3.7)	Bromine-83	35	1000 (37)	Europium-145	63	10 (3.7)
Actinium-225	89	1 (.037)	Bromine-84	35	100 (3.7)	Europium-146	63	10 (3.7)
Actinium-226	89	10 (3.7)	Cadmium-104	48	1000 (37)	Europium-147	63	10 (3.7)
Actinium-227	89	0.001 (.000037)	Cadmium-107	48	1000 (37)	Europium-148	63	10 (3.7)
Actinium-228	89	10 (3.7)	Cadmium-109	48	1 (.037)	Europium-149	63	100 (3.7)
Aluminum-26	13	10 (3.7)	Cadmium-113	48	0.1 (.0037)	Europium-150 (12.6 hr)	63	1000 (37)
Americium-237	95	1000 (37)	Cadmium-113m	48	0.1 (.0037)	Europium-150 (34.2 yr)	63	10 (3.7)
Americium-238	95	100 (3.7)	Cadmium-115	48	100 (3.7)	Europium-152	63	10 (3.7)
Americium-239	95	100 (3.7)	Cadmium-115m	48	10 (3.7)	Europium-152m	63	100 (3.7)
Americium-240	95	10 (3.7)	Cadmium-117	48	100 (3.7)	Europium-154	63	10 (3.7)
Americium-241	95	0.01 (.00037)	Cadmium-117m	48	10 (3.7)	Europium-155	63	10 (3.7)
Americium-242	95	100 (3.7)	Calcium-41	20	10 (3.7)	Europium-156	63	10 (3.7)
Americium-242m	95	0.01 (.00037)	Calcium-45	20	10 (3.7)	Europium-157	63	10 (3.7)
Americium-243	95	0.01 (.00037)	Calcium-47	20	10 (3.7)	Europium-158	63	1000 (37)
Americium-244	95	10 (3.7)	Californium-244	98	1000 (37)	Fermium-252	100	10 (3.7)
Americium-244m	95	1000 (37)	Californium-246	98	10 (3.7)	Fermium-253	100	10 (3.7)
Americium-245	95	1000 (37)	Californium-248	98	0.1 (.0037)	Fermium-254	100	100 (3.7)
Americium-246	95	1000 (37)	Californium-249	98	0.01 (.00037)	Fermium-255	100	100 (3.7)
Americium-246m	95	1000 (37)	Californium-250	98	0.01 (.00037)	Fermium-257	100	1 (.037)
Antimony-115	51	1000 (37)	Californium-251	98	0.01 (.00037)	Fluorine-18	9	1000 (37)
Antimony-116	51	1000 (37)	Californium-252	98	0.1 (.0037)	Francium-222	87	100 (3.7)
Antimony-116m	51	100 (3.7)	Californium-253	98	10 (3.7)	Francium-223	87	100 (3.7)
Antimony-117	51	1000 (37)	Californium-254	98	0.1 (.0037)	Gadolinium-145	64	100 (3.7)
Antimony-118m	51	10 (3.7)	Carbon-11	6	1000 (37)	Gadolinium-146	64	10 (3.7)
Antimony-119	51	1000 (37)	Carbon-14	6	10 (3.7)	Gadolinium-147	64	10 (3.7)
Antimony-120 (16 min)	51	1000 (37)	Cerium-134	58	10 (3.7)	Gadolinium-148	64	0.001 (.000037)
Antimony-120 (5.76 day)	51	10 (3.7)	Cerium-135	58	10 (3.7)	Gadolinium-149	64	100 (3.7)
Antimony-122	51	10 (3.7)	Cerium-137	58	1000 (37)	Gadolinium-151	64	100 (3.7)
Antimony-124	51	10 (3.7)	Cerium-137m	58	100 (3.7)	Gadolinium-152	64	0.001 (.000037)
Antimony-124m	51	1000 (37)	Cerium-139	58	100 (3.7)	Gadolinium-153	64	10 (3.7)
Antimony-125	51	10 (3.7)	Cerium-141	58	10 (3.7)	Gadolinium-159	64	1000 (37)
Antimony-126	51	10 (3.7)	Cerium-143	58	100 (3.7)	Gallium-65	31	1000 (37)
Antimony-126m	51	1000 (37)	Cerium-144	58	1 (.037)	Gallium-66	31	10 (3.7)
Antimony-127	51	10 (3.7)	Cesium-125	55	1000 (37)	Gallium-67	31	100 (3.7)
Antimony-128 (10.4 min)	51	1000 (37)	Cesium-127	55	100 (3.7)	Gallium-68	31	1000 (37)
Antimony-128 (9.01 hr)	51	10 (3.7)	Cesium-129	55	100 (3.7)	Gallium-70	31	1000 (37)
Antimony-129	51	100 (3.7)	Cesium-130	55	1000 (37)	Gallium-72	31	10 (3.7)
Antimony-130	51	100 (3.7)	Cesium-131	55	1000 (37)	Gallium-73	31	100 (3.7)
Antimony-131	51	1000 (37)	Cesium-132	55	10 (3.7)	Germanium-66	32	100 (3.7)
Argon-39	18	1000 (37)	Cesium-134	55	1 (.037)	Germanium-67	32	1000 (37)
Argon-41	18	10 (3.7)	Cesium-134m	55	1000 (37)	Germanium-68	32	10 (3.7)
Arsenic-69	33	1000 (37)	Cesium-135	55	10 (3.7)	Germanium-69	32	10 (3.7)
Arsenic-70	33	100 (3.7)	Cesium-135m	55	100 (3.7)	Germanium-71	32	1000 (37)
Arsenic-71	33	100 (3.7)	Cesium-136	55	10 (3.7)	Germanium-75	32	1000 (37)
Arsenic-72	33	10 (3.7)	Cesium-137	55	1 (.037)	Germanium-77	32	10 (3.7)
Arsenic-73	33	100 (3.7)	Cesium-138	55	100 (3.7)	Germanium-78	32	1000 (37)
Arsenic-74	33	10 (3.7)	Chlorine-36	17	10 (3.7)	Gold-193	79	100 (3.7)
Arsenic-76	33	100 (3.7)	Chlorine-38	17	100 (3.7)	Gold-194	79	10 (3.7)
Arsenic-77	33	1000 (37)	Chlorine-39	17	100 (3.7)	Gold-195	79	100 (3.7)
Arsenic-78	33	100 (3.7)	Chromium-48	24	100 (3.7)	Gold-198	79	100 (3.7)
Astatome-207	85	100 (3.7)	Chromium-49	24	1000 (37)	Gold-198m	79	10 (3.7)
Astatine-211	85	100 (3.7)	Chromium-51	24	1000 (37)	Gold-199	79	100 (3.7)
Barium-126	56	1000 (37)	Cobalt-55	27	10 (3.7)	Gold-200	79	1000 (37)
Barium-128	56	10 (3.7)	Cobalt-56	27	10 (3.7)	Gold-200m	79	10 (3.7)
Barium-131	56	10 (3.7)	Cobalt-57	27	100 (3.7)	Gold-201	79	1000 (37)
Barium-131m	56	1000 (37)	Cobalt-58	27	10 (3.7)	Hafnium-170	72	100 (3.7)
Barium-133	56	10 (3.7)	Cobalt-58m	27	1000 (37)	Hafnium-172	72	1 (.037)
Barium-133m	56	100 (3.7)	Cobalt-60	27	10 (3.7)	Hafnium-173	72	100 (3.7)
Barium-135m	56	1000 (37)	Cobalt-60m	27	1000 (37)	Hafnium-175	72	100 (3.7)
Barium-139	56	1000 (37)	Cobalt-61	27	1000 (37)	Hafnium-177m	72	1000 (37)
Barium-140	56	10 (3.7)	Cobalt-62m	27	1000 (37)	Hafnium-178m	72	0.1 (.0037)
Barium-141	56	1000 (37)	Copper-61	29	100 (3.7)	Hafnium-179m	72	100 (3.7)
Barium-142	56	1000 (37)	Copper-64	29	1000 (37)	Hafnium-180m	72	100 (3.7)
Berkelium-245	97	100 (3.7)	Copper-67	29	100 (3.7)	Hafnium-181	72	10 (3.7)
Berkelium-246	97	10 (3.7)	Curium-238	96	1000 (37)	Hafnium-182	72	0.1 (.0037)
Berkelium-247	97	0.01 (.00037)	Curium-240	96	1 (.037)	Hafnium-182m	72	100 (3.7)
Berkelium-249	97	1 (.037)	Curium-241	96	10 (3.7)	Hafnium-183	72	100 (3.7)
Berkelium-250	97	100 (3.7)	Curium-242	96	1 (.037)	Hafnium-184	72	100 (3.7)
Beryllium-10	4	1 (.037)	Curium-243	96	0.01 (.00037)	Holmium-155	67	1000 (37)
Beryllium-7	4	100 (3.7)	Curium-244	96	0.01 (.00037)	Holmium-157	67	1000 (37)
Bismuth-200	83	100 (3.7)	Curium-245	96	0.01 (.00037)	Holmium-159	67	1000 (37)
Bismuth-201	83	100 (3.7)	Curium-246	96	0.01 (.00037)	Holmium-161	67	1000 (37)
Bismuth-202	83	1000 (37)	Curium-247	96	0.01 (.00037)	Holmium-162	67	1000 (37)
Bismuth-203	83	10 (3.7)	Curium-248	96	0.001 (.000037)	Holmium-162m	67	1000 (37)
Bismuth-205	83	10 (3.7)	Curium-249	96	1000 (37)	Holmium-164	67	1000 (37)
Bismuth-206	83	10 (3.7)	Dysprosium-155	66	100 (3.7)	Holmium-164m	67	1000 (37)
Bismuth-207	83	10 (3.7)	Dysprosium-157	66	100 (3.7)	Holmium-166	67	100 (3.7)
Bismuth-210	83	10 (3.7)	Dysprosium-159	66	100 (3.7)	Holmium-166m	67	1 (.037)
Bismuth-210m	83	0.1 (.0037)	Dysprosium-165	66	1000 (37)	Holmium-167	67	100 (3.7)
Bismuth-212	83	100 (3.7)	Dysprosium-166	66	10 (3.7)	Hydrogen-3	1	100 (3.7)
Bismuth-213	83	100 (3.7)	Einsteinium-250	99	10 (3.7)	Indium-109	49	100 (3.7)
Bismuth-214	83	100 (3.7)	Einsteinium-251	99	1000 (37)	Indium-110 (4.9 hr)	49	10 (3.7)
Bromine-74	35	100 (3.7)	Einsteinium-253	99	10 (3.7)	Indium-110 (69.1 min)	49	100 (3.7)
Bromine-74m	35	100 (3.7)	Einsteinium-254	99	0.1 (.0037)	Indium-111	49	100 (3.7)
Bromine-75	35	100 (3.7)	Einsteinium-254m	99	1 (.037)	Indium-112	49	1000 (37)
Bromine-76	35	10 (3.7)	Erbium-161	68	100 (3.7)	Indium-113m	49	1000 (37)
Bromine-77	35	100 (3.7)	Erbium-165	68	1000 (37)	Indium-114m	49	10 (3.7)
Bromine-80	35	1000 (37)	Erbium-169	68	100 (3.7)	Indium-115	49	0.1 (.0037)
Bromine-80m	35	1000 (37)	Erbium-171	68	100 (3.7)	Indium-115m	49	100 (3.7)
Bromine-82	35	10 (3.7)	Erbium-172	68	10 (3.7)	Indium-116m	49	100 (3.7)

