



DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS REGULATIONS BOARD
WASHINGTON, D.C. 20590

9449

[49 CFR Parts 171, 172, 173]

[Docket No. HM-8; Notice 71-13]

TRANSPORTATION OF HAZARDOUS
MATERIALS

Classification and Labeling of
Hazardous Materials

On July 22, 1970, the Hazardous Materials Regulations Board published Docket No. HM-8; Notice No. 70-13 (35 F.R. 11742) relating to the classification and labeling of hazardous materials. One objective of the document was to incorporate certain shipper requirements for transportation of hazardous materials aboard aircraft.

Comments received on this aspect of the proposal indicated that a more detailed incorporation of transportation-by-air requirements in Title 49 would be necessary to effectively accomplish the objective. The Board agrees with this comment and is publishing this supplemental notice in Docket No. HM-8 to facilitate the regulatory transfer of shipper requirements for shipment by rail from 14 CFR Part 103 to 49 CFR parts 170 to 189.

The quantity limitations specified throughout are intended generally to reflect limits already contained in 14 CFR 103.7, 103.9, and 103.19 of the Federal Aviation Regulations.

Several items have been changed from the flammable solid class to the spontaneously combustible material class. Also, some other small changes are being proposed in response to public comments related to the commodity list. This supplemental notice is not a response to all comments received on the commodity list. All comments received on the original notice and on this supplemental notice will be addressed in the preparation of the final rule.

To facilitate review, the symbol % has been placed before each entry in the commodity list that has been changed from the way it appeared in Docket No. HM-8; Notice No. 70-13 (35 F.R. 11742).

In consideration of the foregoing, it is proposed to amend 49 CFR Parts 171, 172, 173 as follows:

I. Part 171—General Information and Regulations:

(A) In Part 171, Table of Contents, §§ 171.2, 171.3, 171.11 would be amended to read as follows:

- Sec.
171.2 Acts of Congress.
171.3 Changes in the regulations, shippers by rail, highway, air, and water, and carriers by rail and highway.
171.11 Transportation by carriers by air and water.

(B) The authority cited immediately following the table of contents, would be amended to read as follows:

AUTHORITY: The provisions of this Part 171 issued under 62 Stat. 738, 74 Stat. 808, and 72 Stat. 778; 18 U.S.C. 834 and 49 U.S.C. 1421-1430, unless otherwise noted.

(C) In § 171.1, paragraph (a) would be amended to read as follows:

§ 171.1 Plan of the regulations in Parts 170-189 of this chapter.

(a) Regulations in Parts 170-189 of this chapter cover preparation of hazardous materials for transportation by civil aircraft and by common carriers by rail freight, rail express, rail baggage, highway or water, construction of containers, packaging, weight, marking, labeling when required, billing, and shipper's certificate of compliance with these regulations; also cars, loading, storage, billing, placarding, and movement thereof by carriers by rail.

(D) In § 171.2, the heading would be amended; paragraph (b) would be added to read as follows:

§ 171.2 Acts of Congress.

(b) Section 1472(h)(1), title 49 of the United States Code, provides that "Any person who knowingly delivers or causes to be delivered to an air carrier or to the operator of any civil aircraft for transportation in air commerce, or who causes the transportation in air commerce of, any shipment, baggage, or property, the transportation of which would be prohibited by any rule, regulation, or requirement prescribed by the (Federal Aviation) Administrator under title VI of this Act, relating to the transportation, packing, marking, or description of explosives or other dangerous articles," shall be fined or imprisoned, as provided in the Act.

(E) In § 171.3, the heading and paragraph (b) would be amended to read as follows:

§ 171.3 Changes in the regulations, shippers by rail, highway, air, and water, and carriers by rail and highway.

(b) Section 1472(h)(2), title 49 of the United States Code, provides that "In the exercise of his authority under title VI of this Act, the (Federal Aviation) Administrator may provide by regulation for the application in whole or in part of the rules or regulations of the Department of Transportation (including future amendments and additions thereto) relating to the transportation, packing, marking, or description of explosives or other dangerous articles for surface transportation, to the shipment and carriage by air of such articles." While so made applicable, any such rule or regulation, or part thereof, shall for the purposes of the Act be deemed to be a regulation of the Administrator prescribed under 49 U.S.C. 1421-1430.

(F) In § 171.8, paragraphs (g) and (m) would be amended to read as follows:

§ 171.8 Definitions.

(g) The term "portable tank" means any tank designed primarily to be temporarily attached to an aircraft, a motor vehicle, other vehicle, railroad car other than tank car, or vessel, and equipped with skids, mountings, or accessories to facilitate handling of the tank by mechanical means. The term "portable tank" shall not be construed to include any cargo tank, any tank car tank, or any tank of the DOT 106A or 110A (§§ 179.301, 179.302 of this chapter) type.

(m) "Hazardous materials" means "explosives and other dangerous articles" as used in title 18, United States Code, section 831-835, and title 49, United States Code, section 1472(h).

(G) Section 171.11 would be amended to read as follows:

§ 171.11 Transportation by carriers by air and water.

When the transportation of a shipment involves movement by a carrier by air or water, the applicable provisions of Parts 170-189 of this chapter must be observed by the shipper.

II. Part 172:

In § 172.5 paragraph (a) *Commodity List*, proposed amendments marked "C" are changes from the proposed amendments as they appeared in Docket No. HM-8; Notice No. 70-13 (35 F.R. 11742), as follows:

§ 172.5 List of hazardous materials.

(a) * * *

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a)	(b)	(c)
				Rail express	Passenger carrying aircraft	Cargo only aircraft
% Accumulator, pressurized (pneumatic or hydraulic), containing nonflammable gas.	Nonf. G.	173.306(e)	Green	No limit	150 pounds	No limit.
Acetaldehyde (ethyl aldehyde)	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons
Acetone	F.L.	173.118, 173.119	do	do	do	Do.
Acetone cyanohydrin	Pols. B.	173.345, 173.346	Poison B.	55 gallons	do	55 gallons.
*Acetone oils	F.L.	173.118, 173.119	Red	10 gallons	do	10 gallons.
Acetonitrile	F.L.	173.118, 173.119	do	do	do	Do.
Acetyl benzoyl peroxide, solid, or solution containing more than 40 percent peroxide.	Oxy. M.	Forbidden				
Acetyl benzoyl peroxide, solution containing 40 percent or less peroxide.	Oxy. M.	No exemption, 173.222	Peroxide	1 quart	Not accepted	1 quart.
Acetyl chloride	Cor. L.	173.244, 173.247	Corrosive Liquid	1 gallon	1 quart	1 gallon.
Acetylene	F.G.	173.306, 173.303	Red Gas	300 pounds	Not accepted	300 pounds.
Acetyl peroxide, solid or solution containing more than 25 percent peroxide.	Oxy. M.	Forbidden				
Acetyl peroxide, solution containing 25 percent or less peroxide.	Oxy. M.	173.153(b), 173.222	Peroxide	1 quart	Not accepted	1 quart.
Acids, liquid, n.o.s.	Cor. L.	173.244, 173.245	Corrosive Liquid	5 pints	1 quart	5 pints.
*Acid, sludge	Cor. L.	No exemption, 173.248	do	1 quart	Not accepted	1 quart.
Acrolein, inhibited	F.L.	No exemption, 173.122	Red	do	do	Do.
Acrylonitrile	F.L.	173.118, 173.119	do	10 gallons	1 quart	10 gallons.
Actuating cartridges, explosive fire extinguisher or valve.	Expl. C	173.114	Orange C	150 pounds	50 pounds	150 pounds
*Adhesives, n.o.s. See Cement, liquid, n.o.s.						
Aeroplane flares. See Fireworks, special.						
Aerosol products. See Compressed gases, n.o.s.						
Air, compressed	Nonf. G.	173.306, 173.302	Green	300 pounds	150 pounds	300 pounds.
Aircraft rocket engines (commercial)	F.S.	No exemption, 173.238	Red striped	550 pounds	Not accepted	550 pounds.
Aircraft rocket engine igniters (commercial)	F.S.	do	do	25 pounds	do	25 pounds.
*Alcohol, n.o.s.	F.L.	173.118, 173.125	Red	10 gallons	1 quart	10 gallons.
Aldrin	Pols. B.	173.364, 173.376	Poison B.	200 pounds	50 pounds	200 pounds.
Aldrin mixtures, dry, with more than 65 percent aldrin.	Pols. B.	173.364, 173.376	do	do	do	Do.
Aldrin mixtures, liquid, with more than 60 percent aldrin.	Pols. B.	173.345, 173.361	do	55 gallons	1 quart	55 gallons.
% Alkaline caustic liquids, n.o.s.	Cor. L.	173.244, 173.249	Corrosive liquid	10 gallons	do	10 gallons.
% Alkaline corrosive battery fluid	Cor. L.	173.244, 173.249, 173.257	do	do	do	Do.
Alkaline corrosive battery fluid with storage battery	Cor. L.	No exemption, 173.258	do	400 pounds	Not accepted	5 pints.
% Alkaline corrosive liquids, n.o.s.	Cor. L.	173.244, 173.249	do	10 gallons	1 quart	10 gallons.
Alkyl aluminum halides. See Spontaneously combustible liquids or solids.						
Allyl alcohol	Pols. B.	173.345, 173.346	Poison B.	55 gallons	do	55 gallons.
Allyl bromide	F.L.	173.118, 173.119	Red	10 gallons	do	10 gallons.
% Allyl chloroformate or chlorocarbonate	Cor. L.	No exemption, 173.288	Corrosive Liquid	5 pints	Not accepted	5 pints.
Allyl trichlorosilane	Cor. L.	No exemption, 173.280	do	10 gallons	do	10 gallons.
Aluminum alkyls. See Spontaneously combustible liquids, n.o.s.						
% Aluminum dross, wet or hot	SCM	173.173				
*Aluminum Liquid (or paint). See *Paint, enamel, lacquer, stain, shellac, varnish, etc.						
Aluminum nitrate	Oxy. M.	173.153, 173.182	Yellow	100 pounds	25 pounds	100 pounds.
Amatol. See High explosives.						
Ammonia, anhydrous	Nonf. G.	173.306, 173.304, 173.314, 173.315	Green	300 pounds	Not accepted	300 pounds.
Ammonium arsenate, solid	Pols. B.	173.364, 173.365	Poison B.	200 pounds	50 pounds	200 pounds.
Ammonium bichromate (ammonium dichromate)	F.S.	173.153, 173.154, 173.235	Red Striped	100 pounds	25 pounds	100 pounds.
Ammonium nitrate	Oxy. M.	173.153, 173.182	Yellow	do	do	Do.
Ammonium nitrate—carbonate mixtures	Oxy. M.	173.153, 173.182	do	do	do	Do.
Ammonium nitrate fertilizer, containing 90 percent or more ammonium nitrate with no organic coating.	Oxy. M.	173.153, 173.182	do	do	do	Do.
Ammonium nitrate—fuel oil. See Nitro carbo nitrate.						
*Ammonium nitrate mixed fertilizer	Oxy. M.	173.153, 173.182	do	do	do	Do.
Ammonium nitrate (organic coating)	Oxy. M.	173.153, 173.182	do	do	do	Do.
*Ammonium nitrate—phosphate	Oxy. M.	173.153, 173.182	do	do	do	Do.
Ammonium perchlorate	Oxy. M.	173.153, 173.154, 173.239a	do	do	do	Do.
Ammonium permanganate	Oxy. M.	173.153, 173.164	do	do	do	Do.
Ammonium picrate. See High explosives.						
% Ammonium picrate, wet (not to exceed 10 ounces)	F.S.	173.192	None	1 pound	1 pound	1 pound.