(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)	(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)	(1)—Radionuclide	(2)—Atomic Number	(3)—Reportable Quantity (RQ) Ci (TBq)
Indium-117	49	1000 (37)	Mendelevium-258	101	1 (.037)	Polonium-210	84	0.01 (.00037)
Indium-117m	49	100 (3.7)	Mercury-193	80	100 (3.7)	Potassium-40	19	1 (.037)
Indium-119m	49	1000 (37)	Mercury-193m	80	10 (.37)	Potassium-42	19	100 (3.7)
Iodine-120	53	10 (.37)	Mercury-194	80	0.1 (.0037)	Potassium-43	19	10 (.37)
Iodine-120m	53	100 (3.7)	Mercury-195	80	100 (3.7)	Potassium-44	19	100 (3.7)
Iodine-121	53	100 (3.7)	Mercury-195m	80	100 (3.7)	Potassium-45	19	1000 (37)
Iodine-123	53	10 (.37)	Mercury-197	80	1000 (37)	Praseodymium-136	59	1000 (37)
Iodine-124	53	0.1 (.0037)	Mercury-197m	80	1000 (37)	Praseodymium-137	59	1000 (37)
Iodine-125	53	0.01 (.00037)	Mercury-199m	80	1000 (37)	Praseodymium-138m	59	100 (3.7)
Iodine-126	53	0.01 (.00037)	Mercury-203	80	10 (.37)	Praseodymium-139	59	1000 (37)
Iodine-128	53	1000 (37)	Molybdenum-101	42	1000 (37)	Praseodymium-142	59	100 (3.7)
Iodine-129	53	0.001 (.000037)	Molybdenum-90	42	100 (3.7)	Praseodymium-142m	59	1000 (37)
Iodine-130	53	1 (.037)	Molybdenum-93	42	100 (3.7)	Praseodymium-143	59	10 (.37)
Iodine-131	53	0.01 (.00037)	Molybdenum-93m	42	10 (.37)	Praseodymium-144	59	1000 (37)
Iodine-132	53	10 (.37)	Molybdenum-99	42	100 (3.7)	Praseodymium-145	59	1000 (37)
Iodine-132m	53	10 (.37)	Neodymium-136	60	1000 (37)	Praseodymium-147	59	1000 (37)
Iodine-133	53	0.1 (.0037)	Neodymium-138	60	1000 (37)	Promethium-141	61	1000 (37)
Iodine-134	53	100 (3.7)	Neodymium-139	60	1000 (37)	Promethium-143	61	100 (3.7)
Iodine-135	53	10 (.37)	Neodymium-139m	60	100 (3.7)	Promethium-144	61	10 (.37)
Iridium-182	77	1000 (37)	Neodymium-141	60	1000 (37)	Promethium-145	61	100 (3.7)
Iridium-184	77	100 (3.7)	Neodymium-147	60	10 (.37)	Promethium-146	61	10 (.37)
Iridium-185	77	100 (3.7)	Neodymium-149	60	100 (3.7)	Promethium-147	61	10 (.37)
Iridium-186	77	10 (.37)	Neodymium-151	60	1000 (37)	Promethium-148	61	10 (.37)
Iridium-187	77	100 (3.7)	Neptunium-232	93	1000 (37)	Promethium-148m	61	10 (.37)
Iridium-188	77	10 (.37)	Neptunium-233	93	1000 (37)	Promethium-149	61	100 (3.7)
Iridium-189	77	100 (3.7)	Neptunium-234	93	10 (.37)	Promethium-150	61	100 (3.7)
Iridium-190	77	10 (.37)	Neptunium-235	93	1000 (37)	Promethium-151	61	100 (3.7)
Iridium-190m	77	1000 (37)	Neptunium-236 (1.2 E 5 yr)	93	0.1 (.0037)	Protactinium-227	91	100 (3.7)
Iridium-192	77	10 (.37)	Neptunium-236 (22.5 hr)	93	100 (3.7)	Protactinium-228	91	10 (.37)
Iridium-192m	77	100 (3.7)	Neptunium-237	93	0.01 (.00037)	Protactinium-230	91	10 (.37)
Iridium-194	77	100 (3.7)	Neptunium-238	93	10 (.37)	Protactinium-231	91	0.01 (.00037)
Iridium-194m	77	10 (.37)	Neptunium-239	93	100 (3.7)	Protactinium-232	91	10 (.37)
Iridium-195	77	1000 (37)	Neptunium-240	93	100 (3.7)	Protactinium-233	91	100 (3.7)
Iridium-195m	77	100 (3.7)	Nickel-56	28	10 (.37)	Protactinium-234	91	10 (.37)
Iron-52	26	100 (3.7)	Nickel-57	28	10 (.37)	RADIONUCLIDES \$ †		1 (.037)
Iron-55	26	100 (3.7)	Nickel-59	28	100 (3.7)	Radium-223	88	1 (.037)
Iron-59	26	10 (.37)	Nickel-63	28	100 (3.7)	Radium-224	88	10 (.37)
Iron-60	26	0.1 (.0037)	Nickel-65	28	100 (3.7)	Radium-225	88	1 (.037)
Krypton-74	36	10 (.37)	Nickel-66	28	10 (.37)	Radium-226**	88	0.1 (.0037)
Krypton-76	36	10 (.37)	Niobium-88	41	100 (3.7)	Radium-227	88	1000 (37)
Krypton-77	36	10 (.37)	Niobium-89 (122 min)	41	100 (3.7)	Radium-228	88	0.1 (.0037)
Krypton-79	36	100 (3.7)	Niobium-89 (66 min)	41	100 (3.7)	Radon-220	86	0.1 (.0037)
Krypton-81	36	1000 (37)	Niobium-90	41	10 (.37)	Radon-222	86	0.1 (.0037)
Krypton-83m	36	1000 (37)	Niobium-93m	41	100 (3.7)	Rhenium-177	75	1000 (37)
Krypton-85	36	1000 (3.7)	Niobium-94	41	10 (.37)	Rhenium-178	75	1000 (37)
Krypton-85m	36	100 (3.7)	Niobium-95	41	10 (.37)	Rhenium-181	75	100 (3.7)
Krypton-87	36	10 (.37)	Niobium-95m	41	100 (3.7)	Rhenium-182 (12.7 hr)	75	10 (.37)
Krypton-88	36	10 (.37)	Niobium-96	41	10 (.37)	Rhenium-182 (64.0 hr)	75	10 (.37)
Lanthanum-131	57	1000 (37)	Niobium-97	41	100 (3.7)	Rhenium-184	75	10 (.37)
Lanthanum-132	57	100 (3.7)	Niobium-98	41	1000 (37)	Rhenium-184m	75	10 (.37)
Lanthanum-135	57	1000 (37)	Osmium-180	76	1000 (37)	Rhenium-186	75	100 (3.7)
Lanthanum-137	57	10 (.37)	Osmium-181	76	100 (3.7)	Rhenium-186m	75	10 (.37)
Lanthanum-138	57	1 (.037)	Osmium-182	76	100 (3.7)	Rhenium-187	75	1000 (37)
Lanthanum-140	57	10 (.37)	Osmium-185	76	100 (3.7)	Rhenium-188	75	1000 (37)
Lanthanum-141	57	1000 (37)	Osmium-189m	76	1000 (37)	Rhenium-188m	75	1000 (37)
Lanthanum-142	57	100 (3.7)	Osmium-191	76	100 (3.7)	Rhenium-189	75	1000 (37)
Lanthanum-143	57	1000 (37)	Osmium-191m	76	1000 (37)	Rhodium-100	45	10 (.37)
Lead-195m	82	1000 (37)	Osmium-193	76	100 (3.7)	Rhodium-101	45	10 (.37)
Lead-198	82	100 (3.7)	Osmium-194	76	1 (.037)	Rhodium-101m	45	100 (3.7)
Lead-199	82	100 (3.7)	Palladium-100	46	100 (3.7)	Rhodium-102	45	10 (.37)
Lead-200	82	100 (3.7)	Palladium-101	46	100 (3.7)	Rhodium-102m	45	10 (.37)
Lead-201	82	100 (3.7)	Palladium-103	46	100 (3.7)	Rhodium-103m	45	1000 (37)
Lead-202	82	1 (.037)	Palladium-107	46	100 (3.7)	Rhodium-105	45	100 (3.7)
Lead-202m	82	10 (.37)	Palladium-109	46	1000 (37)	Rhodium-106m	45	10 (.37)
Lead-203	82	100 (3.7)	Phosphorus-32	15	0.1 (.0037)	Rhodium-107	45	1000 (37)
Lead-205	82	100 (3.7)	Phosphorus-33	15	1 (.037)	Rhodium-99	45	10 (.37)
Lead-209	82	1000 (37)	Platinum-186	78	100 (3.7)	Rhodium-99m	45	100 (3.7)
Lead-210	82	0.01 (.00037)	Platinum-188	78	100 (3.7)	Rubidium-79	37	1000 (37)
Lead-211	82	100 (3.7)	Platinum-189	78	100 (3.7)	Rubidium-81	37	100 (3.7)
Lead-212	82	10 (.37)	Platinum-191	78	100 (3.7)	Rubidium-81m	37	1000 (37)
Lead-214	82	100 (3.7)	Platinum-193	78	1000 (37)	Rubidium-82m	37	10 (.37)
Lutetium-169	71	10 (.37)	Platinum-193m	78	100 (3.7)	Rubidium-83	37	10 (.37)
Lutetium-170	71	10 (.37)	Platinum-195m	78	100 (3.7)	Rubidium-84	37	10 (.37)
Lutetium-171	71	10 (.37)	Platinum-197	78	1000 (37)	Rubidium-86	37	10 (.37)
Lutetium-172	71	10 (.37)	Platinum-197m	78	1000 (37)	Rubidium-87	37	10 (.37)
Lutetium-173	71	100 (3.7)	Platinum-199	78	1000 (37)	Rubidium-88	37	1000 (37)
Lutetium-174	71	10 (.37)	Platinum-200	78	100 (3.7)	Rubidium-89	37	1000 (37)
Lutetium-174m	71	10 (.37)	Plutonium-203	84	100 (3.7)	Ruthenium-103	44	10 (.37)
Lutetium-176	71	1 (.037)	Plutonium-205	84	100 (3.7)	Ruthenium-105	44	100 (3.7)
Lutetium-176m	71	1000 (37)	Plutonium-207	84	10 (.37)	Ruthenium-106	44	1 (.037)
Lutetium-177	71	100 (3.7)				Ruthenium-94	44	1000 (37)
Lutetium-177m	71	10 (.37)				Ruthenium-97	44	100 (3.7)
Lutetium-178	71	1000 (37)				Samarium-141	62	1000 (37)
Lutetium-178m	71	1000 (37)				Samarium-141m	62	1000 (37)
Lutetium-179	71	1000 (37)				Samarium-142	62	1000 (37)
Magnesium-28	12	10 (.37)				Samarium-145	62	100 (3.7)
Manganese-51	25	1000 (37)				Samarium-146	62	0.01 (.00037)
Manganese-52	25	10 (.37)				Samarium-147	62	0.01 (.00037)
Manganese-52m	25	1000 (37)				Samarium-151	62	10 (.37)
Manganese-53	25	1000 (37)				Samarium-153	62	100 (3.7)
Manganese-54	25	10 (.37)				Samarium-155	62	1000 (37)
Manganese-56	25	100 (3.7)				Samarium-156	62	100 (3.7)
Mendelevium-257	101	100 (3.7)				Scandium-43	21	1000 (37)

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Scandium-44	21	100 (3.7)	Tellurium-123	52	10 (.37)	Tungsten-178	74	100 (3.7)
Scandium-44m	21	10 (.37)	Tellurium-123m	52	10 (.37)	Tungsten-179	74	1000 (37)
Scandium-46	21	10 (.37)	Tellurium-125m	52	10 (.37)	Tungsten-181	74	100 (3.7)
Scandium-47	21	100 (3.7)	Tellurium-127	52	1000 (37)	Tungsten-185	74	10 (.37)
Scandium-48	21	10 (.37)	Tellurium-127m	52	10 (.37)	Tungsten-187	74	100 (3.7)
Scandium-49	21	1000 (37)	Tellurium-129	52	1000 (37)	Tungsten-188	74	10 (.37)
Selenium-70	34	1000 (37)	Tellurium-129m	52	10 (.37)	Uranium (Depleted)	92	***
Selenium-73	34	10 (.37)	Tellurium-131	52	1000 (37)	Uranium (Irradiated)	92	***
Selenium-73m	34	100 (3.7)	Tellurium-131m	52	10 (.37)	Uranium (Natural)	92	**
Selenium-75	34	10 (.37)	Tellurium-132	52	10 (.37)	Uranium enriched 20% or greater	92	***
Selenium-79	34	10 (.37)	Tellurium-133	52	1000 (37)	Uranium enriched less than 20%	92	***
Selenium-81	34	1000 (37)	Tellurium-133m	52	1000 (37)	Uranium-230	92	1 (.037)
Selenium-81m	34	1000 (37)	Tellurium-134	52	1000 (37)	Uranium-231	92	1000 (37)
Selenium-83	34	1000 (37)	Terbium-147	65	100 (3.7)	Uranium-232	92	0.01 (.00037)
Silicon-31	14	1000 (37)	Terbium-149	65	100 (3.7)	Uranium-233	92	0.1 (.0037)
Silicon-32	14	1 (.037)	Terbium-150	65	100 (3.7)	Uranium-234**	92	0.1 (.0037)
Silver-102	47	100 (3.7)	Terbium-151	65	10 (.37)	Uranium-235**	92	0.1 (.0037)
Silver-103	47	1000 (37)	Terbium-153	65	100 (3.7)	Uranium-236	92	0.1 (.0037)
Silver-104	47	1000 (37)	Terbium-154	65	10 (.37)	Uranium-237	92	100 (3.7)
Silver-104m	47	1000 (37)	Terbium-155	65	100 (3.7)	Uranium-238**	92	0.1 (.0037)
Silver-105	47	10 (.37)	Terbium-156	65	10 (.37)	Uranium-239	92	1000 (37)
Silver-106	47	1000 (37)	Terbium-156m (24.4 hr)	65	1000 (37)	Uranium-240	92	1000 (37)
Silver-106m	47	10 (.37)	Terbium-156m (5.0 hr)	65	1000 (37)	Vanadium-47	23	1000 (37)
Silver-108m	47	10 (.37)	Terbium-157	65	100 (3.7)	Vanadium-48	23	10 (.37)
Silver-110m	47	10 (.37)	Terbium-158	65	10 (.37)	Vanadium-49	23	1000 (37)
Silver-111	47	10 (.37)	Terbium-160	65	10 (.37)	Xenon-120	54	100 (3.7)
Silver-112	47	100 (3.7)	Terbium-161	65	100 (3.7)	Xenon-121	54	10 (.37)
Silver-115	47	1000 (37)	Thallium-194	81	1000 (37)	Xenon-122	54	100 (3.7)
Sodium-22	11	10 (.37)	Thallium-194m	81	100 (3.7)	Xenon-123	54	10 (.37)
Sodium-24	11	10 (.37)	Thallium-195	81	100 (3.7)	Xenon-125	54	100 (3.7)
Strontium-80	38	100 (3.7)	Thallium-197	81	100 (3.7)	Xenon-127	54	100 (3.7)
Strontium-81	38	1000 (37)	Thallium-198	81	10 (.37)	Xenon-129m	54	1000 (37)
Strontium-83	38	100 (3.7)	Thallium-198m	81	100 (3.7)	Xenon-131m	54	1000 (37)
Strontium-85	38	10 (.37)	Thallium-199	81	100 (3.7)	Xenon-133	54	1000 (37)
Strontium-85m	38	1000 (37)	Thallium-200	81	10 (.37)	Xenon-135	54	1000 (37)
Strontium-87m	38	100 (3.7)	Thallium-201	81	1000 (37)	Xenon-135m	54	100 (3.7)
Strontium-89	38	10 (.37)	Thallium-202	81	10 (.37)	Xenon-138	54	10 (.37)
Strontium-90	38	0.1 (.0037)	Thallium-204	81	10 (.37)	Ytterbium-162	70	1000 (37)
Strontium-91	38	10 (.37)	Thorium (Irradiated)	90	***	Ytterbium-166	70	10 (.37)
Strontium-92	38	100 (3.7)	Thorium (Natural)	90	**	Ytterbium-167	70	1000 (37)
Sulfur-35	16	1 (.037)	Thorium-226	90	100 (3.7)	Ytterbium-169	70	10 (.37)
Tantalum-172	73	100 (3.7)	Thorium-227	90	1 (.037)	Ytterbium-175	70	100 (3.7)
Tantalum-173	73	100 (3.7)	Thorium-228	90	0.01 (.00037)	Ytterbium-177	70	1000 (37)
Tantalum-174	73	100 (3.7)	Thorium-229	90	0.001 (.000037)	Ytterbium-178	70	1000 (37)
Tantalum-175	73	100 (3.7)	Thorium-230	90	0.01 (.00037)	Yttrium-86	39	10 (.37)
Tantalum-176	73	10 (.37)	Thorium-231	90	100 (3.7)	Yttrium-86m	39	1000 (37)
Tantalum-177	73	1000 (37)	Thorium-232**	90	0.001 (.000037)	Yttrium-87	39	10 (.37)
Tantalum-178	73	1000 (37)	Thorium-234	90	100 (3.7)	Yttrium-88	39	10 (.37)
Tantalum-179	73	1000 (37)	Thulium-162	69	1000 (37)	Yttrium-90	39	10 (.37)
Tantalum-180	73	100 (3.7)	Thulium-166	69	10 (.37)	Yttrium-90m	39	100 (3.7)
Tantalum-180m	73	1000 (37)	Thulium-167	69	100 (3.7)	Yttrium-91	39	10 (.37)
Tantalum-182	73	10 (.37)	Thulium-170	69	10 (.37)	Yttrium-91m	39	1000 (37)
Tantalum-182m	73	1000 (37)	Thulium-171	69	100 (3.7)	Yttrium-92	39	100 (3.7)
Tantalum-183	73	100 (3.7)	Thulium-172	69	100 (3.7)	Yttrium-93	39	100 (3.7)
Tantalum-184	73	10 (.37)	Thulium-173	69	100 (3.7)	Yttrium-94	39	1000 (37)
Tantalum-185	73	1000 (37)	Thulium-175	69	1000 (37)	Yttrium-95	39	1000 (37)
Tantalum-186	73	1000 (37)	Tin-110	50	100 (3.7)	Zinc-62	30	100 (3.7)
Technetium-101	43	1000 (37)	Tin-111	50	1000 (37)	Zinc-63	30	1000 (37)
Technetium-104	43	1000 (37)	Tin-113	50	10 (.37)	Zinc-65	30	10 (.37)
Technetium-93	43	100 (3.7)	Tin-117m	50	100 (3.7)	Zinc-69	30	1000 (37)
Technetium-93m	43	1000 (37)	Tin-119m	50	10 (.37)	Zinc-69m	30	100 (3.7)
Technetium-94	43	10 (.37)	Tin-121	50	1000 (37)	Zinc-71m	30	100 (3.7)
Technetium-94m	43	100 (3.7)	Tin-121m	50	10 (.37)	Zinc-72	30	100 (3.7)
Technetium-96	43	10 (.37)	Tin-123	50	10 (.37)	Zirconium-86	40	100 (3.7)
Technetium-96m	43	1000 (37)	Tin-123m	50	1000 (37)	Zirconium-88	40	10 (.37)
Technetium-97	43	100 (3.7)	Tin-125	50	10 (.37)	Zirconium-89	40	100 (3.7)
Technetium-97m	43	100 (3.7)	Tin-126	50	1 (.037)	Zirconium-93	40	1 (.037)
Technetium-98	43	10 (.37)	Tin-127	50	100 (3.7)	Zirconium-95	40	10 (.37)
Technetium-99	43	10 (.37)	Tin-128	50	1000 (37)	Zirconium-97	40	10 (.37)
Technetium-99m	43	100 (3.7)	Titanium-44	22	1 (.037)			
Tellurium-116	52	1000 (37)	Titanium-45	22	1000 (37)			
Tellurium-121	52	10 (.37)	Tungsten-176	74	1000 (37)			
Tellurium-121m	52	10 (.37)	Tungsten-177	74	100 (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 6 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' daughter (0.052 curie); and natural thorium in secular equilibrium with its' daughters (0.011 curie).

*** Indicates that the name was added by RSPA because it appears in the list of radionuclides in 49 CFR 173.435. The reportable quantity (RQ), if not specifically listed elsewhere in this Appendix, shall be determined in accordance with the procedures in Paragraph 6 of this Appendix.

Appendix B to §172.101 List of Marine Pollutants

1. This appendix list potential marine pollutants as defined in §171.8 of this subchapter.

2. If a marine pollutant meets the definition of any hazard class or division as defined in this subchapter, other than Class 9, the class of the material must be determined in accordance with §173.2a of this subchapter.

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 not listed in this appendix meets the criteria for a marine pollutant, as provided in the General Introduction of the IMDG Code, Guidelines for the Identification of Harmful Substances in Packaged Form, the material may be transported as a marine pollutant in accordance with the applicable requirements of this subchapter.

5. If approved by the Associate Administrator for Hazardous Materials Safety, a material listed in this appendix which does not meet the criteria for a marine pollutant, as provided in the General Introduction of the IMDG Code, Guidelines for the Identification of Harmful Substances in Packaged Form, is excepted from the requirements of this subchapter as a marine pollutant.

S.M.P. Marine Pollutant

(1)	(2)
	Acetal
	Acetaldehyde
	Acetone cyanohydrin, stabilized
	Acetylene tetrabromide
	Acetylene tetrachloride
	Acraldehyde, inhibited
	Acrolein, inhibited
	Acrylic aldehyde, inhibited
	Alcohol C-12 - C-15 poly(1-3) ethoxylate
	Alcohol C-13 - C-15 poly(1-6) ethoxylate
	Alcohol C-6 - C-17 (secondary)poly(3-6) ethoxylate
PP	Aldicarb
	Aldrin
	Alkyl (C12-C14) dimethylamine
	Alkyl (C7-C9) nitrates
	Alkyl (C10-C21) sulphonic acid ester of phenol
	Alkylphenols, liquid, n.o.s. (<i>including C2-C8 homologues</i>)
	Alkylphenols, solid, n.o.s. (<i>including C2-C8 homologues</i>)
	Allyl bromide
	ortho-Aminoanisole
	Aminocarb
	Ammonium dinitro-o-cresolate
	Amyl mercaptans
	n-Amylbenzene
	ortho-Anisidines
PP	Anisole
	Azinphos-ethyl
	Azinphos-methyl
	Barium compounds, soluble, n.o.s.
	Barium cyanide
	Bendiocarb
	Benomyl
	Benquinox
	Benzaldehyde
	Benzyl chlorocarbonate
	Benzyl chloroformate
PP	Binapacryl
	<i>N,N-Bis (2-hydroxyethyl) oleamide (LOA)</i>
PP	Brodifacoum
	Bromine cyanide
	Bromoacetone
	Bromoallylene
	Bromobenzene
	ortho-Bromobenzyl cyanide
	Bromocyane
	Bromoform
PP	Bromophos-ethyl
	3-Bromopropene
	Bromoxynil
	Butanedione
	2-Butenal, inhibited
	Butyl benzenes

	Butyl benzenyl phthalate
	n-Butyl butyrate
	Butyl mercaptans
	<i>N-tert-butyl-N-cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine</i>
	Butylphenols, liquid
	Butylphenols, solid
	para-tertiary-butyltoluene
	Butyraldehyde
PP	Cadmium compounds
	Cadmium sulphide
	Cadmium compounds
	Cadmium sulphide
	Calcium arsenate
	Calcium arsenate and calcium arsenite, mixtures, solid
	Calcium cyanide
	Calcium naphthenate
PP	Camphochlor
	Camphor oil
	Carbaryl
	Carbendazim
	Carbofuran
	Carbon tetrabromide
	Carbon tetrachloride
PP	Carbophenothion
	Cartap hydrochloride
PP	Chlordane
	Chlorfenvinphos
PP	Chlorinated paraffins (C10 - C13)
	Chlorine
	Chlorine cyanide, inhibited
	Chlormephos
	2-Chloro-6-nitrotoluene
	4-Chloro-2-nitrotoluene
	Chloro-ortho-nitrotoluene
	2-Chloro-5-trifluoromethylnitrobenzene
	Chloroacetone, stabilized
	para-Chlorobenzyl chloride, liquid or solid
	Chlorodinitrobenzenes
	1-Chloroheptane
	1-Chlorohexane
	Chloronitroanilines
	Chloronitrotoluenes, <i>liquid</i>
	Chloronitrotoluenes, <i>solid</i>
	1-Chlorooctane
PP	Chlorophenates, liquid
PP	Chlorophenates, solid
	Chlorophenols, liquid
	Chlorophenols, solid
	Chlorophenyltrichlorosilane
	Chlorotoluenes
PP	Chlorpyrifos
PP	Chlorthiophos
	Coal tar
	Coal tar naphtha
	Cocculus
	Coconitrile
	Copper acetoarsenite
	Copper arsenite
	Copper chloride
PP	Copper chloride (solution)
PP	Copper cyanide
PP	Copper metal powder
	Coumachlor
PP	Coumaphos
	Creosote (coal tar)
	Creosote (wood tar)
	Cresols (<i>o</i> -; <i>m</i> -; <i>p</i> -)
PP	Cresyl diphenyl phosphate
	Cresylic acid
	Cresylic acid sodium salt
	Crotonaldehyde, inhibited
	Crotonic aldehyde
	Crotoxyphos
	Cumene
	Cupric arsenite
	Cupric chloride

PP	Cupric cyanide		Diphacinone
PP	Cupric sulfate		Diphenyl
	Cupriethylenediamine solution		Diphenyl ether
	Cuprous chloride		Diphenyl ether/biphenyl phenyl ether mixtures
	Cyanide mixtures		Diphenyl oxide
	Cyanide solutions		Diphenyl oxide and biphenyl phenyl ether mixtures
	Cyanides, inorganic, n.o.s.	PP	Diphenylamine chlorarsine
	Cyanogen bromide	PP	Diphenylchloroarsine, solid <i>or</i> liquid
	Cyanogen chloride, inhibited		Diphenyl/diphenyl ether (mixtures)
	Cyanophos		Disulfoton
PP	1,5,9-Cyclododecatriene		DNOC
PP	Cyhexatin		DNOC (pesticide)
PP	Cymenes (o-;m-;p-)		Dodecyl diphenyl oxide disulphonate
PP	Cypermethrin		Dodecyl hydroxypropyl sulfide
	2,4-D		1-Dodecylamine
PP	DDT	PP	Dodecylphenol
	<i>normal</i> -Decaldehyde		Drazoxolon
	<i>normal</i> -Decanol		Edifenphos
	Decyl acrylate	PP	Endosulfan
	Decyloxytetrahydrothiophene dioxide	PP	Endrin
	DEF		Epibromohydrin
	Di-allate		Epichlorohydrin
	Di-n-Butyl phthalate	PP	EPN
	Di- <i>normal</i> -butyl ketone		EPTC (ISO)
	1,4-Di-tert-butylbenzene	PP	Esfenvalerate
	2,4-Di-tert-butylphenol	PP	Ethion
	2,6-Di-tert-butylphenol		Ethoprophos
PP	Dialifos		Ethyl acrylate, inhibited
	4,4'-Diaminodiphenylmethane		Ethyl chlorothioformate
PP	Diazinon		Ethyl fluid
	1,3-Dibromobenzene		Ethyl mercaptan
PP	Dichlofenthion		1-Ethyl-2-methylbenzene
	Dichloroanilines		5-Ethyl-2-picoline
	1,3-Dichlorobenzene		Ethyl propenoate, inhibited
	1,2-Dichlorobenzene		2-Ethyl-3-propylacrolein
	1,4-Dichlorobenzene		Ethyl tetraphosphate
	Dichlorobenzene (meta; ortho; para)		2-Ethylbutyraldehyde
	2,2-Dichlorodiethyl ether	PP	Ethylchloroarsine
	Dichloroethyl ether		Ethylene dibromide and methyl bromide mixtures, liquid
	1,1-Dichloroethylene, inhibited		2-Ethylhexaldehyde
	1,6-Dichlorohexane		2-Ethylhexenal
	Dichlorophenols, liquid		2-Ethylhexyl nitrate
	Dichlorophenols solid		Fenaminphos
	2,4-Dichlorophenoxyacetic acid (<i>see also</i> 2,4D)	PP	Fenbutatin oxide
	2,4-Dichlorophenoxyacetic, acid diethanolamine salt	PP	Fenitrothion
	2,4-Dichlorophenoxyacetic acid dimethylamine salt	PP	Fenpropathrin
	2,4-Dichlorophenoxyacetic acid trisopropylamine salt		Fensulfothion
	Dichlorophenyltrichlorosilane	PP	Fenthion
PP	Dichlorvos	PP	Fentin acetate
	Dicrotophos	PP	Fentin hydroxide
PP	Dieldrin		Ferric arsenate
	Diethylbenzenes (mixed isomers)		Ferric arsenite
	Diisopropylbenzenes		Ferrous arsenate
	Diisopropyl-naphthalene	PP	Fonofos
PP	Dimethoate		Formetanate
	Dimethyl disulphide		Furathiocarb (ISO)
	Dimethyl glyoxal (butanedione)	PP	gamma-BHC
	Dimethyl sulphide		Gasoline, leaded
	Dimethylhydrazine, symmetrical	PP	Heptachlor
	Dimethylhydrazine, unsymmetrical		Heptenophos
	Dimethylphenols, liquid or solid	PP	<i>normal</i> -Heptyl aldehyde
	Dinitro-o-cresol, <i>solid</i>		<i>normal</i> -Heptyl chloride
	Dinitro-o-cresol, <i>solution</i>		n-Heptylbenzene
	Dinitrochlorobenzenes, liquid or solid	PP	Hexachlorobutadiene
	Dinitrophenol, <i>dry or wetted with less than 15% water, by mass</i>	PP	1,3-Hexachlorobutadiene
	Dinitrophenol solutions		2,4-Hexadiene aldehyde
	Dinitrophenol, wetted <i>with not less than 15% water, by mass</i>		Hexaethyl tetraphosphate, <i>liquid</i>
	Dinitrophenolates, <i>alkali metals, dry or wetted with less than 15% water, by mass</i>		Hexaethyl tetraphosphate, <i>solid</i>
	Dinitrophenolates, wetted <i>with not less than 15% water, by mass</i>		<i>normal</i> -Hexaldehyde
	Dinobuton		<i>normal</i> -Hexyl chloride
	Dinoseb		n-Hexylbenzene
	Dinoseb acetate		Hydrocyanic acid, anhydrous, stabilized
	Dioxacarb		Hydrocyanic acid, anhydrous, stabilized, absorbed in a porous inert material
	Dioxathion		Hydrocyanic acid, aqueous solutions <i>not more than 20% hydrocyanic acid</i>
	Dipentene		