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a)	(b)	(c)
				Rail express	Passenger carrying aircraft	Cargo only aircraft
<i>Ammunition, chemical (containing class A poisons, liquids, or gases.) See Chemical ammunition.</i>						
<i>Ammunition, chemical (containing class B poisons, liquids, or gases.) See Chemical ammunition.</i>						
<i>Ammunition, chemical (containing class C poisons, liquids, or solids.) See Chemical ammunition.</i>						
<i>Ammunition, chemical explosive (with fuzes or bursting charges).</i>	Expl. A	173.59	Orange A	Not accepted.	Not accepted.	Not accepted.
<i>Ammunition, nonexplosive.</i>		173.55				
<i>Ammunition for cannon with empty projectiles.</i>	Expl. B	No exemption, 173.89	Orange B	Not accepted.	Not accepted.	Not accepted.
<i>Ammunition for cannon with explosive projectiles.</i>	Expl. A	No exemption, 173.54	Orange A	do	do	Do.
<i>Ammunition for cannon with gas projectiles.</i>	Expl. A	do	do	do	do	Do.
<i>Ammunition for cannon with illuminating projectiles.</i>	Expl. A	do	do	do	do	Do.
<i>Ammunition for cannon with incendiary projectiles.</i>	Expl. A	do	do	do	do	Do.
<i>Ammunition for cannon with inert loaded projectiles.</i>	Expl. B	No exemption, 173.89	Orange B	do	do	Do.
<i>Ammunition for cannon with smoke projectiles.</i>	Expl. A	No exemption, 173.54	Orange A	do	do	Do.
<i>Ammunition for cannon with solid projectiles.</i>	Expl. B	No exemption, 173.89	Orange B	do	do	Do.
<i>Ammunition for cannon without projectiles.</i>	Expl. B	do	do	do	do	Do.
<i>Ammunition, rocket. See Rocket ammunition.</i>						
<i>Ammunition, small-arms. See Small-arms ammunition.</i>						
<i>Ammunition for small-arms with explosive projectiles.</i>	Expl. A	No exemption, 173.58	Orange A	do	do	Do.
<i>Ammunition for small-arms with incendiary projectiles.</i>	Expl. A	do	do	do	do	Do.
<i>%Amyl acetate.</i>	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
<i>Amyl chloride.</i>	F.L.	173.118, 173.119	do	do	do	Do.
<i>Amyl mercaptan.</i>	F.L.	No exemption, 173.141	do	do	Not accepted.	Do.
<i>Amyl nitrite.</i>	F.L.	173.118, 173.119	do	do	1 quart	Do.
<i>Amyl trichlorosilane.</i>	Cor. L	No exemption, 173.280	Corrosive Liquid	do	Not accepted.	Do.
<i>Anhydrous ammonia. See Ammonia, anhydrous.</i>						
<i>Anhydrous hydrazine. See Hydrazine, anhydrous.</i>						
<i>Anhydrous hydrofluoric acid. See Hydrogen fluoride.</i>						
<i>Aniline oil, liquid.</i>	Pois. B	No exemption, 173.347	Poison B	55 gallons	do	55 gallons.
<i>Anisoyl chloride.</i>	Cor. L	173.244, 173.279	Corrosive Liquid	1 quart	1 quart	1 quart.
<i>%Antifreeze compounds, liquid.</i>	F.L.	173.118, 173.119	Red	10 gallons	do	10 gallons.
<i>%Antifreeze preparations proprietary, liquid.</i>	F.L.	173.118, 173.119	do	do	do	Do.
<i>Antimony pentachloride.</i>	Cor. L	173.244, 173.247	Corrosive Liquid	1 quart	do	1 quart.
<i>Antimony pentachloride, solution.</i>	Cor. L	173.244, 173.245	do	5 pints	do	5 pints.
<i>Antimony pentafluoride.</i>	Cor. L	No exemption, 173.246	do	25 pounds	Not accepted	25 pounds.
<i>*Aqua ammonia solution containing anhydrous ammonia.</i>	Nonf. G	173.306, 173.304, 173.314, 173.315	Green	300 pounds	do	300 pounds.
<i>Argon.</i>	Nonf. G	173.306, 173.302, 173.314	do	do	150 pounds	Do.
<i>Argon, liquefied.</i>	Nonf. G	No exemption, 173.304	do	do	Not accepted	Do.
<i>Arsenic acid, liquid.</i>	Pois. B	173.345, 173.348	Poison B	55 gallons	1 quart	55 gallons.
<i>Arsenic acid, solid.</i>	Pois. B	173.364, 173.366	do	200 pounds	50 pounds	200 pounds.
<i>Arsenic bromide, solid.</i>	Pois. B	173.364, 173.365	do	do	do	Do.
<i>Arsenic chloride (arsenous) liquid.</i>	Pois. B	173.345, 173.346	do	55 gallons	1 quart	55 gallons.
<i>Arsenic iodide, solid.</i>	Pois. B	173.364, 173.365	do	200 pounds	50 pounds	200 pounds.
<i>Arsenic pentoxide, solid.</i>	Pois. B	173.364, 173.365	do	do	do	Do.
<i>Arsenic solid.</i>	Pois. B	173.364, 173.366	do	do	do	Do.
<i>Arsenic sulfide, solid.</i>	Pois. B	173.364, 173.365	do	do	do	Do.
<i>Arsenic trichloride, liquid.</i>	Pois. B	173.364, 173.365	do	do	do	Do.
<i>Arsenic trioxide, solid (arsenic, white, solid, arsenous acid, solid).</i>	Pois. B	173.345, 173.346	do	55 gallons	1 quart	55 gallons.
<i>Arsenic, white solid.</i>	Pois. B	173.364, 173.366, 173.368	do	200 pounds	50 pounds	200 pounds.
<i>Arsenical compounds or mixtures, n.o.s., liquid.</i>	Pois. B	173.364, 173.366	do	do	do	Do.
<i>Arsenical compounds or mixtures, n.o.s., solid.</i>	Pois. B	173.345, 173.346	do	55 gallons	1 quart	55 gallons.
<i>Arsenical dip, liquid (sheep dip).</i>	Pois. B	173.364, 173.367	do	200 pounds	50 pounds	200 pounds.
<i>Arsenical dust.</i>	Pois. B	173.345, 173.346	do	55 gallons	1 quart	55 gallons.
<i>Arsenical flue dust.</i>	Pois. B	173.364, 173.368	do	200 pounds	50 pounds	200 pounds.
<i>Arsenous acid, solid.</i>	Pois. B	173.364, 173.368	do	do	do	Do.
<i>Arsenous and mercuric iodide solution, liquid.</i>	Pois. B	173.364, 173.365	do	do	do	Do.
<i>*Asphalt, cut-back.</i>	Pois. B	173.345, 173.346	do	55 gallons	1 quart	55 gallons.
<i>Automobiles, motorcycles, tractors, or other self-propelled vehicles.</i>	F.L.	173.118, 173.131	Red	10 gallons	do	10 gallons.
<i>Automobiles, motorcycles, tractors, or other self-propelled vehicles, engines or other mechanical apparatus, with charged electric storage batteries, wet.</i>						
<i>1-Aziridinyl phosphine oxide (tris). See Tris-(1-aziridinyl) phosphine oxide.</i>						
<i>Bags, sodium nitrate, empty and unwashed.</i>	F.S.	No exemption, 173.155(a)	Red Striped	25 pounds	Not accepted.	25 pounds.
<i>Barium azide—50 percent or more water, wet.</i>	F.S.	No exemption, 173.239	do	1 pound	do	1 pound.
<i>Barium chlorate.</i>	Oxy. M	173.153, 173.163	Yellow	100 pounds	25 pounds	100 pounds.
<i>Barium chlorate, wet.</i>	Oxy. M	173.153, 173.163(a)(6)	do	200 pounds	do	200 pounds.
<i>Barium cyanide, solid.</i>	Pois. B	173.370	Poison B	do	do	Do.
<i>Barium nitrate.</i>	Oxy. M	173.153, 173.182	Yellow	100 pounds	do	100 pounds.
<i>Barium perchlorate.</i>	Oxy. M	173.153, 173.154	do	do	do	Do.
<i>Barium permanganate.</i>	Oxy. M	173.153, 173.154	do	do	do	Do.
<i>Barium peroxide (binoride, dioride).</i>	Oxy. M	173.153, 173.156	do	do	do	Do.
<i>Batteries, dry.</i>						
<i>Batteries, electric storage, wet.</i>	Not regulated.					
<i>%Batteries, electric storage, wet, with automobiles, auto parts, engines or other mechanical apparatus.</i>	Cor. L	173.258, 173.260	Corrosive Liquid	600 pounds	Not accepted.	No limit.
<i>Battery charger with electrolyte (acid or alkaline battery fluid).</i>	Cor. L	173.250, 173.260	do	No limit	50 pounds	Do.
<i>Battery fluid. See Electrolyte (acid) or Alkaline corrosive battery fluid.</i>						
<i>Benzene (benzol).</i>	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
<i>%Benzene phosphorus dichloride.</i>	Cor. L	173.244, 173.250a	Corrosive Liquid	5 pints	do	5 pints.
<i>%Benzene phosphorus thiodichloride.</i>	Cor. L	173.244, 173.250a	do	do	do	Do.
<i>Benzine.</i>	F.L.	173.118, 173.119	Red	10 gallons	do	10 gallons.
<i>Benzoyl chloride.</i>	Cor. L	173.244, 173.247	Corrosive Liquid	1 quart	do	1 quart.
<i>Benzoyl peroxide.</i>	Oxy. M	No exemption, 173.157, 173.158	Peroxide	25 pounds	Not accepted	25 pounds.
<i>Benzyl bromide (bromotoluene, alpha).</i>	Cor. L	No exemption, 173.281	Corrosive Liquid	5 pints	do	5 pints.
<i>Benzyl chloride.</i>	Cor. L	173.244, 173.295	do	1 quart	1 quart	1 quart.
<i>Benzyl chloroformate (Chlorocarbonate).</i>	Cor. L	No exemption, 173.288	do	5 pints	Not accepted	5 pints.
<i>*Beryllium compounds, n.o.s.</i>	Pois. B	173.364, 173.365	Poison B	200 pounds	50 pounds	200 pounds.
<i>Black powder.</i>	Expl. A	No exemption, 173.60	Orange A	Not accepted	Not accepted	Not accepted.

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a) Rail express	(b) Passenger carrying aircraft	(c) Cargo only aircraft
Black powder igniters with empty cartridge bags	Expl. C	No exemption, 173.106	Orange C	150 pounds	50 pounds	150 pounds.
Blasting caps—1,000 or less	Expl. C	No exemption, 173.103	do.	See 173.86	Not accepted	Not accepted.
Blasting caps—more than 1,000	Expl. A	No exemption, 173.66	Orange A	Not accepted	do.	Do.
Blasting caps—electric, 1,000 or less	Expl. C	No exemption, 173.103	Orange C	See 173.86	do.	Do.
Blasting caps—electric, more than 1,000	Expl. A	No exemption, 173.66	Orange A	Not accepted	do.	Do.
Blasting caps with metal clad mild detonating fuse— 1,000 or less.	Expl. C	No exemption, 173.103	Orange C	do.	do.	Do.
Blasting caps with metal clad mild detonating fuse— more than 1,000.	Expl. A	No exemption, 173.66(c), 173.67.	Orange A	do.	do.	Do.
Blasting caps with safety fuse—1,000 or less	Expl. C	No exemption, 173.103	Orange C	See 173.86	do.	Do.
Blasting caps with safety fuse—more than 1,000	Expl. A	No exemption, 173.66(c), 173.67.	Orange A	Not accepted	do.	Do.
Blasting gelatin. See High explosives.						
Blasting powder. See Black powder.						
*Boiler compound, liquid	Cor. L	173.244, 173.249	Corrosive liquid	10 gallons	1 quart	10 gallons.
Bombs, explosive. See Explosive bomb.						
Bombs, explosive, with gas, smoke, or incendiary material. See Explosive bomb.						
Bombs, fireworks. See Fireworks, special.						
Bombs, gas, smoke or incendiary, nonexplosive. See Chem- ical ammunition.						
Bombs, incendiary, or smoke without bursting charges. See Fireworks, special.						
Bombs, practice, with electric primers or electric squibs (nonexplosive).		See 173.55.				
Bombs, sand-loaded or empty (nonexplosive)		do.				
Boosters (explosive)	Expl. A	No exemption, 173.69	Orange A	Not accepted	Not accepted	Not accepted.
Bordeaux arsenites, liquid	Pois. B	173.345, 173.346	Poison B	55 gallons	1 quart	55 gallons.
Bordeaux arsenites, solid	Pois. B	173.364, 173.365	do.	200 pounds	50 pounds	200 pounds.
Boron trichloride	Cor. L	No exemption, 173.251	Corrosive Liquid	1 quart	Not accepted	1 quart.
Boron trifluoride	Nonf. G	173.306, 173.302	Green	300 pounds	do.	300 pounds.
% Box toe gum	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
Bromine	Cor. L	No exemption, 173.252	Corrosive Liquid	1 quart	Not accepted	1 quart.
Bromine pentafluoride	Cor. L	No exemption, 173.284	do.	100 pounds	do.	100 pounds.
Bromine trifluoride	Cor. L	No exemption, 173.283	do.	do.	do.	Do.
Bromoacetone, liquid	Pois. A	No exemption, 173.329(a)	Poison A	Not accepted	do.	Not accept.
Bromobenzyl cyanide, liquid	Irr	No exemption, 173.382	Irritant	20 pounds	do.	20 pounds.
Bromotoluene, alpha. See Benzyl bromide.						
Brucine, solid (dimethoxy strychnine)	Pois. B	173.364, 173.365	Poison B	200 pounds	50 pounds	200 pounds.
% Burnt cotton (not repicked)	SCM	No exemption, 173.159	Red Bottom	Not accepted	Not accepted	Not accepted.
% Burnt fiber	SCM	No exemption, 173.169	do.	do.	do.	Do.
Bursters (explosive)	Expl. A	No exemption, 173.69	Orange A	do.	do.	Do.
Butadiene, inhibited	F.G.	173.306, 173.304, 173.314, 173.315.	Red Gas	300 pounds	do.	300 pounds.
% Butane. See Liquefied petroleum gas.						
*Butyl acetate	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
*Butyl alcohol. See Alcohol, n.o.s.						
Butyl mercaptan	F.L.	No exemption, 173.141	do	do	Not accepted	Do.
Butyl trichlorosilane	Cor. L	No exemption, 173.280	Corrosive Liquid	do	do	Do.
Butyraldehyde	F.L.	173.118, 173.119	Red	do	1 quart	Do.
Cacodylic acid, solid (dimethyl-arsenic)	Pois. B	173.364, 173.365	Poison B	200 pounds	25 pounds	200 pounds.
Calcium arsenate, solid	Pois. B	173.364, 173.367, 173.368	do	do	do	Do.
Calcium arsenite, solid	Pois. B	173.364, 173.365	do	do	do	Do.
Calcium chlorate	Oxy. M	173.153, 173.163	Yellow	100 pounds	25 pounds	100 pounds.
Calcium chlorite	Oxy. M	No exemption, 173.160	do	do	Not accepted	Do.
% Calcium cyanide (or calcium cyanide mixture, solid).	Pois. B	173.370 (c) and (d)	Poison B	200 pounds	25 pounds	200 pounds.
% Calcium hypochlorite mixtures (dry, containing more than 99% available chlorine).	Oxy. M	173.153, 173.217	Yellow	100 pounds	50 pounds	100 pounds.
Calcium, metallic	WRM	173.153, 173.154	Blue	do	25 pounds	Do.
Calcium, metallic, crystalline	WRM	No exemption, 173.231	do	25 pounds	Not accepted	25 pounds.
Calcium nitrite	Oxy. M	173.153, 173.182	Yellow	100 pounds	25 pounds	100 pounds.
Calcium permanganate	Oxy. M	173.153, 173.154	do	do	do	Do.
Calcium peroxide	Oxy. M	173.153, 173.156	do	do	do	Do.
Calcium phosphide	WRM	No exemption, 173.161	Blue	25 pounds	Not accepted	25 pounds.
% Calcium resinate	SCM	No exemption, 173.166	Red Bottom	125 pounds	do	125 pounds.
% Calcium resinate, fused	SCM	do.	do.	do.	do.	Do.
Cannon primers	Expl. C	No exemption, 173.107	Orange C	150 pounds	50 pounds	150 pounds.
Caps, blasting. See Blasting caps.						
Caps, toy. See Toy caps.						
Caprylyl peroxide solution	Oxy. M	173.153(b) 173.221	Peroxide	1 quart	1 quart	1 quart.
Carbolic acid, (phenol), liquid, (liquid tar acid containing over 50 percent benzo-phenol).	Pois. B	173.345, 173.349	Poison B	55 gallons	do	55 gallons.
Carbolic acid (phenol) solid	Pois. B	173.369	do	250 pounds	50 pounds	250 pounds.
Carbon bisulfide (disulfide)	F.L.	No exemption, 173.121	Red	Not accepted	Not accepted	Not accepted.
Carbon dioxide gas, liquefied ("mining device")	Nonf. G	173.304(a)(2) Table Note 4	Green	6 pounds	do	6 pounds.
Carbon dioxide, liquefied	Nonf. G	173.306, 173.304, 173.314, 173.315.	do	300 pounds	150 pounds	300 pounds.
Carbon dioxide, nitrous oxide mixture	Nonf. G	173.306, 173.304	do	do	do	Do.
Carbon dioxide-oxygen mixture	Nonf. G	173.306, 173.304	do	do	do	Do.
Carbon monoxide	F.G.	173.306, 173.304	Red gas	150 pounds	Not accepted	150 pounds.
*Carbon remover, liquid	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
Carbonyl chloride. See Phosgene.						
Cartridge bags, empty, with black powder igniters	Expl. C	No exemption, 173.106	Orange C	150 pounds	50 pounds	150 pounds.
Cartridge cases, empty, primed	Expl. C	No exemption, 173.107	do	do	do	Do.
Cartridges, practice ammunition	Expl. C	No exemption, 173.101a	do	do	do	Do.
Cape oil. See Gasoline or *Naphtha.						
Casinghead gasoline. See Gasoline.						
Caustic potash, liquid. See Potassium hydroxide solu- tions.						
Caustic soda, liquid. See Sodium hydroxide solutions.						
*Cement, adhesive, n.o.s. See Cement, liquid, n.o.s.						
*Cement, leather	F.L.	173.118, 173.119	Red	12 gallons	1 quart	12 gallons.
*Cement, container, linoleum, tile or wallboard, liquid	F.L.	173.118, 173.132	do	16 gallons	do	16 gallons.
*Cement, liquid, n.o.s.	F.L.	173.118, 173.132	do	do	do	Do.
*Cement, pyroxylin	F.L.	173.118, 173.132	do	do	do	Do.
*Cement, roofing, liquid	F.L.	173.118, 173.119	do	12 gallons	do	12 gallons.
*Cement, rubber	F.L.	173.118, 173.132	do	do	do	15 gallons.
*Charcoal, activated	F.S.	173.162	Red Striped	200 pounds	25 pounds	200 pounds.
Charcoal briquettes	F.S.	173.162	do	do	50 pounds	Do.
Charcoal, shell	F.S.	173.162	do	do	25 pounds	Do.
Charcoal, wood, ground, crushed, granulated or pul- verized.	F.S.	173.162	do	do	do	Do.