	Hydrogen cyanide solution in alcohol, <i>with not more than 45% hydrogen cyanide</i>	PP	Mercurous nitrate
	Hydrogen cyanide, stabilized <i>with less than 3% water</i>	PP	Mercurous salicylate
	Hydrogen cyanide, stabilized <i>with less than 3% water and absorbed in a porous inert material</i>	PP	Mercurous sulphate
	Hydroxydimethylbenzenes, liquid or solid	PP	Mercury acetates
	Ioxynil	PP	Mercury ammonium chloride
	Iron oxide, spent	PP	Mercury based pesticides, liquid, flammable, toxic, n.o.s.
	Iron sponge, spent	PP	Mercury based pesticides, liquid, toxic, flammable, n.o.s.
	Isoamyl mercaptan	PP	Mercury based pesticides, liquid, toxic, n.o.s.
	Isobenzan	PP	Mercury based pesticides, solid, toxic, n.o.s.
	Isobutyl propionate	PP	Mercury benzoate
	Isobutyl isobutyrate	PP	Mercury bichloride
	Isobutyl butyrate	PP	Mercury bisulphates
	Isobutylbenzene	PP	Mercury bromides
	Isodecaldehyde	PP	Mercury compounds, liquid, n.o.s.
	Isodecanol	PP	Mercury compounds, solid, n.o.s.
	Isodecyl acrylate	PP	Mercury cyanide
	Isodecyl diphenyl phosphate	PP	Mercury gluconate
	Isfenphos	PP	Mercury (I) (mercurous) compounds (pesticides)
	Isononanol	PP	Mercury (II) (mercuric) compounds (pesticides)
	Isooctanol		Mercury iodide
	Isooctyl nitrate	PP	Mercury nucleate
	Isoproc carb	PP	Mercury oleate
	Isopropenyl chloride	PP	Mercury oxide
	Isopropenylbenzene	PP	Mercury oxycyanide, desensitized
	Isopropyl chloride	PP	Mercury potassium cyanide
	Isopropylbenzene	PP	Mercury potassium iodide
	Isotetramethylbenzene	PP	Mercury salicylate
	Isovaleraldehyde	PP	Mercury sulfates
PP	Isoxathion	PP	Mercury thiocyanate
	Lead acetate		Metam-sodium
	Lead arsenates		Methamidophos
	Lead arsenites		Methanethiol
	Lead compounds, soluble, n.o.s.		Methidathion
	Lead cyanide		Methomyl
	Lead nitrate		ortho-Methoxyaniline
	Lead perchlorate, solid or solution		Methyl bromide and ethylene dibromide mixtures, liquid
	Lead tetraethyl		1-Methyl-2-ethylbenzene
	Lead tetramethyl		1-Methyl-4-ethylbenzene
PP	Lindane		2-Methyl-5-ethylpyridine
	London Purple		Methyl mercaptan
	Magnesium arsenate		2-Methyl-2-phenylpropane
	Malathion		Methyl salicylate
	Mancozeb (ISO)		3-Methylacroleine, inhibited
	Maneb <i>or</i> Maneb preparations <i>with not less than 60% maneb</i>		2-Methylbutyraldehyde
	Maneb stabilized <i>or</i> Maneb preparations, stabilized <i>against self-heating</i>		Methylchlorobenzenes
	Manganese ethylene-1,2-bis-dithiocarbamate		Methylnaphthalenes, liquid
	Manganese ethylene-1,2-bis-dithiocarbamate, stabilized against self-heating		Methylnaphthalenes, solid
	Mephosfolan		Methylnitrophenols
	Mercaptodimethur		3-Methylpyradine
	Mercarbam		alpha-Methylstyrene
PP	Mercuric acetate		Methylstyrenes, inhibited
PP	Mercuric ammonium chloride		Methyltrithion
PP	Mercuric arsenate		Methylvinylbenzenes, inhibited
PP	Mercuric benzoate	PP	Mevinphos
PP	Mercuric bisulphate		Mexacarbate
PP	Mercuric bromide		Mirex
PP	Mercuric chloride		Monocrotophos
PP	Mercuric cyanide		Motor fuel anti-knock mixtures
PP	Mercuric gluconate		Motor fuel anti-knock mixtures or compounds
	Mercuric iodide		Nabam
PP	Mercuric nitrate		Naled
PP	Mercuric oleate		Naphthalene, crude <i>or</i> refined
PP	Mercuric oxide		Naphthalene, molten
PP	Mercuric oxycyanide, desensitized		Naphthenic acids, liquid
PP	Mercuric potassium cyanide		Naphthenic acids, solid
PP	Mercuric Sulphate	PP	Nickel carbonyl
PP	Mercuric thiocyanate	PP	Nickel cyanide
PP	Mercuriol	PP	Nickel tetracarbonyl
PP	Mercurous acetate		3-Nitro-4-chlorobenzotrifluoride
PP	Mercurous bisuphate		Nitrobenzene
PP	Mercurous bromide		Nitrobenzotrifluorides
PP	Mercurous chloride		Nitrocresols
			Nitrotoluenes (o-; m-; p-)
			Nitroxylenes, (o-; m-; p-)
			1-Nonanal
			1-Nonanol

	Nonylphenol		Silver cyanide
	<i>normal</i> -Octaldehyde	PP	Silver orthoarsenite
	1-Octanol	PP	Sodium copper cyanide, solid
	Oleylamine	PP	Sodium copper cyanide solution
PP	Organotin compounds, liquid, n.o.s.	PP	Sodium cuprocyanide, solid
PP	Organotin compounds (pesticides)	PP	Sodium cuprocyanide, solution
PP	Organotin compounds, solid, n.o.s.		Sodium cyanide
PP	Organotin pesticides, liquid, flammable, toxic, n.o.s., <i>flash point less than 23°C</i>		Sodium dinitro-o-cresolate, <i>dry or wetted with less than 15% water, by mass</i>
PP	Organotin pesticides, liquid, toxic, flammable, n.o.s.		Sodium dinitro-ortho-cresolate, <i>wetted with not less than 15% water, by mass</i>
PP	Organotin pesticides, liquid, toxic, n.o.s.	PP	Sodium pentachlorophenate
	Orthoarsenic acid		Strontium arsenite
	Osmium tetroxide		Strychnine or Strychnine salts
	Oxamyl		Styrene monomer, inhibited
	Oxydisulfoton		Sulfotep
	Paraoxon	PP	Sulprophos
PP	Parathion		Sym-Dichloroethyl ether
PP	Parathion-methyl		Tallow nitrite
PP	PCBs***		Temephos
	Pentachloroethane		TEPP
PP	Pentachlorophenol	PP	Terbufos
	Pentalin		Tetrabromoethane
	Pentanethiols		Tetrabromomethane
	n-Pentylbenzene		Tetrachloroethane
	Perchloroethylene		Tetrachloroethylene
	Perchloromethylmercaptan		Tetrachloromethane
	Petrol, leaded		Tetrachlorophenol
PP	Phenarsazine chloride	PP	Tetrachlorovinphos
	d-Phenothrin		Tetraethyl dithiopyrophosphate
PP	Phenthoate	PP	Tetraethyl lead, liquid
	1-Phenylbutane		Tetramethrin
	2-Phenylbutane		Tetramethylbenzenes
	Phenylcyclohexane		Tetramethyllead
	Phenylethylene, inhibited		Thallium chlorate
PP	Phenylmercuric acetate		Thallium compounds, n.o.s.
PP	Phenylmercuric compounds, n.o.s.		Thallium compounds (pesticides)
PP	Phenylmercuric hydroxide		Thallium nitrate
PP	Phenylmercuric nitrate		Thallium sulfate
	2-Phenylpropene		Thalious chlorate
PP	Phorate		4-Thiapentanal
PP	Phosalone		Thiocarbonyl tetrachloride
	Phosmet		Triaryl phosphates, isopropylated
PP	Phosphamidon	PP	Triaryl phosphates, n.o.s.
PP	Phosphorus, white <i>or</i> yellow <i>dry or</i> under water <i>or</i> in solution		Triazophos
PP	Phosphorus white, <i>or</i> yellow, molten		Tribromomethane
	Pindone (and salts of)	PP	Tributyltin compounds
	alpha-Pinene		Trichlorfon
	Pirimicarb		Trichlorobenzenes, liquid
PP	Pirimiphos-ethyl		Trichlorobutene
PP	Polychlorinated biphenyls		Trichlorobutylene
PP	Polyhalogenated biphenyls, liquid <i>or</i> Terphenyls, liquid		Trichloromethane sulphuryl chloride
PP	Polyhalogenated biphenyls, solid <i>or</i> Terphenyls, solid		Trichloromethyl sulphochloride
PP	Potassium cuprocyanide		Trichloronat
	Potassium cyanide		Tricresyl phosphate (less than 1% ortho-isomer)
PP	Potassium cyanocuprate I	PP	Tricresyl phosphate (not less than 1% ortho-isomer)
PP	Potassium cyanomercurate	PP	Tricresyl phosphate <i>with more than 3% ortho isomer</i>
PP	Potassium mercuric iodide		Triethylbenzene
	Promecarb		Triisopropylated phenyl phosphates
	Propachlor		Trimethylene dichloride
	Propanethiols		1,2,3-Trimethylbenzene
	Propaphos		1,2,4-Trimethylbenzene
	Propenal, inhibited		1,3,5-Trimethylbenzene
	Propionaldehyde		Triphenylphosphate
	Propoxur	PP	Triphenyltin compounds
	n-Propylbenzene		Tritolyl phosphate (less than 1% ortho-isomer)
	Prothoate	PP	Tritolyl phosphate (not less than 1% ortho-isomer)
	Prussic acid, anhydrous, stabilized		Trixylenyl phosphate
	Prussic acid, anhydrous, stabilized, absorbed in a porous inert material		Turpentine
PP	Pyrazophos		1-Undecanol
	Quinalphos		<i>normal</i> -Valeraldehyde
PP	Quizalofop		Vinylbenzene, inhibited
PP	Quizalofop-p-ethyl		Vinylidene chloride, inhibited
	Rotenone		Vinyltoluenes, inhibited <i>mixed isomers</i>
	Salithion		Warfarin (and salts of)
	Silver arsenite	PP	White phosphorus, dry

PP	White phosphorus, molten
PP	White phosphorus, wet
	White spirit, low (15-20%) aromatic
	Xylenols
PP	Yellow phosphorus, dry
PP	Yellow phosphorus, molten
PP	Yellow phosphorus, wet
	Zinc bromide
	Zinc cyanide

§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 IM portable tanks.

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

(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 IM portable tanks.

(8) A code containing the letter “W” refers to a special provision which 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 inhalation hazard under the provisions of this subchapter.
- 3 This material is poisonous by inhalation (see §171.8 of this subchapter) in Hazard Zone C (see §173.116(a) of this subchapter), and must be described as an inhalation hazard under the provisions of this subchapter.
- 4 This material is poisonous by inhalation (see §171.8 of this subchapter) in Hazard Zone D (see §173.116(a) of this subchapter), and must be described as an inhalation hazard under the provisions of this subchapter.
- 5 If this material meets the definition for a material poisonous by inhalation (see §171.8 of this subchapter), a shipping name must be selected which identifies the inhalation hazard, in Division 2.3 or Division 6.1, as appropriate.
- 6 This material is poisonous-by-inhalation and must be described as an inhalation hazard under the provisions of this subchapter.
- 7 An ammonium nitrate fertilizer is a fertilizer formulation, containing 90% or more ammonium nitrate and no more than 0.2% organic combustible material (calculated as carbon), which does not meet the

definition and criteria of a Class 1 (explosive) material (See §173.50 of this subchapter).