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a) Rail express	(b) Passenger carrying aircraft	(c) Cargo only aircraft
Charcoal, wood, lump.....	F.S.	173.162	do.	100 pounds	50 pounds	50 pounds.
Charcoal screenings, made from "pinon" wood.....	F.S.	173.162	do.	200 pounds	25 pounds	200 pounds.
Charcoal wood screenings other than "pinon" wood screenings.....	F.S.	No exemption, 173.162	do.	Not accepted	Not accepted	Not accepted.
Charcoal screenings, wet.....	SCM.	Forbidden				
Charcoal, wet.....	SCM.	do.				
Charged oil well jet perforating guns (total explosive contents in guns exceeding 20 pounds per motor vehicle).....	Expl. A.	No exemption, 173.53(u), 173.80.	Orange A.	Not accepted	Not accepted	Not accepted.
Charged oil well jet perforating guns (total explosive contents in guns not exceeding 20 pounds per motor vehicle).....	Expl. C.	No exemption, 173.53(u), 173.110.	Orange C.	do.	do.	Do.
*Chemicals, n.o.s. See *Drugs, chemicals, medicines or cosmetics, n.o.s.						
Chemical ammunition (containing class A poisons, gases, or liquids).....	Pois. A.	No exemption, 173.330	Poison Gas or Poison A.	do.	do.	Do.
Chemical ammunition (containing class B poisons, liquids or solids).....	Pois. B.	173.345, 173.350	Poison B.	55 gallons	do.	55 gallons.
Chemical ammunition (containing class C poisons, liquids or solids).....	Irr.	No exemption, 173.383	Irritant	20 pounds	do.	20 pounds.
Chemical ammunition, explosive.....	Expl. A.	173.59	Orange A.	Not accepted	do.	Not accepted.
*Chemical kits.....	Cor. L.	173.286	Corrosive Liquid	1 quart	1 quart	1 quart.
*Chlorate and borate mixtures.....	Oxy. M.	173.153, 173.229	Yellow	100 pounds	25 pounds	100 pounds.
*Chlorate and magnesium chloride mixtures.....	Oxy. M.	173.153, 173.229	do.	do.	do.	Do.
Chlorates, n.o.s.....	Oxy. M.	173.153, 173.163	do.	do.	do.	Do.
Chlorates, n.o.s., wet.....	Oxy. M.	173.153, 173.163(a)(6)	do.	do.	do.	Do.
Chlorate explosives, dry. See High explosives.						
Chlorate of potash. See Potassium chlorate.						
Chlorate of soda. See Sodium chlorate.						
Chlorate powders. See High explosives.						
Chloride of phosphorus. See Phosphorus trichloride.						
Chloride of sulfur. See Sulfur chloride.						
Chlorine.....	Nonf. G.	173.306, 173.304, 173.314, 173.315.	Green	150 pounds	Not accepted	150 pounds.
Chlorine dioxide hydrate, frozen.....	Oxy. M.	No exemption, 173.237	Yellow	Not accepted	do.	Not accepted.
Chlorine trifluoride.....	Cor. L.	No exemption, 173.285	Corrosive Liquid	100 pounds	do.	100 pounds.
Chloroacetophenone, gas, liquid or solid.....	Irr.	No exemption, 173.382	Irritant	75 pounds	do.	75 pounds.
Chloroacetyl chloride.....	Cor. L.	No exemption, 173.253	Corrosive Liquid	1 quart	do.	1 quart.
Chlorobenzoyl peroxide (para).....	Oxy. M.	No exemption, 173.157, 173.158.	Peroxide	25 pounds	do.	25 pounds.
Chlorodinitrobenzoyl. See Dinitrochlorobenzol, solid.						
Chloropicrin and methyl chloride mixtures.....	Pois. A.	No exemption, 173.329(d)	Poison Gas	Not accepted	do.	Not accepted.
Chloropicrin, liquid.....	Pois. B.	No exemption, 173.357	Poison B.	24 pounds	do.	Do.
Chloropicrin, absorbed.....	Pois. B.	do.	do.	75 pounds	do.	Do.
Chloropicrin mixtures (containing no compressed gas or poisonous liquid, class A).....	Pois. B.	do.	do.	do.	do.	Do.
Chloropicrin and nonflammable, nonliquefied compressed gas mixtures.....	Pois. A.	No exemption, 173.329(c)	Poison Gas	Not accepted	do.	Do.
Chlorosulfonic acid.....	Cor. L.	173.244, 173.254	Corrosive Liquid	1 quart	1 quart	1 quart.
Chlorosulfonic acid-sulfur trioxide mixtures.....	Cor. L.	173.244, 173.254	do.	do.	do.	Do.
%4-Chloro-o-toluidine hydrochloride.....	Pois. B.	No exemption, 173.362	Poison B.	do.	Not accepted	Do.
Chromic acid mixtures, dry.....	Oxy. M.	173.153, 173.164	Yellow	100 pounds	25 pounds	100 pounds.
Chromic acid, solid.....	Oxy. M.	173.153, 173.164	do.	do.	do.	Do.
Chromic acid, solution.....	Cor. L.	173.244, 173.245, 173.287	Corrosive Liquid	1 gallon	1 quart	1 gallon.
Chromic anhydride. See Chromic acid, solid.						
Chromium trioxide. See Chromic acid, solid.						
Chromyl chloride.....	Cor. L.	No exemption, 173.247	do.	do.	Not accepted	Do.
Cigar and cigarette lighter fluid. See Lighter fluid.						
%Cigarette lighters charged with fuel.....	F.S.	173.21(d)	Red Striped	173.21(d)	do.	173.21(d).
%Cigarette loads.....	Expl. C.	No exemption, 173.111	Orange C.	150 pounds	50 pounds	150 pounds.
*Cleaning fluid or liquid.....	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
Cloud gas cylinders. See Chemical ammunition.						
Coal briquettes, hot.....	SCM.	Forbidden				
Coal gas. See Hydrocarbon gas, nonliquefied.						
%Coal, ground bituminous, sea coal, coal facings, etc.....	SCM.	173.165	Red Bottom	Not accepted	Not accepted	Not accepted.
*Coal tar distillate.....	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
*Coal tar light oil.....	F.L.	173.118, 173.119	do.	do.	do.	Do.
*Coal tar naphtha.....	F.L.	173.118, 173.119	do.	do.	do.	Do.
*Coal tar oil.....	F.L.	173.118, 173.119	do.	do.	do.	Do.
*Coating solution.....	F.L.	173.118, 173.132	do.	15 gallons	do.	15 gallons.
%Cobalt resinate, precipitated.....	SCM.	No exemption, 173.166	Red Bottom	125 pounds	Not accepted	125 pounds.
Cocculus, solid (fish berry).....	Pois. B.	173.364, 173.365	Poison B.	200 pounds	50 pounds	200 pounds.
Coke, hot.....	SCM.	Forbidden				
Collodion.....	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
Collodion cotton, wet. See Nitrocellulose, wet.						
Cologne spirits (alcohol).....	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
Columbian spirits (wood alcohol).....	F.L.	173.118, 173.119	do.	do.	do.	Do.
Combination fuzes.....	Expl. C.	No exemption, 173.105	Orange C.	150 pounds	50 pounds	150 pounds.
Combination primers.....	Expl. C.	No exemption, 173.107	do.	do.	do.	Do.
Commercial shaped charges. See High explosives.		See 173.66(h)				
Common fireworks. See Fireworks, common.						
*Compounds, cleaning, liquid.....	Cor. L.	173.244, 173.245	Corrosive Liquid	1 quart	1 quart	1 quart.
*Compounds, cleaning, liquid.....	F.L.	173.118, 173.119	Red	10 gallons	do.	10 gallons.
%Compounds, cleaning, liquid (containing hydrochloric (auriacetic) acid).....	Cor. L.	173.244, 173.263	Corrosive Liquid	10 pints	do.	10 pints.
%Compounds, cleaning, liquid (containing hydrofluoric acid).....	Cor. L.	173.244, 173.256	do.	do.	do.	Do.
Compounds, enamel.....	F.L.	173.118, 173.128	Red	55 gallons	do.	55 gallons.
Compounds, iron or steel rust preventing or removing.....	Cor. L.	173.244, 173.245	Corrosive Liquid	1 gallon	do.	1 gallon.
*Compounds, lacquer, paint or varnish, etc., removing, reducing or thinning, liquid.....	F.L.	173.118, 173.128	Red	55 gallons	do.	55 gallons.
*Compounds, lacquer, paint or varnish removing liquid.....	Cor. L.	173.244, 173.245	Corrosive Liquid	1 gallon	do.	1 gallon.
*Compounds, polishing, liquid.....	F.L.	173.118, 173.129	Red	55 gallons	do.	55 gallons.
*Compounds, tree or weed killing, liquid.....	F.L.	173.118, 173.119	do.	10 gallons	do.	10 gallons.
*Compounds, tree or weed killing, liquid.....	Pois. B.	173.345, 173.346	Poison B.	55 gallons	do.	55 gallons.
*Compounds, tree or weed killing, solid.....	Oxy. M.	173.153, 173.154, 173.229	Yellow	100 pounds	25 pounds	100 pounds.
*Compounds, type-cleaning, liquid.....	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
*Compounds, vulcanizing, liquid.....	Cor. L.	173.244, 173.245	Corrosive Liquid	1 quart	do.	1 quart.
*Compounds, vulcanizing, liquid.....	F.L.	173.118, 173.119	Red	10 gallons	do.	10 gallons.
Compressed gases, flammable, n.o.s.....	F.G.	173.306, 173.305, 173.304, 173.302.	Red Gas	300 pounds	Not accepted	300 pounds.
Compressed gases, nonflammable, n.o.s.....	Nonf. G.	173.303, 173.305, 173.304, 173.302.	Green	do.	150 pounds	Do.