- 8 A hazardous substance that is not a hazardous waste may be shipped under the shipping description “Other regulated substances, liquid *or* solid, n.o.s.”, as appropriate. In addition, for solid materials, special provision B54 applies.
- 9 Packaging for certain PCBs for disposal and storage is prescribed by EPA in 40 CFR 761.60 and 761.65.
- 10 An ammonium nitrate mixed fertilizer is a fertilizer formulation, containing less than 90% ammonium nitrate and other ingredients, which does not meet the definition and criteria of a Class 1 (explosive) material (See §173.50 of this subchapter).
- 11 The hazardous material must be packaged as either a liquid or a solid, as appropriate, depending on its physical form at 55°C (131°F) at atmospheric pressure.
- 12 In concentrations greater than 40 percent, this material has strong oxidizing properties and is capable of starting fires in contact with combustible materials. If appropriate, a package containing this material must conform to the additional labeling requirements of §172.402 of this subchapter.
- 13 The words “Inhalation Hazard” shall be entered on each shipping paper in association with the shipping description, shall be marked on each non-bulk package in association with the proper shipping name and identification number, and shall be marked on two opposing sides of each bulk package. Size of marking on bulk package must conform to §172.302(b) of this subchapter. The requirements of §§172.203(m) and 172.505 of this subchapter do not apply.
- 14 Motor fuel antiknock mixtures are: Mixtures of one or more organic lead mixtures (such as tetraethyl lead, triethylmethyl lead, diethyldimethyl lead, ethyltrimethyl lead, and tetramethyl lead) with one or more halogen compounds (such as ethylene dibromide and ethylene dichloride) hydrocarbon solvents or other equally efficient stabilizers; or tetraethyl lead.
- 15 Chemical kits and first aid kits are boxes, cases, etc., containing small amounts of various compatible dangerous goods which are used for medical, analytical, or testing purposes and for which exceptions are provided in this subchapter. For transportation by aircraft, any hazardous materials forbidden in passenger aircraft may not be included in these kits. Inner packagings may not exceed 250 mL for liquids or 250 g for solids and must be protected from other materials in the kit. The total quantity of hazardous materials in any one kit may not exceed either 1 L or 1 kg. The packing group assigned to the kit as a whole must be the most stringent packing group assigned to any individual substance contained in the kit. Kits must be packed in wooden boxes (4C1, 4C2), plywood boxes (4D), reconstituted wood boxes (4F), fiberboard boxes (4G) or plastic boxes (4H1, 4H2); these packagings must meet the requirements appropriate to the packing group assigned to the kit as a whole. The total quantity of hazardous materials in any one package may not exceed either 10 L or 10 kg. Kits which are carried on board transport vehicles for first-aid or operating purposes are not subject to the requirements of this subchapter.
- 16 This description applies to smokeless powder and other solid propellants that are used as powder for small arms and have been classed as Division 1.3 and 4.1 in accordance with 173.56 of this subchapter.
- 17 Aqueous solutions of hydrogen peroxide containing less than 8 percent hydrogen peroxide are not subject to the requirements of this subchapter.
- 18 This description is authorized only for fire extinguishers listed in §173.309(b) of this subchapter meeting the following conditions:
 - a. Each fire extinguisher may only have extinguishing contents that are nonflammable, non-poisonous, non-corrosive and commercially free from corroding components.
 - b. Each fire extinguisher must be charged with a nonflammable, non-poisonous, dry gas that has a dew-point at or below minus 46.7°C (minus 52°F) at 101kPa (1 atmosphere) and is free of corroding components, to not more than the service pressure of the cylinder.
 - c. A fire extinguisher may not contain more than 30% carbon dioxide by volume or any other corrosive extinguishing agent.
 - d. Each fire extinguisher must be protected externally by suitable corrosion-resisting coating.
- 19 For domestic transportation only, the identification number “UN1075” may be used in place of the identification number specified in Column (4) of the §172.101 Table. The identification number used must be consistent on package markings, shipping papers and emergency response information.

20 The transport of this substance, when in concentrations of greater than 10% nitroglycerin, is prohibited. Concentrations of below 5% nitroglycerin may be transported as a Class 3 material; see UN 1204 and UN 3064.

21 This material must be stabilized by appropriate means (e.g., addition of chemical inhibitor, purging to remove oxygen) to prevent dangerous polymerization (see §173.21(f) of this subchapter).

22 If the hazardous material is in dispersion in organic liquid, the organic liquid must have a flash point above 50°C (122°F).

23 This material may be transported under the provisions of Division 4.1 only if it is so packed that the percentage of diluent will not fall below that stated in the shipping description at any time during transport. Quantities of not more than 500 g per package with not less than 10% water by mass may also be classed in Division 4.1, provided a negative test result is obtained when tested in accordance with test series 6(c) of the UN Manual of Tests and Criteria.

24 Alcoholic beverages containing more than 70 percent alcohol by volume must be transported as materials in Packing Group II. Alcoholic beverages containing more than 24 percent but not more than 70 percent alcohol by volume must be transported as materials in Packing Group III.

25 Until October 1, 1997, this material may be transported or offered for transportation in a packaging authorized under the regulations in effect on September 30, 1996.

26 This entry does not include ammonium permanganate, the transport of which is prohibited except when approved by the Associate Administrator for Hazardous Materials Safety.

27 Sodium carbonate peroxyhydrate is considered non-hazardous.

28 The dihydrated sodium salt of dichloroisocyanuric acid is not subject to the requirements of this subchapter.

29 Lithium cells and batteries and equipment containing or packed with lithium cells and batteries which do not comply with the provisions of §173.185 of this subchapter may be transported only if they are approved by the Associate Administrator for Hazardous Materials Safety.

30 Sulfur is not subject to the requirements of this subchapter if transported in a non-bulk packaging or if formed to a specific shape (e.g., prills, granules, pellets, pastilles, or flakes).

31 Materials which have undergone sufficient heat treatment to render them non-hazardous are not subject to the requirements of this subchapter.

32 Polymeric beads and molding compounds may be made from polystyrene, poly(methyl methacrylate) or other polymeric material.

33 Ammonium nitrites and mixtures of an inorganic nitrite with an ammonium salt are prohibited.

34 The commercial grade of calcium nitrate fertilizer, when consisting mainly of a double salt (calcium nitrate and ammonium nitrate) containing not more than 10 percent ammonium nitrate and at least 12 percent water of crystallization, is not subject to the requirements of this subchapter.

35 Antimony sulphides and oxides which do not contain more than 0.5 percent of arsenic calculated on the total mass are do not meet the definition of Division 6.1.

36 The maximum net quantity per package is 5 liters (1 gallon) or 5 kg (11 pounds).

37 Unless it can be demonstrated by testing that the sensitivity of the substance in its frozen state is no greater than in its liquid state, the substance must remain liquid during normal transport conditions. It must not freeze at temperatures above -15°C (5°F).

38 If this material shows a violent effect in laboratory tests involving heating under confinement, the labeling requirements of Special Provision 53 apply, and the material must be packaged in accordance with packing method OP6 in §173.225 of this subchapter. If the SADT of the technically pure substance is higher than 75°C, the technically pure substance and formulations derived from it are not self-reactive materials and, if not meeting any other hazard class, are not subject to the requirements of this subchapter.

39 This substance may be carried under provisions other than those of Class 1 only if it is so packed that the percentage of water will not fall below that stated at any time during transport. When phlegmatized with water and inorganic inert material, the content of urea nitrate must not exceed 75 percent by mass and the mixture should not be capable of being detonated by test 1(a)(i) or test 1(a)(ii) in the UN Recommendations Tests and Criteria.

43 The nitrogen content of the nitrocellulose must not exceed 11.5 percent. Each single filter sheet must be packed between sheets of glazed

paper. The portion of glazed paper between the filter sheets must not be less than 65 percent, by mass. The membrane filters/paper arrangement must not be liable to propagate a detonation as tested by one of the tests described in the UN Recommendations, Tests and Criteria, Part I, Test series 1 (a). Packagings should be so constructed that explosion is not possible by reason of increased internal pressure. The formulation must be prepared so that it remains homogeneous and does not separate during transport. Formulations with low nitrocellulose contents and neither showing dangerous properties when tested for their ability to detonate, deflagrate or explode when heated under defined confinement by the appropriate test methods and criteria in the UN Recommendations, Tests and Criteria, nor being a flammable solid when tested in accordance with Appendix E to Part 173 of this subchapter (chips, if necessary, crushed and sieved to a particle size of less than 1.25 mm) are not subject to this subchapter.

44 This material must be packed in accordance with packing method OP6 (see §173.225 of this subchapter). During transport, it must be protected from direct sunshine and stored (or kept) in a cool and well-ventilated place, away from all sources of heat.

47 Mixtures of solids which are not subject to this subchapter and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each packaging must correspond to a design type that has passed a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets containing less than 10 ml of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to this subchapter provided there is no free liquid in the packet.

48 Mixtures of solids which are not subject to this subchapter and toxic liquids may be transported under this entry without first applying the classification criteria of Division 6.1, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each packaging must correspond to a design type that has passed a leakproofness test at the Packing Group II level. This entry may not be used for solids containing a Packing Group I liquid.

49 Mixtures of solids which are not subject to this subchapter and corrosive liquids may be transported under this entry without first applying the classification criteria of Class 8, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each packaging must correspond to a design type that has passed a leakproofness test at the Packing Group II level.

50 Cases, cartridge, empty with primer which are made of metallic or plastic casings and meeting the classification criteria of Division 1.4 are not regulated for domestic transportation.

51 This description applies to items previously described as "Toy propellant devices, Class C" and includes reloadable kits. Model rocket motors containing 30 grams or less propellant are classed as Division 1.4S and items containing more than 30 grams of propellant but not more than 62.5 grams of propellant are classed as Division 1.4C.

52 Ammonium nitrate fertilizers may not meet the definition and criteria of Class 1 (explosive) material (see §173.50 of this subchapter).

53 Packages of these materials must bear the subsidiary risk label, "EXPLOSIVE", unless otherwise provided in this subchapter or through an approval issued by the Associate Administrator for Hazardous Materials Safety, or the competent authority of the country of origin. A copy of the approval shall accompany the shipping papers.

54 Maneb or manebe preparations not meeting the definition of Division 4.3 or any other hazard class are not subject to the requirements of this subchapter when transported by motor vehicle, rail car, or aircraft.

55 This device must be approved in accordance with §173.56 of this subchapter by the Associate Administrator for Hazardous Materials Safety.

56 A means to interrupt and prevent detonation of the detonator from initiating the detonating cord must be installed between each electric detonator and the detonating cord ends of the jet perforating guns before the charged jet perforating guns are offered for transportation.

57 Maneb or Manebe preparations stabilized against self-heating need not be classified in Division 4.2 when it can be demonstrated by testing that a volume of 1 m³ of substance does not self-ignite and that the temperature at the center of the sample does not exceed 200°C, when the sample is maintained at a temperature of not less than 75°C ±2°C for a period of 24 hours, in accordance with procedures set forth for testing self-heating materials in the UN Manual of Tests and Criteria.

58	Aqueous solutions of Division 5.1 inorganic solid nitrate substances are considered as not meeting the criteria of Division 5.1 if the concentration of the substances in solution at the minimum temperature encountered in transport is not greater than 80% of the saturation limit.	
59	Ferrocium, stabilized against corrosion, with a minimum iron content of 10% is not subject to the requirements of this subchapter.	
60	After September 30, 1997, an oxygen generator, chemical, that is shipped with its means of initiation attached must incorporate at least two positive means of preventing unintentional actuation of the generator, and be classed and approved by the Associate Administrator for Hazardous Materials Safety. The procedures for approval of a chemical oxygen generator that contains an explosive means of initiation (e.g., a primer or electric match) are specified in §173.56 of this subchapter. Each person who offers a chemical oxygen generator for transportation after September 30, 1997, shall: (1) ensure that it is offered in conformance with the conditions of the approval; (2) maintain a copy of the approval at each facility where the chemical oxygen generator is packaged; and (3) mark the approval number on the outside of the package.	
64	The group of alkali metals includes lithium, sodium, potassium, rubidium, and caesium.	
65	The group of alkaline earth metals includes magnesium, calcium, strontium, and barium.	
66	Formulations of these substances containing not less than 30% non-volatile, non-flammable phlegmatizer are not subject to this subchapter.	
70	Black powder that has been classed in accordance with the requirements of §173.56 of this subchapter may be reclassified and offered for domestic transportation as a Division 4.1 material if it is offered for transportation and transported in accordance with the limitations and packaging requirements of §173.170 of this subchapter.	
74	During transport, this material must be protected from direct sunshine and stored or kept in a cool and well-ventilated place, away from all sources of heat.	
77	For domestic transportation, a Division 5.1 subsidiary risk label is required only if a carbon dioxide and oxygen mixture contains more than 23.5% oxygen.	
81	Polychlorinated biphenyl items, as defined in 40 CFR 761.3, for which specification packagings are impractical, may be packaged in non-specification packagings meeting the general packaging requirements of subparts A and B or part 173 of this subchapter. Alternatively, the item itself may be used as a packaging if it meets the general packaging requirements of subparts A and B of part 173 of this subchapter.	
101	The name of the particular substance or article must be specified.	
102	The ends of the detonating cord must be tied fast so that the explosive cannot escape. The articles may be transported as in Division 1.4 Compatibility Group D (1.4D) if all of the conditions specified in §173.63(a) of this subchapter are met.	
103	Detonators which will not mass detonate and undergo only limited propagation in the shipping package may be assigned to 1.4B classification code. Mass detonate means that more than 90 percent of the devices tested in a package explode practically simultaneously. Limited propagation means that if one detonator near the center of a shipping package is exploded, the aggregate weight of explosives, excluding ignition and delay charges, in this and all additional detonators in the outside packaging that explode may not exceed 25 grams.	
104	Detonators which meet the following conditions may be assigned to 1.4S classification code: Each detonator may contain no more than 1 g of explosive, excluding ignition and delay charges, and if one detonator near the center of a package detonates it will not cause functioning of any other device in the same or adjacent packages.	
105	The word "Agents" may be used instead of "Explosives" when approved by the Associate Administrator for Hazardous Materials Safety.	
106	The recognized name of the particular explosive may be specified in addition to the type.	
107	The classification of the substance is expected to vary especially with the particle size and packaging but the border lines have not been experimentally determined; appropriate classifications should be verified following the test procedures in §§173.57 and 173.58 of this subchapter.	
108	Fireworks must be so constructed and packaged that loose pyrotechnic composition will not be present in packages during transportation.	
109	Rocket motors must be nonpropulsive in transportation unless approved in accordance with §173.56 of this subchapter. A rocket motor	
	to be considered "nonpropulsive" must be capable of unrestrained burning and must not appreciably move in any direction when ignited by any means.	
110	Cartridges containing 3.2 grams or less of deflagrating (propellant) explosives installed in a fire extinguisher are not subject to the requirements of this subchapter.	
111	Explosive substances of Division 1.1 Compatibility Group A (1.1A) are forbidden for transportation if dry or not desensitized, unless incorporated in a device.	
113	The sample must be given a tentative approval by an agency or laboratory in accordance with §173.56 of this subchapter.	
114	Jet perforating guns, charged, oil well, without detonator may be reclassified to Division 1.4 Compatibility Group D (1.4D) if the following conditions are met:	
	a. The total weight of the explosive contents of the shaped charges assembled in the guns does not exceed 90.5 kg (200 pounds) per vehicle; and	
	b. The guns are packaged in accordance with Packing Method US006 as specified in §173.62 of this subchapter.	
115	Boosters with detonator, detonator assemblies and boosters with detonators in which the total explosive charge per unit does not exceed 25 g, and which will not mass detonate and undergo only limited propagation in the shipping package may be assigned to 1.4B classification code. Mass detonate means more than 90 percent of the devices tested in a package explode practically simultaneously. Limited propagation means that if one booster near the center of the package is exploded, the aggregate weight of explosives, excluding ignition and delay charges, in this and all additional boosters in the outside packaging that explode may not exceed 25 g.	
116	Fuzes, detonating may be classed in Division 1.4 if the fuzes do not contain more than 25 g of explosive per fuze and are made and packaged so that they will not cause functioning of other fuzes, explosives or other explosive devices if one of the fuzes detonates in a shipping packaging or in adjacent packages.	
117	If shipment of the explosive substance is to take place at a time that freezing weather is anticipated, the water contained in the explosive substance must be mixed with denatured alcohol so that freezing will not occur.	
118	This substance may not be transported under the provisions of Division 4.1 unless specifically authorized by the Associate Administrator for Hazardous Materials Safety.	
119	This substance, when in quantities of not more than 11.5 kg (25.3 pounds), with not less than 10% water, by mass, also may be classed in Division 4.1, provided a negative test result is obtained when tested in accordance with test series 6(c) of the UN Manual of Tests and Criteria.	
120	The phlegmatized substance must be significantly less sensitive than dry PETN.	
121	This substance, when containing less alcohol, water or phlegmatizer than specified, may not be transported unless approved by the Associate Administrator for Hazardous Materials Safety.	
123	Any explosives, blasting, type C containing chlorates must be segregated from explosives containing ammonium nitrate or other ammonium salts.	
125	Lactose or glucose or similar materials may be used as a phlegmatizer provided that the substance contains not less than 90%, by mass, of phlegmatizer. These mixtures may be classified in Division 4.1 when tested in accordance with test series 6(c) of the UN Manual of Tests and Criteria and approved by the Associate Administrator for Hazardous Materials Safety. Testing must be conducted on at least three packages as prepared for transport. Mixtures containing at least 90%, by mass, of phlegmatizer are not subject to the requirements of this subchapter. Packages containing mixtures with not less than 98% by mass, of phlegmatizer need not bear a POISON subsidiary risk label.	
127	Mixtures containing oxidizing and organic materials transported under this entry may not meet the definition and criteria of a Class 1 material. (See §173.50 of this subchapter.)	
128	Regardless of the provisions of §172.101(c)(12), aluminum smelting by-products and aluminum remelting by-products described under this entry, meeting the definition of Class 8, Packing Group II and III may be classed as a Division 4.3 material and transported under this entry. The presence of a Class 8 hazard must be communicated as required by this Part for subsidiary hazards.	

(2) "A" codes. These provisions apply only to transportation by aircraft:
Code/Special Provisions

- A1 Single packagings are not permitted on passenger aircraft.
- A2 Single packagings are not permitted on aircraft.
- A3 For combination packagings, if glass inner packagings (including ampoules) are used, they must be packed with absorbent material in tightly closed metal receptacles before packing in outer packagings.
- A4 Liquids having an inhalation toxicity of Packing Group I are not permitted on aircraft.
- A5 Solids having an inhalation toxicity of Packing Group I are not permitted on passenger aircraft and may not exceed a maximum net quantity per package of 15 kg (33 pounds) on cargo aircraft.
- A6 For combination packagings, if plastic inner packagings are used, they must be packed in tightly closed metal receptacles before packing in outer packagings.
- A7 Steel packagings must be corrosion-resistant or have protection against corrosion.
- A8 For combination packagings, if glass inner packagings (including ampoules) are used, they must be packed with cushioning material in tightly closed metal receptacles before packing in outer packagings.
- A9 For combination packagings, if plastic bags are used, they must be packed in tightly closed metal receptacles before packing in outer packagings.
- A10 When aluminum or aluminum alloy construction materials are used, they must be resistant to corrosion.
- A11 For combination packagings, when metal inner packagings are permitted, only specification cylinders constructed of metals which are compatible with the hazardous material may be used.
- A13 Non-bulk packagings conforming to §173.197 of this subchapter not exceeding 16 kilograms (35 pounds) gross mass containing only used sharps are permitted for transportation by aircraft. Maximum liquid content in each inner packaging may not exceed 50 milliliters (1.7 ounces).
- A14 Non-bulk packagings of regulated medical waste conforming to §173.197 of this subchapter not exceeding 16 kilograms (35 pounds) gross mass for solid waste or 12 liters (3 gallons) total volume for liquid waste may be transported by passenger and cargo aircraft when means of transportation other than air are impracticable or not available.
- A19 Combination packagings consisting of outer fiber drums or plywood drums, with inner plastic packagings, are not authorized for transportation by aircraft.
- A20 Plastic bags as inner receptacles of combination packagings are not authorized for transportation by aircraft.
- A29 Combination packagings consisting of outer expanded plastic boxes with inner plastic bags are not authorized for transportation by aircraft.
- A30 Ammonium permanganate is not authorized for transportation on aircraft.
- A34 Aerosols containing a corrosive liquid in Packing Group II charged with a gas are not permitted for transportation by aircraft.
- A37 This entry applies only to a material meeting the definition in §171.8 of this subchapter for self-defense spray.
- A51 When transported by cargo-only aircraft, an oxygen generator must conform to the provisions of an approval issued under Special Provision 60 and be contained in a packaging prepared and originally offered for transportation by the approval holder.

(3) "B" codes. These provisions apply only to bulk packagings:
Code/Special Provisions

- B1 If the material has a flash point at or above 38°C (100°F) and below 93°C (200°F), then the bulk packaging requirements of §173.241 of this subchapter are applicable. If the material has a flash point of less than 38°C (100°F), then the bulk packaging requirements of §173.242 of this subchapter are applicable.
- B2 MC 300, MC 301, MC 302, MC 303, MC 305, MC 306 and DOT 406 cargo tanks are not authorized.
- B3 MC 300, MC 301, MC 302, MC 303, MC 305, MC 306 and DOT 406 cargo tanks and DOT 57 portable tanks are not authorized.
- B4 MC 300, MC 301, MC 302, MC 303, MC 305, MC 306 and DOT 406 cargo tanks are not authorized.
- B5 Only ammonium nitrate solutions with 35% or less water that will remain completely in solution under all conditions of transport at a maximum lading temperature of 116°C (240°F) are authorized for transport in the following bulk packagings: MC 307, MC 312, DOT 407 and DOT 412 cargo tanks with at least 172 kPa (25 psig) design pressure. The packaging shall be designed for a working temperature

of at least 121°C (250°F). Only Specifications MC 304, MC 307 or DOT 407 cargo tank motor vehicles are authorized for transportation by vessel.

- B6 Packagings shall be made of steel.
- B7 Safety relief devices are not authorized on multi-unit tank car tanks. Openings for safety relief devices shall be plugged or blank flanged.
- B8 Packagings shall be made of nickel, stainless steel, or steel with nickel, stainless steel, lead or other suitable corrosion resistant metallic lining.
- B9 Bottom outlets are not authorized.
- B10 MC 300, MC 301, MC 302, MC 303, MC 305, MC 306 and DOT 406 cargo tanks, and DOT 57 portable tanks are not authorized.
- B11 Tank car tanks must have a test pressure of at least 2,068.5 kPa (300 psi). Cargo and portable tanks must have a design pressure of at least 1,207 kPa (175 psig).
- B13 A nonspecification cargo tank motor vehicle authorized in §173.247 of this subchapter must be at least equivalent in design and in construction to a DOT 406 cargo tank or MC 306 cargo tank (if constructed before August 31, 1995), except as follows:
- a. Packagings equivalent to MC 306 cargo tanks are excepted from §§178.340-10, certification; 178.341-4, vents; and 178.341-5, emergency flow control.
- b. Packagings equivalent to DOT 406 cargo tanks are excepted from §§178.345-7(d)(5), circumferential reinforcements; 178.345-14, marking; 178.345-15, certification; 178.346-10, pressure relief; and 178.346-11, outlets.
- c. Packagings are excepted from the design stress limits at elevated temperatures, as described in the ASME Code. However, the design stress limits may not exceed 25% of the stress, as specified in the Aluminum Association's "Aluminum Standards and Data" (7th Edition June 1982), for 0 temper at the maximum design temperature of the cargo tank.
- B14 Each bulk packaging, except a tank car or a multi-unit-tank car tank, must be insulated with an insulating material so that the overall thermal conductance at 15.5°C (60°F) is not more than 1.5333 kilojoules per hour per square meter per degree Celsius (0.075 Btu per hour per square foot per degree Fahrenheit) temperature differential. Insulating materials must not promote corrosion to steel when wet. Notwithstanding the requirements in §171.14(b)(4)(ii) of this subchapter, compliance with this provision is delayed under October 1, 1994, for a bulk packaging containing a material poisonous by inhalation which, when in contact with moisture, becomes highly corrosive to the tank and could cause a degree of corrosion under an insulation blanket that would have an adverse effect on tank integrity.
- B15 Packagings must be protected with non-metallic linings impervious to the lading or have a suitable corrosion allowance.
- B16 The lading must be completely covered with nitrogen, inert gas or other inert materials.
- B18 Open steel hoppers or bins are authorized.
- B23 Tanks must be made of steel that is rubber lined or unlined. Unlined tanks must be passivated before being placed in service. If unlined tanks are washed out with water, they must be repassivated prior to return to service. Lading in unlined tanks must be inhibited so that the corrosive effect on steel is not greater than that of hydrofluoric acid of 65 percent concentration.
- B25 Packagings must be made from monel or nickel or monel-lined or nickel-lined steel.
- B26 Tanks must be insulated. Insulation must be at least 100 mm (3.9 inches) except that the insulation thickness may be reduced to 51 mm (2 inches) over the exterior heater coils. Interior heating coils are not authorized. The packaging may not be loaded with a material outside of the packaging's design temperature range. In addition, the material also must be covered with an inert gas or the container must be filled with water to the tank's capacity. After unloading, the residual material also must be covered with an inert gas or the container must be filled with water to the tank's capacity.
- B27 Tanks must have a service pressure of 1,034 kPa (150 psig). Tank car tanks must have a test pressure rating of 1,379 kPa (200 psi). Lading must be blanketed at all times with a dry inert gas at a pressure not to exceed 103 kPa (15 psig).
- B28 Packagings must be made of stainless steel.
- B30 MC 312, MC 330, MC 331 and DOT 412 cargo tanks and DOT 51 portable tanks must be made of stainless steel, except that steel other than stainless steel may be used in accordance with the provisions of §173.24b(b) of this subchapter. Thickness of stainless steel for tank shell and heads for cargo tanks and portable tanks must be the

greater of 7.62 mm (0.300 inch) or the thickness required for a tank with a design pressure at least equal to 1.5 times the vapor pressure of the lading at 46°C (115°F). In addition, MC 312 and DOT 412 corgotank motor vehicles must:

- a. Be ASME Code (U) stamped for 100% radiography of all pressure-retaining welds;
- b. Have accident damage protection which conforms with §178.345-8 of this subchapter;
- c. Have a MAWP or design pressure of at least 87 psig; and
- d. Have a bolted manway cover.

B32 MC 312, MC 330, MC 331, DOT 412 cargo tanks and DOT 51 portable tanks must be made of stainless steel, except that steel other than stainless steel may be used in accordance with the provisions of §173.24b(b) of this subchapter. Thickness of stainless steel for tank shell and heads for cargo tanks and portable tanks must be the greater of 6.35 mm (0.250 inch) or the thickness required for a tank with a design pressure at least equal to 1.3 times the vapor pressure of the lading at 46°C (115°F). In addition, MC 312 and DOT 412 cargo tank motor vehicles must:

- a. Be ASME Code (U) stamped for 100% radiography of all pressure-retaining welds;
- b. Have accident damage protection which conforms with §178.345-8 of this subchapter;
- c. Have a MAWP or design pressure of at least 87 psig; and
- d. Have a bolted manway cover.

B33 MC 300, MC 301, MC 302, MC 303, MC 305, MC 306, and DOT 406 cargo tanks equipped with a 1 psig normal vent used to transport gasoline must conform to Table 1 of this Special Provision. Based on the volatility class determined by using ASTM D439 and the Reid vapor pressure (RVP) of the particular gasoline, the maximum lading pressure and maximum ambient temperature permitted during the loading of gasoline may not exceed that listed in Table I.

Table I — Maximum Ambient Temperature — Gasoline

ASTM D439 volatility class	Maximum lading and ambient temperature (see note 1)
A (RVP≤9.0 psia)	131°F
B (RVP≤10.0 psia)	124°F
C (RVP≤11.5 psia)	116°F
D (RVP≤13.5 psia)	107°F
E (RVP≤15.0 psia)	100°F

Note 1: Based on maximum lading pressure of 1 psig at top of cargo tank.

B35 Tank cars containing hydrogen cyanide may be alternatively marked “Hydrocyanic acid, liquefied” if otherwise conforming to marking requirements in subpart D of this part. Tank cars marked “HYDROCYANIC ACID” prior to October 1, 1991 do not need to be remarked.

B37 The amount of nitric oxide charged into any tank car tank may not exceed 1,379 kPa (200 psig) at 21°C (70°F).