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a) Rail express	(b) Passenger carrying aircraft	(c) Cargo only aircraft
Containers, reused or empty		See 173.28 or 173.29				
Copper acetoarsenite, solid (emerald green, imperial green, Kings green, moss green, meadow green, mitis green, parrot green, Vienna green).	Pois. B.	173.364, 173.367	Poison B.	200 pounds.	50 pounds.	200 pounds.
Copper arsenite, solid (Scheele's green, cupric green, copper orthoarsenite, Swedish green).	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Copper cyanide.	Pois. B.	173.370	Poison B.	No limit.	25 pounds.	No limit.
Cordeau detonant fuse.	Expl. C.	No exemption, 173.104.	Orange C.	300 pounds.	50 pounds.	300 pounds.
Corrosive battery fluid. See Electrolyte (acid), or Alkaline corrosive battery fluid.						
Corrosive liquid, n.o.s.	Cor. L.	173.244, 173.245	Corrosive liquid.	5 pints.	1 quart.	1 quart.
Cotton, burnt. See Burnt cotton.						
% Cotton, waste, oily with more than 5 percent of animal or vegetable oil.	SCM.	No exemption, 173.167.	Red Bottom.	Not accepted.	Not accepted.	Not accepted.
Crotonaldehyde.	F.L.	173.118, 173.119	Red.	10 gallons.	1 quart.	10 gallons.
*Crude nitrogen fertilizer solution.	Nonf. G.	173.306, 173.304, 173.314	Green.	300 pounds.	150 pounds.	300 pounds.
*Crude oil, petroleum.	F.L.	173.118, 173.119	Red.	10 gallons.	1 quart.	10 gallons.
% Cumene hydroperoxide (not exceeding 96 percent in nonvolatile solvent).	Oxy. M.	173.153(b), 173.224	Peroxide.	1 quart.	1 pint.	1 quart.
Cupric cyanide. See Copper cyanide.						
Cupriethylene-diamine solution.	Cor. L.	173.244, 173.249	Corrosive liquid.	1 gallon.	1 quart.	1 gallon.
Cyanides or cyanide mixtures, dry.	Pois. B.	173.364, 173.370	Poison B.	200 pounds.	25 pounds.	200 pounds.
Cyanogen bromide.	Pois. B.	No exemption, 173.379.	do.	25 pounds.	Not accepted.	25 pounds.
Cyanogen chloride containing less than 0.9 percent water.	Pois. A.	No exemption, 173.328.	Poison Gas.	Not accepted.	do.	Not accepted.
Cyanogen gas.	Pois. A.	do.	do.	do.	do.	Do.
Cyclohexane.	F.L.	173.118, 173.119	Red.	10 gallons.	1 quart.	10 gallons.
Cyclohexanone peroxide, over 50 percent concentration but not exceeding 85 percent concentration.	Oxy. M.	No exemption, 173.157, 173.158.	Peroxide.	25 pounds.	Not accepted.	25 pounds.
% Cyclohexanone peroxide, not over 50 percent concentration.	Oxy. M.	173.153, 173.154	do.	do.	1 pound.	Do.
Cyclohexenyl trichlorosilane.	Cor. L.	No exemption, 173.280.	Corrosive Liquid.	10 gallons.	Not accepted.	10 gallons.
Cyclohexyl trichlorosilane.	Cor. L.	do.	do.	do.	do.	Do.
Cyclopentane.	F.L.	173.118, 173.119	Red.	do.	1 quart.	Do.
Cyclopentane, methyl.	F.L.	173.118, 173.119	do.	do.	do.	Do.
Cyclopropane.	F.G.	173.306, 173.304	Red Gas.	300 pounds.	Not accepted.	300 pounds.
Cyclotrimethylenetrinitramine, desensitized. See High explosives.						
Cyclotrimethylenetrinitramine, wet with not less than 10 percent of water. See High explosives.						
Decaborane.	F.S. and WRM.	No exemption, 173.236.	Red Striped and Blue.	25 pounds.	do.	25 pounds.
Delay electric igniters.	Expl. C.	No exemption, 173.106.	Orange C.	150 pounds.	50 pounds.	150 pounds.
Denatured alcohol. See Alcohol, n.o.s.						
Depth bombs. See Explosive bomb. Detonating fuzes, class A explosives, with or without radioactive components.	Expl. A.	No exemption, 173.69.	Orange A.	Not accepted.	Not accepted.	Not accepted.
Detonating fuzes, class C explosives.	Expl. C.	No exemption, 173.113.	Orange C.	150 pounds.	50 pounds.	150 pounds.
Detonating primers.	Expl. A.	No exemption, 173.68.	Orange A.	Not accepted.	Not accepted.	Not accepted.
Diazodinitrophenol. See Initiating explosive.						
Dichlorodifluoromethane.	Nonf. G.	173.306, 173.304, 173.314, 173.315.	Green.	300 pounds.	150 pounds.	300 pounds.
φDichlorodifluoromethane-dichlorotetrafluoroethane mixture.	Nonf. G.	173.306, 173.304, 173.314, 173.315.	do.	do.	do.	Do.
φDichlorodifluoromethane-monochlorodifluoromethane mixture.	Nonf. G.	173.306, 173.304, 173.314.	do.	do.	do.	Do.
φDichlorodifluoromethane-trichloromonofluoromethane-monochlorodifluoromethane mixture.	Nonf. G.	173.306, 173.304, 173.314.	do.	do.	do.	Do.
φDichlorodifluoromethane-trichlorotrifluoromethane mixture.	Nonf. G.	173.306, 173.304, 173.314.	do.	do.	do.	Do.
%*Dichlorodifluoromethane-monofluorotrichloroethane mixture.	Nonf. G.	173.306, 173.314, 173.315.	do.	do.	do.	Do.
Dichlorodifluoromethane and difluoroethane mixture (constant boiling mixture).	Nonf. G.	173.306, 173.304, 173.314, 173.315.	do.	do.	do.	Do.
Dichloroethylene.	F.L.	173.118, 173.119	Red.	10 gallons.	1 quart.	10 gallons.
Dichloroisocyanuric acid, dry (containing more than 59 percent available chlorine).	Oxy. M.	173.153, 173.217	Yellow.	100 pounds.	50 pounds.	100 pounds.
%Dicumyl peroxide, solid.	Oxy. M.	173.153, 173.154	Peroxide.	25 pounds.	1 pound.	25 pounds.
%Dicumyl peroxide, not exceeding 50 percent solution.	Oxy. M.	173.153(b), 173.224	do.	1 quart.	1 pint.	1 quart.
%Diethylamine.	F.L.	173.118, 173.119	Red.	10 gallons.	1 quart.	10 gallons.
Diethyl dichlorosilane.	Cor. L.	No exemption, 173.280.	Corrosive Liquid.	do.	Not accepted.	Do.
Diethylene glycol dinitrate.	Expl. A.	173.51(d)	Orange A.	Not accepted.	do.	Not accepted.
Difluoroethane.	F.G.	173.306, 173.304, 173.314, 173.315.	Red Gas.	300 pounds.	do.	300 pounds.
Difluoromonochloroethane.	F.G.	173.306, 173.304, 173.314.	do.	do.	do.	Do.
Difluorophosphoric acid, anhydrous.	Cor. L.	No exemption, 173.275.	Corrosive Liquid.	1 gallon.	do.	1 gallon.
*Diisooctyl acid phosphate.	Cor. L.	173.244, 173.296	do.	1 quart.	1 quart.	1 quart.
%Diisopropylbenzene hydroperoxide, not exceeding 60 percent solution.	Oxy. M.	173.153(b), 173.224	Peroxide.	do.	1 pint.	Do.
Dimethylamine, anhydrous.	F.G.	173.306, 173.304, 173.314, 173.315.	Red Gas.	300 pounds.	Not accepted.	300 pounds.
Dimethylamine, aqueous solution.	F.L.	173.118, 173.119	Red.	10 gallons.	1 quart.	10 gallons.
Dimethyldichlorosilane.	F.L.	No exemption, 173.135.	Red.	do.	Not accepted.	Do.
Dimethylhexane dihydroperoxide, dry.	Oxy. M.	Forbidden.				
Dimethylhexane dihydroperoxide, wet.	Oxy. M.	No exemption, 173.157.	Peroxide.	25 pounds.	Not accepted.	25 pounds.
Dimethylhydrazine, unsymmetrical (UDMH).	F.L.	No exemption, 173.145.	Red.	5 pints.	do.	5 pints.
%Dimethyl ether.	F.G.	173.306, 173.304, 173.314, 173.315.	Red Gas.	300 pounds.	do.	300 pounds.
Dimethyl sulfate.	Cor. L.	No exemption, 173.255.	Corrosive Liquid.	1 quart.	do.	1 quart.
Dimethyl sulfide.	F.L.	173.118, 173.119	Red.	10 gallons.	1 quart.	10 gallons.
Dinitrobenzene, solid (dinitrobenzol).	Pois. B.	173.364, 173.371	Poison B.	200 pounds.	50 pounds.	200 pounds.
Dinitrobenzene, solution.	Pois. B.	173.345, 173.346	do.	55 gallons.	1 quart.	55 gallons.
Dinitrochlorobenzene, solid (dinitrochlorobenzol, chloro-dinitrobenzol).	Pois. B.	173.364, 173.365	do.	200 pounds.	50 pounds.	200 pounds.
Dinitrophenol solutions.	Pois. B.	173.345, 173.362a	do.	65 pounds.	1 quart.	65 pounds.
Diphenylaminechloroarsine.	Irr.	No exemption, 173.382.	Irritant.	75 pounds.	Not accepted.	75 pounds.
Diphenylchloroarsine, solid.	Irr.	do.	do.	20 pounds.	do.	20 pounds.
Diphenyl dichlorosilane.	Cor. L.	No exemption, 173.280.	Corrosive Liquid.	10 gallons.	do.	10 gallons.
Diphosgene. See Phosgene.						
Dispersant gas.		See 173.314(c) Table Note 13, 173.315(a) Table Note 9.				

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a)	(b)	(c)
				Rail express	Passenger carrying aircraft	Cargo only aircraft
*Distillate	F.L.	173.118, 173.119	Red	10 gallons	1 quart	Do.
Dodecyltrichlorosilane	Cor. L.	No exemption, 173.280	Corrosive Liquid	do	Not accepted	Do.
*Dressing, leather	F.L.	173.118, 173.119	Red	do	1 quart	Do.
*Driers. See *Paint driers, liquid.						
Drill cartridges		See 173.55				
*Drugs, chemicals, medicines or cosmetics, n.o.s.	F.L.	173.118, 173.119	Red	10 gallons	1 quart	Do.
*Drugs, chemicals, medicines or cosmetics, n.o.s.	F.S.	173.153, 173.154	Red striped	100 pounds	25 pounds	100 pounds
*Drugs, chemicals, medicines or cosmetics, n.o.s.	Oxy. M.	173.153, 173.154	Yellow	do	do	Do.
*Drugs, chemicals, medicines or cosmetics, n.o.s.	Cor. L.	173.244, 173.245	Corrosive Liquid	1 quart	1 quart	1 quart
*Drugs, chemicals, medicines or cosmetics, n.o.s.	SCM	173.118, 173.119, 173.153, 173.154	Red Bottom	1 quart or 5 pounds	Not accepted	Not accepted
*Drugs, chemicals, medicines or cosmetics, n.o.s.	WRM	173.118, 173.119, 173.153, 173.154	Blue	100 pounds	25 pounds	100 pounds
*Drugs, chemicals, medicines or cosmetics, n.o.s.	Oxy. M.	173.153, 173.154	Peroxide	10 pounds	Not accepted	Not accepted
%*Drugs, chemicals, medicines or cosmetics, n.o.s., liquid	Pois. B.	173.345, 173.346	Poison B	55 gallons	1 quart	55 gallons
%*Drugs, chemicals, medicines or cosmetics, n.o.s., solid	Pois. B.	173.364, 173.365	do	200 pounds	50 pounds	200 pounds
Dusts, by-product, poisonous. See arsenical dust.						
Dynamite. See High explosives.						
Electric blasting caps. See Blasting caps, electric.						
Electric squibs	Expl. C.	No exemption, 173.106	Orange C	150 pounds	do	150 pounds
Electric storage batteries, wet. See Batteries, electric stor- age, wet.						
Electrolyte (acid), battery fluid	Cor. L.	173.244, 173.257	Corrosive Liquid	5 gallons	1 quart	5 gallons
%Electrolyte (acid), or alkaline corrosive battery fluid packed with storage batteries	Cor. L.	No exemption, 173.258	do	2 gallons	Not accepted	2 gallons
Electrolyte (acid) or alkaline corrosive battery fluid packed with battery charger, radio current supply device, or electronic equipment and actuating devices	Cor. L.	No exemption, 173.259	do	6 quarts	do	6 quarts
Empty cartridge bags with black powder igniters	Expl. C.	No exemption, 173.106	Orange C	150 pounds	50 pounds	150 pounds
Empty cartridge cases, primed	Expl. C.	No exemption, 173.107	do	do	do	Do.
*Enamel. See *Paint, enamel, lacquer, stain, shellac, varnish, etc.						
Engine starting fluid	F.G.	No exemption, 173.304	Red Gas	60 pounds	Not accepted	60 pounds
%Engines, internal combustion		See 173.120				
*Eradicators, paint or grease, liquid	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons
Etching acid liquid, n.o.s.	Cor. L.	No exemption, 173.299	Corrosive Liquid	10 pounds	Not accepted	10 pounds
Ethane	F.G.	173.306, 173.304	Red Gas	300 pounds	do	300 pounds
Ether	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons
Ethyl acetate	F.L.	173.118, 173.119	do	do	do	Do.
Ethyl alcohol. See Alcohol, n.c.s.						
Ethyl aldehyde. See Acetaldehyde.						
Ethyl chloride	F.L.	No exemption, 173.123	do	300 pounds in cylinders 15 pounds in other containers.	Not accepted	300 pounds
Ethyl chloroformate (chlorocarbonate)	Cor. L.	No exemption, 173.288	Corrosive Liquid	5 pints	do	5 pints
Ethyl dichloroarsine	Pois. A.	No exemption, 173.328	Poison A	Not accepted	do	Not accepted
Ethyl dichlorosilane	F.L.	No exemption, 173.135	Red	10 gallons	do	10 gallons
*Ethylene	F.G.	173.306, 173.304	Red Gas	300 pounds	do	300 pounds
Ethylene dichloride	F.L.	173.118, 173.119	do	10 gallons	1 quart	10 gallons
Ethylene imine, inhibited	F.L.	No exemption, 173.139	do	5 pints	Not accepted	5 pints
Ethylene oxide	F.L.	No exemption, 173.124	do	300 pounds in cylinders, 15 pounds in other con- tainers.	do	300 pounds
Ethyl ether. See Ether.						
Ethyl formate	F.L.	173.118, 173.119	do	10 gallons	1 quart	10 gallons
Ethyl mercaptan	F.L.	No exemption, 173.141	do	do	Not accepted	Do.
Ethyl methyl ether	F.L.	173.118, 173.119	do	do	1 quart	Do.
Ethyl methyl ketone	F.L.	173.118, 173.119	do	do	do	Do.
Ethyl nitrate (nitric ether)	F.L.	173.118, 173.119	do	do	do	Do.
Ethyl nitrite (nitrous ether)	F.L.	173.118, 173.119	do	do	do	Do.
Ethyl phenyl dichlorosilane	Cor. L.	No exemption, 173.280	Corrosive Liquid	do	do	Do.
Ethyl trichlorosilane	F.L.	No exemption, 173.135	Red	do	do	Do.
Etiologic agents, n.o.s.	Etiol.	No exemption, 173.388	Etiologic	1 gallon	do	1 gallon
Explosive auto alarms	Expl. C.	No exemption, 173.111	Orange C	150 pounds	50 pounds	150 pounds
Explosive bomb	Expl. A.	No exemption, 173.56	Orange A	Not accepted	Not accepted	Not accepted
Explosive cable cutters	Expl. C.	No exemption, 173.102	Orange C	150 pounds	50 pounds	150 pounds
Explosives, class A	Expl. A.	See 173.53	Orange A	do	do	Do.
Explosives, class B	Expl. B.	See 173.88	Orange B	do	do	Do.
Explosives, class C	Expl. C.	See 173.100	Orange C	do	do	Do.
Explosive mine	Expl. A.	No exemption, 173.56	Orange A	Not accepted	Not accepted	Not accepted
Explosive power device, class B	Expl. B.	No exemption, 173.94	Orange B	150 pounds	do	150 pounds
Explosive power device, class C	Expl. C.	No exemption, 173.102	Orange C	do	50 pounds	Do.
Explosive projectile	Expl. A.	No exemption, 173.56	Orange A	Not accepted	Not accepted	Not accepted
Explosive release device	Expl. C.	No exemption, 173.102	Orange C	150 pounds	50 pounds	150 pounds
Explosive rivets	Expl. C.	No exemption, 173.100(q)	do	do	do	Do.
% Explosives, samples for laboratory examination		See 173.86				
Explosive torpedo	Expl. A.	No exemption, 173.56	Orange A	Not accepted	Not accepted	Not accepted
*Extracts, liquid, flavoring	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons
Fabrics with animal or vegetable oil. See Fibers of fabrics with animal or vegetable oil.						
Felt waste, wet. See Waste wool, wet.						
Ferric arsenate, solid	Pois. B.	173.364, 173.365	Poison B	200 pounds	50 pounds	200 pounds
Ferric arsenite, solid	Pois. B.	173.364, 173.365	do	do	do	Do.
Ferrous arsenate (iron arsenate), solid	Pois. B.	173.364, 173.365	do	do	do	Do.
*Fertilizer ammoniating solution containing free ammonia	Nonf. G.	173.306, 173.304, 173.314	Green	300 pounds	Not accepted	300 pounds
Fertilizer, tankage. See Garbage, tankage.						
% Fiber, burnt	SCM	No exemption, 173.169	Red Bottom	Not accepted	do	Not accepted
% Fibers or fabrics, with animal or vegetable oil	SCM	No exemption, 173.170	do	do	do	Do.
*Film (nitrocellulose)	F.S.	No exemption, 173.177, 173.178, 173.180	Red Striped	200 pounds	50 pounds	200 pounds
% Film (slow-burning)	F.S.	173.181(a)(1)	do	No limit	do	No limit
Film scrap (nitrocellulose), samples	F.S.	No exemption, 173.196	do	25 pounds	do	No limit
Film scrap (nitrocellulose), other than samples	F.S.	No exemption, 173.195	do	Not accepted	Not accepted	Not accepted
% Film scrap (slow-burning)	F.S.	173.181(a)(2)	do	No limit	50 pounds	No limit
*Film, toy (nitrocellulose)	F.S.	No exemption, 173.179	do	200 pounds	do	200 pounds
% Film, toy (slow-burning)	F.S.	173.181(a)(1)	do	No limit	do	No limit