B42 Tank cars must have a test pressure of 34.47 Bar (500 psig) or greater and conform to Class 105J. Each tank car must have a safety relief device having a start-to-discharge pressure of 10.34 Bar (150 psig). The tank car specification may be marked to indicate a test pressure of 13.79 Bar (200 psig).

B44 All parts of valves and safety relief devices in contact with lading must be of a material which will not cause formation of acetylides.

B45 Safety relief valves must be equipped with stainless steel or platinum frangible discs approved by the AAR Committee on Tank Cars.

B46 The detachable protective housing for the loading and unloading valves of multi-unit tank car tanks must withstand tank test pressure and must be approved by the Associate Administrator for Hazardous Materials Safety.

B47 A safety relief device with a start-to-discharge pressure setting of 310 kPa (45 psig) is permitted.

B48 Portable tanks in sodium metal service may be visually inspected at least once every 5 years instead of being retested hydrostatically. Date of the visual inspection must be stenciled on the tank near the other required markings.

B49 Tanks equipped with interior heater coils are not authorized. Single

unit tank car tanks must have a safety relief valve set at no more than 1551 kPa (225 psig).

B50 Each valve outlet of a multi-unit tank car tank must be sealed by a threaded solid plug or a threaded cap with inert luting or gasket material. Valves must be of stainless steel and the caps, plugs, and valve seats must be of a material that will not deteriorate as a result of contact with the lading.

B52 Notwithstanding the provisions of §173.24b of this subchapter, nonreclosing pressure relief devices are authorized on DOT 57 portable tanks.

B53 Except for IBCs, packagings must be made of either aluminum or steel.

B54 Open-top, sift-proof rail cars are also authorized.

B55 Water-tight, sift-proof, closed-top, metal-covered hopper cars, equipped with a venting arrangement (including flame arrestors) approved by the Associate Administrator for Hazardous Materials Safety are also authorized.

B56 Water-tight, sift-proof, closed-top, metal-covered hopper cars are also authorized if the particle size of the hazardous material is not less than 149 microns.

B57 Class 115A tank car tanks used to transport chloroprene must be equipped with a safety vent of a diameter not less than 305 mm (12 inches) with a maximum rupture disc pressure of 45 psi.

B59 Water-tight, sift-proof, closed-top, metal-covered hopper cars are also authorized provided that the lading is covered with a nitrogen blanket.

B60 DOT Specification 106A500X multi-unit tank car tanks that are not equipped with a safety relief device of any type are authorized. For the transportation of phosgene, the outage must be sufficient to prevent tanks from becoming liquid full at 55°C (130°F).

B61 Written procedures covering details of tank car appurtenances, dome fittings, safety devices, and marking, loading, handling, inspection, and testing practices must be approved by the Associate Administrator for Hazardous Materials Safety before any single unit tank car tank is offered for transportation.

B64 Each single unit tank car tank built after December 31, 1990 must be equipped with a tank bead puncture resistance system that conforms to §179.16 of this subchapter.

B65 Tank cars must have a test pressure of 34.47 Bar (500 psig) or greater and conform to Class 105A. Each tank car must have a pressure relief device having a start-to-discharge pressure of 15.51 Bar (225 psig). The tank car specification may be marked to indicate a test pressure of 20.68 Bar (300 psig).

B66 Each tank must be equipped with gas tight valve protection caps. Outage must be sufficient to prevent tanks from becoming liquid full at 55°C (130°F). Specification 110A500W tanks must be stainless steel.

B67 All valves and fittings must be protected by a securely attached cover made of metal not subject to deterioration by the lading, and all valve openings, except safety valve, must be fitted with screw plugs or caps to prevent leakage in the event of valve failure.

B68 Sodium must be in a molten condition when loaded and allowed to solidify before shipment. Outage must be at least 5 percent at 98°C (208°F). Bulk packagings must have exterior heating coils fusion welded to the tank shell which have been properly stress relieved. The only tank car tanks authorized are Class DOT 105 tank cars having a test pressure of 2,069 kPa (300 psig) or greater.

B69 Dry sodium cyanide or potassium cyanide may be shipped in sift-proof weather-resistant metal covered hopper cars or non-specification bins. Bins must be approved by the Associate Administrator for Hazardous Materials Safety. Flexible intermediate bulk containers (FIBCs) may also be used under conditions approved by the Associate Administrator for Hazardous Materials Safety.

B70 If DOT 103ANW tank car tank is used: All cast metal in contact with the lading must have 96.7 percent nickel content; and the lading must be anhydrous and free from any impurities.

B71 Tank cars must have a test pressure of 20.68 Bar (300 psig) or greater and conform to Class 105, 112, 114 or 120.

B72 Tank cars must have a test pressure of 34.47 Bar (500 psig) or greater and conform to Class 105J, 106, or 110.

B74 Tank cars must have a test pressure of 20.68 Bar (300 psig) or greater and conform to Class 105S, 106, 110, 112J, 114J or 120S.

B76 Tank cars must have a test pressure of 20.68 Bar (300 psig) or greater and conform to Class 105S, 112J, 114J or 120S. Each tank car must have a safety relief device having a start-to-discharge pressure of 10.34 Bar (150 psig). The tank car specification may be marked to indicate a test pressure of 13.79 Bar (200 psig).

- B77 Other packaging are authorized when approved by the Associate Administrator for Hazardous Materials Safety.
- B78 Tank cars must have a test pressure of 4.14 Bar (60 psig) or greater and conform to Class 103, 104, 105, 109, 111, 112, 114 or 120. Heater pipes must be of welded construction designed for a test pressure of 500 pounds per square inch. A 25 mm (1 inch) woven lining of asbestos or other approved material must be placed between the bolster slabbing and the bottom of the tank. If a tank car tank is equipped with a safety vent of the frangible disc type, the frangible disc must be perforated with a 3.2 mm (0.13 inch) diameter hole. If a tank car tank is equipped with a safety relief valve, the tank car tank must also be equipped with vacuum relief valve.
- B80 Each cargo tank must have a minimum design pressure of 276 kPa (40 psig).
- B81 Venting and pressure relief devices for tank car tanks and cargo tanks must be approved by the Associate Administrator for Hazardous Materials Safety.
- B82 Cargo tanks and portable tanks are not authorized.
- B83 Bottom outlets are prohibited on tank car tanks transporting sulfuric acid in concentrations over 65.25 percent.
- B84 Packagings must be protected with non-metallic linings impervious to the lading or have a suitable corrosion allowance for sulfuric acid or spent sulfuric acid in concentration up to 65.25 percent.
- B85 Cargo tanks must be marked with the name of the lading in accordance with the requirements of §172.302(b).
- B90 Steel tanks conforming or equivalent to ASME specifications which contain solid or semisolid residual motor fuel antiknock mixture (including rust, scale, or other contaminants) may be shipped by rail freight or highway. The tank must have been designed and constructed to be capable of withstanding full vacuum. All openings must be closed with gasketed blank flanges or vapor tight threaded closures.
- B100 Intermediate bulk containers are not authorized.
- B101 Authorized only in metal intermediate bulk containers.
- B103 If an intermediate bulk container is used, the package must be transported in a closed freight container or transport vehicle.
- B104 Intermediate bulk containers must be provided with a device to allow venting during transport. The inlet to the pressure relief valve must communicate with the vapor space of the packaging and lading during transport.
- B105 Authorized only in rigid intermediate bulk containers.
- B106 Authorized in intermediate bulk containers that are vapor tight.
- B108 Authorized in sift-proof, water-resistant flexible, fiberboard or wooden intermediate bulk containers; packed in a closed transport vehicle.
- B109 Not authorized in flexible intermediate bulk containers.
- B110 This material also may be packaged in IBCs authorized in 173.242(d) of this subchapter.
- B115 Rail cars, highway trailers, roll-on/roll-off bins, or other non-specification bulk packagings are authorized. Packagings must be sift-proof, prevent liquid water from reaching the hazardous material, and be provided with sufficient venting to preclude dangerous accumulation of flammable, corrosive, or toxic gaseous emissions such as methane, hydrogen, and ammonia. The material must be loaded dry.

(4) “H” codes. These provisions apply only to transportation by highway. [Reserved]

(5) “N” codes. These provisions apply only to non-bulk packagings:

Code/Special Provisions

- N3 Glass inner packagings are permitted in combination or composite packagings only if the hazardous material is free from hydrofluoric acid.
- N4 For combination or composite packagings, glass inner packagings, other than ampoules, are not permitted.
- N5 Glass materials of construction are not authorized for any part of a packaging which is normally in contact with the hazardous material.
- N6 Battery fluid packaged with electric storage batteries, wet or dry, must conform to the packaging provisions of §173.159(g) or (h) of this subchapter.
- N7 The hazard class or division number of the material must be marked on the package in accordance with §172.302 of this subchapter. However, the hazard label corresponding to the hazard class or division may be substituted for the marking.
- N8 Nitroglycerin solution in alcohol may be transported under this entry only when the solution is packed in metal cans of not more than 1 L capacity each, overpacked in a wooden box containing not more

than 5 L. Metal cans must be completely surrounded with absorbent cushioning material. Wooden boxes must be completely lined with a suitable material impervious to water and nitroglycerin.

- N9 If the substance is impregnated with less than 5% oil, it is excepted from the labeling requirements of Subpart D of this part and the packaging tests of subpart M of part 178 of this subchapter.
- N10 Lighters and their inner packagings, which have been approved by the Associate Administrator for Hazardous Materials Safety (see §173.21(i) of this subchapter), must be packaged in one of the following outer packagings at the Packing Group II level: 4C1 or 4C2 wooden boxes; 4D plywood boxes; 4F reconstituted wood boxes; 4G fiberboard boxes; or 4H1 or 4H2 plastic boxes.
- N11 This material is excepted for the specification packaging requirements of this subchapter if the material is packaged in strong, tight non-bulk packaging meeting the requirements of subparts A and B of Part 173 of this subchapter.
- N12 Plastic packagings are not authorized.
- N20 A 5M1 multi-wall paper bag is authorized if transported in a closed transport vehicle.
- N25 Steel single packagings are not authorized.
- N32 Aluminum materials of construction are not authorized for single packagings.
- N33 Aluminum drums are not authorized.
- N34 Aluminum construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material.
- N36 Aluminum or aluminum alloy construction materials are permitted only for halogenated hydrocarbons that will not react with aluminum.
- N37 This material may be shipped in an integrally-lined fiber drum (IG) which meets the general packaging requirements of Subpart B of part 173 of this subchapter, the requirements of part 178 of this subchapter at the packing group assigned for the material and to any other special provisions of column 7 of the §172.101 table.
- N40 This material is not authorized in the following packagings:
- a. A combination packaging consisting of a 4G fiberboard box with inner receptacles of glass or earthenware;
 - b. A single packaging of a 4C2 sift-proof, natural wood box; or
 - c. A composite packaging 6PG2 (glass, porcelain or stoneware receptacles within a fiberboard box).
- N41 Metal construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material.
- N42 1A1 drums made of carbon steel with thickness of body and heads of not less than 1.3 mm (0.050 inch) and with a corrosion-resistant phenolic lining are authorized for stabilized benzyl chloride if tested and certified to the Packing Group I performance level at a specific gravity of not less than 1.8.
- N43 Metal drums are permitted as single packagings only if constructed of nickel or monel.
- N45 Copper cartridges are authorized as inner packagings if the hazardous material is not in dispersion.
- N65 Outage must be sufficient to prevent cylinders or spheres from becoming liquid full at 55°C (130°F). The vacant space (outage) may be charged with a nonflammable nonliquefied compressed gas if the pressure in the cylinder or sphere at 55°C (130°F) does not exceed 125 percent of the marked service pressure.
- N71 Combination packagings consisting of inner glass packagings of not over 1.0 L (0.3 gallon) capacity each or inner metal packagings of not over 5.0 L (1 gallon) capacity each, placed in strong outer packagings, are authorized. Packagings are not subject to the requirements of part 178 of this subchapter.
- N72 Packagings must be examined by the Bureau of Explosives and approved by the Associate Administrator for Hazardous Materials Safety.
- N73 Packagings consisting of outer wooden or fiberboard boxes with inner glass, metal or other strong containers; metal or fiber drums; kegs or barrels; or strong metal cans are authorized and need not conform to the requirements of part 178 of this subchapter.
- N74 Packages consisting of tightly closed inner containers of glass, earthenware, metal or polyethylene, capacity not over 0.5 kg (1.1 pounds) securely cushioned and packed in outer wooden barrels or wooden or fiberboard boxes, not over 15 kg (33 pounds) net weight, are authorized and need not conform to the requirements of part 178 of this subchapter.
- N75 Packagings consisting of tightly closed inner packagings of glass, earthenware or metal, securely cushioned and packed in outer wooden barrels or wooden or fiberboard boxes, capacity not over 2.5 kg (5.5 pounds) net weight, are authorized and need not conform to the requirements of part 178 of this subchapter.

- N76 For materials of not more than 25 percent active ingredient by weight, packages consisting of inner metal packagings not greater than 250 ml (8 ounces) capacity each, packed in strong outer packagings together with sufficient absorbent material to completely absorb the liquid contents are authorized and need not conform to the requirements of part 178 of this subchapter.
- N77 For materials of not more than two percent active ingredients by weight, packagings need not conform to the requirements of part 178 of this subchapter, if liquid contents are absorbed in an inert material.
- N78 Packages consisting of inner glass, earthenware, or polyethylene or other nonfragile plastic bottles or jars not over 0.5 kg (1.1 pounds) capacity each, or metal cans not over five pounds capacity each, packed in outer wooden boxes, barrels or kegs, or fiberboard boxes are authorized and need not conform to the requirements of part 178 of this subchapter. Net weight of contents in fiberboard boxes may not exceed 29 kg (64 pounds). Net weight of contents in wooden boxes, barrels or kegs may not exceed 45 kg (99 pounds).
- N79 Packages consisting of tightly closed metal inner packagings not over 0.5 kg (1.1 pounds) capacity each, packed in outer wooden or fiberboard boxes, or wooden barrels, are authorized and need not conform to the requirements of part 178 of this subchapter. Net weight of contents may not exceed 15 kg (33 pounds).
- N80 Packages consisting of one inner metal can, not over 2.5 kg (5.5 pounds) capacity, packed in an outer wooden or fiberboard box, or a wooden barrel, are authorized and need not conform to the requirements of part 178 of this subchapter.
- N82 See §173.306 of this subchapter for classification criteria for flammable aerosols.