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
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				Rail express	Passenger carrying aircraft	Cargo only aircraft
Φ Film, toy pieces (nitrocellulose).....	F.S.	173.181(a)(3)	do.	Not accepted	Not accepted	Not accepted.
Firecrackers. See Fireworks, common or special.						
Firecracker salutes. See Common fireworks or Special fireworks.						
Fire extinguisher charges.....	Cor. L.	173.261	Corrosive Liquid..	1 gallon.	1 quart.	1 gallon.
% Fire extinguisher charges containing not more than 50 grains of propellant explosives per unit.	Expl. B.	173.88(f), Note 1	None.	No limit.	50 pounds.	No limit.
Fire extinguishers.....	Nonf. G.	173.306	Green.	300 pounds.	150 pounds.	300 pounds.
% Fireworks, common.....	Expl. C.	No exemption, 173.100(r), 173.108	Orange C.	200 pounds.	Not accepted.	200 pounds.
Fireworks, exhibition display pieces. See Fireworks, special.						
Fireworks, special.....	Expl. B.	No exemption, 173.88(d), 173.91	Orange B.	do.	do.	Do.
Fish meal or fish scrap containing less than 6 percent or more than 12 percent moisture.	SCM.	No exemption, 173.171	Red Bottom.	Not accepted.	do.	Not accepted.
% Fissile radioactive materials See Radioactive materials, fissile.						
* Flame retardant compound, liquid.....	Cor. L.	173.244, 173.291	Corrosive Liquid..	10 gallons.	1 quart.	10 gallons.
Flammable liquids, n.o.s.	F.L.	173.118, 173.119	Red.	do.	do.	Do.
Flammable solids, n.o.s.	F.S.	173.153, 173.154	Red Striped.	25 pounds.	25 pounds.	25 pounds.
Flares. See Fireworks, common.						
Flares, aeroplane. See Fireworks, special.						
Flash cartridges. See Fireworks, special or low explosives.						
Flash crackers. See Fireworks, common or special.						
Flash powder. See Fireworks, special or low explosives.						
Flash sheets. See Fireworks, special or low explosives.						
% Flexible linear shaped charges, metal clad.	Expl. C.	No exemption, 173.104	Orange C.	300 pounds.	50 pounds.	300 pounds.
Flue dust, poisonous.	Pois. B.	173.364, 173.368	Poison B.	200 pounds.	do.	200 pounds.
Fluorine.	F.G.	173.306, 173.302	Red Gas.	6 pounds.	Not accepted.	Not accepted.
Fluosulfonic acid.	Cor. L.	No exemption, 173.274	Corrosive Liquid..	10 pints.	do.	10 pints.
Formic acid.	Cor. L.	173.244, 173.245, 173.289	do.	5 gallons.	1 quart.	5 gallons.
Formic acid, solution.	Cor. L.	173.244, 173.245, 173.289	do.	do.	do.	Do.
Fulminate of mercury, dry.	Expl. A.	Forbidden.				
Fulminate of mercury, wet. See Initiating explosive.						
* Fumigants		See 173.152(a), Note 1.				
Fuse igniters.....	Expl. C.	No exemption, 173.106	Orange C.	150 pounds.	50 pounds.	150 pounds.
% Fuse, instantaneous.	Expl. C.	173.100(m)	do.	do.	do.	Do.
Fuse lighters.	Expl. C.	No exemption, 173.106	do.	do.	do.	Do.
Fuse, mild detonating, metal clad.	Expl. C.	No exemption, 173.104	do.	300 pounds.	do.	300 pounds.
% Fuse, safety.	Expl. C.	173.100(o)	do.	do.	do.	Do.
% Fuses (railway and highway).	Expl. C.	No exemption, 173.108	do.	200 pounds.	do.	200 pounds.
Fuzes, combination.	Expl. C.	No exemption, 173.105	do.	150 pounds.	do.	150 pounds.
Fuzes, detonating, class A explosives.	Expl. A.	No exemption, 173.69	Orange A.	Not accepted.	Not accepted.	Not accepted.
Fuzes, detonating, class A explosives, radioactive.	Expl. A.	do.	do.	do.	do.	Do.
Fuzes, detonating, class C explosives.	Expl. C.	No exemption, 173.113	Orange C.	150 pounds.	50 pounds.	150 pounds.
Fuzes, percussion, nondetonating.	Expl. C.	No exemption, 173.105	do.	do.	do.	Do.
Fuzes, time, nondetonating.	Expl. C.	do.	do.	do.	do.	Do.
Fuzes, tracer, nondetonating.	Expl. C.	do.	do.	do.	do.	Do.
Garbage tankage containing less than 8 percent of moisture.	SCM.	No exemption, 173.209	Red Bottom.	Not accepted.	Not accepted.	Not accepted.
Gas cylinders, empty.		See 173.29				
* Gas drips, hydrocarbon.	F.L.	173.118, 173.119	Red.	10 gallons.	1 quart.	10 gallons.
Gas identification sets.	Pois. A or Irr.	No exemption, 173.331	Poison A or Irritant.	See 173.331		
Gas mine. See Explosive mine.						
% Gasoline (including casing head and natural).	F.L.	173.118, 173.119	Red.	10 gallons.	1 quart.	Do.
Gelatine dynamite. See High explosives.						
Grenades, empty, primed.	Expl. C.	No exemption, 173.107	Orange C.	150 pounds.	50 pounds.	150 pounds.
Grenades, hand or rifle, explosive (with or without gas, smoke or incendiary material).	Expl. A.	No exemption, 173.56	Orange A.	Not accepted.	Not accepted.	Not accepted.
Grenades, without bursting charges:						
With incendiary material.	Expl. B.	See 173.91	Orange B.	50 pounds.	do.	50 pounds.
% With smoke charges.	Expl. C.	See 173.108	Orange C.	200 pounds.	50 pounds.	200 pounds.
With poison gas charges.	Pois. A.	See 173.330	Poison Gas.	Not accepted.	Not accepted.	Not accepted.
% With toxic gas charges.	Pois. B.	See 173.350	Poison B.	do.	do.	Do.
Grenades, police.	Pois. A.	No exemption, 173.335	Poison Gas.	Not accepted.	do.	Do.
Grenades, tear gas.	Irr.	No exemption, 173.385	Irritant.	75 pounds.	do.	75 pounds.
Guanyl nitrate.	Oxy. M.	173.153, 173.182	Yellow.	100 pounds.	25 pounds.	100 pounds.
Guanyl nitrosamino guanylidene hydrazine. See Initiating explosive.						
Guanyl nitrosamino guanyl tetrazine. See Initiating explosive.						
Guided missiles, with warheads. See Rocket ammunition with explosive, illuminating, gas, incendiary, or smoke projectile.						
Guided missiles without warheads. See Rocket motors, class A explosives or rocket motors, class B explosives.						
Guncotton. See High explosives.						
Hafnium metal, dry, mechanically produced, finer than 270 mesh particle size.	F.S.	No exemption, 173.214	Red Striped.	75 pounds.	Not accepted.	75 pounds.
Hafnium metal, dry, chemically produced, finer than 20 mesh particle size.	SCM.	do.	Red Bottom.	do.	do.	Do.
Hafnium metal, wet, mechanically produced, finer than 270 mesh particle size.	F.S.	do.	Red Striped.	150 pounds.	do.	150 pounds.
Hafnium metal, wet, chemically produced, finer than 20 mesh particle size.	F.S.	do.	do.	do.	do.	Do.
Hair, wet.	SCM.	No exemption, 173.172	Red Bottom.	Not accepted.	do.	Not accepted.
Hand signal devices.	Expl. C.	No exemption, 173.108	Orange C.	200 pounds.	50 pounds.	200 pounds.
% Heaters for refrigerator cars, liquid fuel type.	F.L.	173.146	Red.	No limit.	do.	No limit.
Helium.	Nonf. G.	173.306, 173.302, 173.314	Green.	300 pounds.	150 pounds.	300 pounds.
Helium-oxygen mixture.	Nonf. G.	173.306, 173.302	do.	do.	do.	Do.
Heptane.	F.L.	173.118, 173.119	Red.	10 gallons.	1 quart.	10 gallons.
Hexadecyltrichlorosilane.	Cor. L.	No exemption, 173.280	Corrosive Liquid..	do.	Not accepted.	Do.
Hexaethyl tetraphosphate and compressed gas mixture.	Pois. A.	No exemption, 173.334	Poison Gas.	Not accepted.	do.	Not accepted.
Hexaethyl tetraphosphate, liquid.	Pois. B.	No exemption, 173.368	Poison B.	1 quart.	do.	1 quart.
% Hexaethyl tetraphosphate mixture, dry, (containing more than 2 percent hexaethyl tetraphosphate).	Pois. B.	173.237	do.	200 pounds.	do.	200 pounds.
% Hexaethyl tetraphosphate mixture, dry, (containing not more than 2 percent hexaethyl tetraphosphate).	Pois. B.	173.377(f)	do.	do.	50 pounds.	Do.