(6) “R” codes. These provisions apply only to transportation by rail. [Reserved]

(7) “T” codes. These provisions apply only to transportation in IM portable tanks. They are divided into two groupings, one of which appears as the IM Tank Configurations in paragraph (c)(7)(i) of this section, and the second of which imposes specific requirements and appears in paragraph (c)(7)(ii) of this section.

(i) *IM Tank Configurations*. Column 1 lists the code for the special provisions as specified in column 7 of the §172.101 table. Column 2 specifies the IM tank type, either IM 101 (§§178.270 and 178.271 of this subchapter) or IM 102 (§§178.270 and 178.272 of this subchapter). Column 3 specifies the minimum test pressure, in bars (1 bar = 14.5 psig), at which the periodic hydrostatic testing required by §173.32b of this subchapter must be conducted. Column 4 specifies either the section referenced for requirements for bottom openings or “Prohibited”, which means bottom openings are prohibited. Column 5 specifies the section reference for requirements applicable to pressure relief devices.

IM Tank Configurations

Code (1)	IM Tank Type (2)	Minimum Test Pressure (Bars) (3)	Bottom Outlets (4)	Pressure Relief Devices (5)
T1	102	1.5	§173.32c(g)(1)	178.270-11(a)(1), (2)
T2	102	1.5	§173.32c(g)(2)	178.270-11(a)(1), (2)
T7	101	2.65	§173.32c(g)(1)	178.270-11(a)(1), (2)
T8	101	2.65	§173.32c(g)(2)	178.270-11(a)(1), (2)
T9	101	2.65	Prohibited	178.270-11(a)(1), (2)
T11	101	2.65	§173.32c(g)(2)	178.270-11(a)(3)
T12	101	2.65	Prohibited	178.270-11(a)(3)
T13	101	4	§173.32c(g)(1)	178.270-11(a)(1), (2)
T14	101	4	§173.32c(g)(2)	178.270-11(a)(1), (2)
T15	101	4	Prohibited	178.270-11(a)(1), (2)
T16	101	4	§173.32c(g)(1)	178.270-11(a)(3)
T17	101	4	§173.32c(g)(2)	178.270-11(a)(3)
T18	101	4	Prohibited	178.270-11(a)(3)
T20	101	6	§173.32c(g)(2)	178.270-11(a)(1), (2)
T21	101	6	Prohibited	178.270-11(a)(1), (2)
T22	101	6	§173.32c(g)(1)	§178.270-11(a)(1), (2)
T23	101	6	§173.32c(g)(2)	178.270-11(a)(3)
T24	101	6	Prohibited	178.270-11(a)(3)
T28	101	10	Prohibited	178.270-11(a)(1), (2)
T39	101	10	Prohibited	178.270-11(a)(3)
T43	101	9	Prohibited	178.270-11(a)(3)

(ii) IM Tank special provisions.

Code/Special Provisions

- T25 This hazardous material is not permitted for transport in IM portable tanks.
- T26 Each tank must have a minimum shell thickness of 6.35 mm (0.250 inch) mild steel.
- T27 Each tank must have a minimum shell thickness of 8.0 mm (0.315 inch) mild steel.
- T28 See entry for T28 in the IM Tank Configuration Table in paragraph (c)(7)(i) of this section.
- T29 The lading must be completely covered with nitrogen, inert gas or other inert materials.
- T30 IM 102 portable tanks without bottom openings or with bottom openings conforming to §173.32c(g)(1) of this subchapter are authorized for a hazardous material with a flash point of 0°C (32°F) or greater and a vapor pressure not greater than 65.5 kPa (9.5 psia) at 65.6°C (150°F).
- T31 IM 102 portable tanks without bottom openings or with bottom openings conforming to §173.32c(g)(2) of this subchapter are authorized for a hazardous material with a flash point of 0°C (32°F) or greater and a vapor pressure not greater than 65 kPa (9.4 psia) at 65.6°C (150°F).
- T32 Each tank must have a minimum shell thickness of 10.0 mm (0.394 inch) mild steel with at least 5.0 mm (0.197 inch) lead lining.
- T33 Dry phosphorus is not permitted. For transport in a molten state, the tank must be insulated in accordance with Note T38. Air must be eliminated from the interior of the tank. The tank may be heated; however, interior heating coils are prohibited.
- T34 The IM Tank authorization is limited to aqueous solutions containing not more than 40% dimethylamine.
- T35 Each tank must be equipped with reclosing (spring loaded) pressure relief valves set to discharge at pressures determined according to the pressure characteristics of the organic peroxide lading.
- T36 Each tank must be equipped with pressure relief devices with sufficient venting capacity to prevent the tank from bursting.
- T37 IM portable tanks are only authorized for the shipment of hydrogen peroxide solutions in water containing 72 percent or less hydrogen peroxide by weight. Pressure relief devices shall be designed to prevent the entry of foreign matter, the leakage of liquid and the development of any dangerous excess pressure. In addition, the tank shall be designed so that internal surfaces may be effectively cleaned and passivated. Each tank must be equipped with pressure relief devices conforming to the following requirements:

Concentration of hydrogen peroxide solution	Total venting capacity in standard cubic feet per hour (S.C.F.H.) per pound of hydrogen peroxide solution
52 percent or less	11
Over 52 percent but not greater than 60 percent	22
Over 60 percent but not greater than 72 percent	32

- T38 Each tank must be insulated with an insulating material so that the overall thermal conductance at 15.5°C (60°F) is no more than 1.5333 kilojoules per hour per square meter per degree Celsius (0.075 Btu per hour per square foot per degree Fahrenheit) temperature differential. Insulating materials must not promote corrosion to steel when wet. Notwithstanding the requirements in §171.14(b)(4)(ii) of this subchapter, compliance with this provision is delayed until October 1, 1994, for a bulk packaging containing a material poisonous by inhalation which, when in contact with moisture, becomes highly corrosive and could cause corrosion under an insulation blanket.
- T39 See entry for T39 in the IM Tank Configuration Table in paragraph (c)(7)(i) of this section.
- T40 Each tank must have a minimum shell thickness of 10.0 mm (0.39 inch) mild steel.
- T41 Each tank must have a minimum shell thickness of 12.0 mm (0.47 inch) mild steel.
- T42 Transport in IM portable tanks permitted only under conditions approved by the Associate Administrator for Hazardous Materials Safety.

- T43 See entry for T43 in the IM Tank Configuration Table in paragraph (c)(7)(i) of this section.
- T44 DOT Specification IM 101 portable tanks shall be made of stainless steel except that steel other than stainless steel may be used in accordance with the provisions of §173.24b(b) of this subchapter. Thickness of stainless steel for tank shell and heads must be the greater of 7.62 mm (0.300 inch) or the thickness required for a tank with a design pressure at least equal to 1.5 times the vapor pressure of the lading at 46°C (115°F).
- T45 DOT Specification IM 101 portable tanks shall be made of stainless steel except that steel other than stainless steel may be used in accordance with the provisions of §173.24b(b) of this subchapter. Thickness of stainless steel for tank shell and heads must be the greater of 6.35 mm (0.250 inch) or the thickness required for a tank with a design pressure at least equal to 1.3 times the vapor pressure of the lading at 46°C (115°F).
- T46 IM portable tanks in sodium metal service are not required to be hydrostatically retested.
- T47 Temperature must be maintained between 18°C (64.4°F) and 40°C (104°F) when carried in tanks. Tanks containing solidified methacrylic acid may not be reheated during transport.

(8) “W” codes. These provisions apply only to transportation by water.
Code/Special Provisions

- W41 When offered for transportation by water, this material must be packaged in bales and be securely and tightly bound with rope, wire or similar means.

Subpart C — Shipping Papers

§172.200 Applicability.

(a) *Description of hazardous materials required.* Except as otherwise provided in this subpart, each person who offers a hazardous material for transportation shall describe the hazardous material on the shipping paper in the manner required by this subpart.

(b) This subpart does not apply to any material, other than a hazardous substance, hazardous waste or marine pollutant, that is —

- (1) Identified by the letter “A” in Column 1 of the §172.101 Table, except when the material is offered or intended for transportation by air; or
- (2) Identified by the letter “W” in Column 1 of the §172.101 Table except then the material is offered or intended for transportation by water; or
- (3) An ORM-D, except when the material is offered or intended for transportation by air.

§172.201 General entries.

(a) *Contents.* When a description of hazardous material is required to be included on a shipping paper, that description must conform to the following requirements:

- (1) When a hazardous material and a material not subject to the requirements of this subchapter are described on the same shipping paper, the hazardous material description entries required by §172.202 and those additional entries that may be required by §172.203:
 - (i) Must be entered first, or
 - (ii) Must be entered in a color that clearly contrasts with any description on the shipping paper of a material not subject to the requirements of this subchapter, except that a description on a reproduction of a shipping paper may be highlighted, rather than printed, in a contrasting color (the provisions of this paragraph apply only to the basic description required by §172.202(a)(1) and (2), and (3)), or
 - (iii) Must be identified by the entry of an “X” placed before the proper shipping name in a column captioned “HM.” (The “X” may be replaced by “RQ,” if appropriate.)
- (2) The required shipping description on a shipping paper and all copies thereof used for transportation purposes, must be legible and printed (manually or mechanically) in English.
- (3) Unless it is specifically authorized or required in this subchapter, the required shipping description may not contain any code or abbreviation.
- (4) A shipping paper may contain additional information concerning the material provided the information is not inconsistent with the required description. Unless otherwise permitted or required by this subpart, additional information must be placed after the basic description required by §172.202(a).

(b) [Reserved]

(c) *Continuation page.* A shipping paper may consist of more than one page, if each page is consecutively numbered and the first page bears a notation

specifying the total number of pages included in the shipping paper. For example, “Page 1 of 4 pages.”

(d) *Emergency response telephone number.* Except as provided in §172.604(c), a shipping paper must contain an emergency response telephone number, as prescribed in subpart G of this part.

§172.202 Description of hazardous material on shipping papers.

(a) The shipping description of a hazardous material on the shipping paper must include:

- (1) The proper shipping name prescribed for the material in Column 2 of the §172.101 Table;
- (2) The hazard class or division prescribed for the material as shown in Column 3 of the §172.101 Table (class names or subsidiary hazard class or division number may be entered following the numerical hazard class, or following the basic description). The hazard class need not be included for the entry “Combustible liquid, n.o.s.”;
- (3) The identification number prescribed for the material as shown in Column 4 of the §172.101 Table;
- (4) The packing group, in Roman numerals, prescribed for the material in Column 5 of the §172.101 Table, if any. The packing group may be preceded by the letters “PG” (e.g., “PG II”); and
- (5) Except for empty packagings (see §173.29 of this subchapter), cylinders for Class 2 (compressed gases) materials, and bulk packagings, the total quantity (by net or gross mass, capacity, or as otherwise appropriate), including the unit of measurement, of the hazardous material covered by the description (e.g., “800 lbs”, “55 gal.”, “3629 kg”, or “208 L”). For cylinders for Class 2 (compressed gases) materials and bulk packagings, some indication of total quantity must be shown (e.g., “10 cylinders” or “1 cargo tank”).

(b) Except as provided in this subpart, the basic description specified in paragraphs (a)(1), (2), (3) and (4) of this section must be shown in sequence with no additional information interspersed. For example: “Gasoline, 3, UN 1203, PG II”.

(c) The total quantity of the material covered by one description must appear before or after, or both before and after, the description required and authorized by this subpart. The type of packaging and destination marks may be entered in any appropriate manner before or after the basic description. Abbreviations may be used to express units of measurement and types of packagings.

(d) Technical and chemical group names may be entered in parentheses between the proper shipping name and hazard class or following the basic description. An appropriate modifier, such as “contains” or “containing,” and/or the percentage of the technical constituent may be used. For example: “Flammable liquids, n.o.s. (contains Xylene and Benzene), 3, UN 1993, PG II”.

(e) Except for those materials in the UN Recommendations, the ICAO Technical Instructions, or the IMDG Code, a material that is not a hazardous material according to this subchapter may not be offered for transportation or transported when its description on a shipping paper includes a hazard class or an identification number specified in §172.101.

§172.203 Additional description requirements.

(a) *Exemptions.* Each shipping paper issued in connection with a shipment made under an exemption must bear the notation “DOT-E” followed by the exemption number assigned and so located that the notation is clearly associated with the description to which the exemption applies.

(b) *Limited quantities.* The description for a material offered for transportation as “limited quantity,” as authorized by this subchapter, must include the words “Limited Quantity” or “Ltd Qty” following the basic description.

(c) *Hazardous substances.*

(1) Except for Class 7 (radioactive) materials described in accordance with paragraph (d) of this section, if the proper shipping name for a material that is a hazardous substance does not identify the hazardous substance by name, the name of the hazardous substance must be entered in parentheses in association with the basic description. If the material contains two or more hazardous substances, at least two hazardous substances, including the two with the lowest reportable quantities (RQs), must be identified. For a hazardous waste, the waste code (e.g., D001), if appropriate, may be used to identify the hazardous substance.

(2) The letters “RQ” shall be entered on the shipping paper either before or after, the basic description required by §172.202 for each hazardous substance (see definition in 171.8 of this subchapter). For example: “RQ, Allyl alcohol,