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
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				Rail express	Passenger carrying aircraft	Cargo only aircraft
% Hexaethyl tetraphosphate mixture, liquid, (containing more than 25 percent hexaethyl tetraphosphate).	Pois. B.	173.359	do.	1 quart.	Not accepted	1 quart.
% Hexaethyl tetraphosphate mixture, liquid, (containing not more than 25 percent hexaethyl tetraphosphate).	Pois. B.	173.359(c)	do.	do.	½ pint.	Do.
Hexafluorophosphoric acid.	Cor. L.	No exemption 173.275.	Corrosive Liquid.	1 gallon.	Not accepted	1 gallon.
Hexafluoropropylene.	Nonf. G.	173.306, 173.304, 173.314, 173.315.	Green.	300 pounds.	150 pounds.	300 pounds.
Hexamethylene diamine solution.	Cor. L.	173.244, 173.249, 173.292	Corrosive Liquid.	10 gallons.	1 quart.	10 gallons.
Hexane.	F.L.	173.118, 173.119.	Red.	do.	do.	Do.
Hexyl trichlorosilane.	Cor. L.	No exemption 173.280.	Corrosive Liquid.	do.	Not accepted	Do.
High explosives.	Expl. A.	No exemption 173.61 to 173.87 inclusive.	Orange A.	See 173.86.	do.	Not accepted.
High explosives, liquid.	Expl. A.	No exemption 173.62.	do.	Not accepted	do.	Do.
Highway fuses. See Fuses.						
High wines. See Alcohol, n.o.s.						
Hydraulic accumulators. See Accumulator, pressurized.						
Hydrazine, anhydrous.	Cor. L.	No exemption 173.276.	Corrosive Liquid.	5 pints.	do.	5 pints.
% Hydrazine solution (containing 60 percent or less of water).	Cor. L.	do.	do.	do.	do.	Do.
Hydriodic acid.	Cor. L.	173.244, 173.245.	do.	1 gallon.	1 quart.	1 gallon.
Hydrobromic acid, solution.	Cor. L.	173.244, 173.262.	do.	do.	do.	Do.
Hydrobromic acid, anhydrous. See Hydrogen bromide.						
Hydrocarbon gas, liquefied.	F.G.	173.306, 173.304, 173.314.	Red Gas.	300 pounds.	Not accepted.	300 pounds.
Hydrocarbon gas, nonliquefied.	F.G.	173.306, 173.302.	do.	do.	do.	Do.
Hydrochloric (muriatic) acid.	Cor. L.	173.244, 173.263.	Corrosive Liquid.	10 pints.	1 quart.	10 pints.
Hydrochloric acid, anhydrous. See Hydrogen chloride.						
Hydrochloric acid mixtures.	Cor. L.	173.244, 173.263.	do.	do.	do.	Do.
Hydrochloric acid solution, inhibited.	Cor. L.	173.244, 173.263.	do.	do.	do.	Do.
Hydrocyanic acid, liquefied.	Pois. A and F.L.	No exemption, 173.332.	Poison A and Red.	Not accepted.	Not accepted.	Not accepted.
Hydrocyanic acid (prussic), liquid.	Pois. A and F.L.	do.	do.	do.	do.	Do.
Hydrocyanic acid (prussic), unstabilized.	Pois. A.	Forbidden.				
Hydrocyanic acid solution not more than 5 percent.	Pois. B.	No exemption, 173.351.	Poison B.	25 pounds.	Not accepted.	25 pounds.
Hydrofluoric acid solution.	Cor. L.	173.244, 173.264(a).	Corrosive Liquid.	10 pints.	1 quart.	10 pints.
Hydrofluoric acid, anhydrous. See Hydrogen fluoride.						
Hydrofluoric and sulfuric acids, mixtures.	Cor. L.	No exemption, 173.290.	do.	do.	Not accepted.	Do.
Hydrofluosilicic acid.	Cor. L.	173.244, 173.265.	do.	do.	1 quart.	Do.
Hydrogen.	F.G.	173.306, 173.302, 173.314.	Red Gas.	300 pounds.	Not accepted.	300 pounds.
Hydrogen bromide.	Nonf. G.	173.306, 173.304.	Green.	do.	do.	Do.
Hydrogen chloride.	Nonf. G.	173.306, 173.304.	do.	do.	do.	Do.
Hydrogen fluoride.	Cor. L.	No exemption, 173.264(b).	Corrosive Liquid.	110 pounds.	do.	110 pounds.
Hydrogen, liquefied.	F.G.	No exemption, 173.316.	Red Gas.	Not accepted.	do.	Not accepted.
Hydrogen peroxide (hydrogen dioxide) solution in water containing over 8 percent hydrogen peroxide by weight.	Cor. L.	173.244, 173.266.	Corrosive Liquid.	1 gallon.	1 quart.	1 gallon.
Hydrogen sulfide.	F.G.	173.306, 173.304, 173.314.	Red Gas.	300 pounds.	Not accepted.	300 pounds.
Hypochlorite solutions containing more than 7 percent available chlorine by weight.	Cor. L.	173.277.	Corrosive Liquid.	4 gallons.	1 quart.	4 gallons.
Igniter cord.	Expl. C.	No exemption, 173.100(s).	Orange C.	150 pounds.	50 pounds.	150 pounds.
Igniter fuse—metal clad.	Expl. C.	No exemption, 173.106.	do.	do.	do.	Do.
Igniters.	Expl. C.	do.	do.	do.	do.	Do.
Igniters, jet thrust (jato), class A explosives.	Expl. A.	No exemption, 173.79.	Orange A.	Not accepted.	Not accepted.	Not accepted.
Igniters, jet thrust (jato), class B explosives.	Expl. B.	No exemption, 173.92.	Orange B.	550 pounds.	do.	550 pounds.
Igniters, rocket motor, class A explosives.	Expl. A.	No exemption, 173.79.	Orange A.	do.	do.	Not accepted.
Igniters, rocket motor, class B explosives.	Expl. B.	No exemption, 173.92.	Orange B.	do.	do.	550 pounds.
Illuminating projectiles. See Fireworks, special.						
Initiating explosive.	Expl. A.	No exemption, 173.70 to 173.78 inclusive.	Orange A.	Not accepted.	do.	Not accepted.
Diazodinitrophenol.		No exemption, 173.70.				
Fulminate of mercury.		No exemption, 173.71.				
Guanyl nitrosamino guanylidene hydrazine.		No exemption, 173.72.				
Lead azide, dextrinated type only.		No exemption, 173.73.				
Lead mononitrosorsorcinat.		No exemption, 173.70.				
Lead styphnate (lead trinitrosorsorcinat).		No exemption, 173.74.				
Nitro mannite.		No exemption, 173.75.				
Nitrosoguanidine.		No exemption, 173.76.				
Pentaerythrite tetranitrate.		No exemption, 173.77.				
Tetrazene (guanyl nitrosamino guanyl tetrazene).		No exemption, 173.78.				
Ink.	F.L.	173.118, 173.144.	Red.	10 gallons.	1 quart.	10 gallons.
Insecticide, dry n.o.s.	Pois. B.	173.364, 173.365.	Poison B.	200 pounds.	50 pounds.	200 pounds.
Insecticide, liquid, n.o.s.	Pois. B.	173.345, 173.346.	do.	55 gallons.	1 quart.	55 gallons.
Insecticide, liquefied gas, containing no poison (class A or B) material.	Nonf. G.	173.306, 173.304.	Green.	300 pounds.	150 pounds.	300 pounds.
Insecticide, liquefied gas, containing poison (class A or B) material.	Pois. A.	173.329, 173.334.	Poison Gas.	Not accepted.	Not accepted.	Not accepted.
Insecticide, liquid (vermin exterminator).	F.L.	173.118, 173.119.	Red.	10 gallons.	1 quart.	10 gallons.
Iodine monochloride.	Cor. L.	No exemption, 173.293.	Corrosive Liquid.	1 quart.	Not accepted.	1 quart.
Iron mass or sponge, spent.	SCM.	No exemption, 173.174.	Red Bottom.	Not accepted.	do.	Not accepted.
Iron mass or sponge, not properly oxidized.	SCM.	No exemption, 173.174.	do.	do.	do.	Do.
Irritating agents, n.o.s.	Irr.	No exemption, 173.382.	Irritant.	75 pounds.	do.	75 pounds.
Isobutane. See Liquefied petroleum gas.						
Isobutylene. See Liquefied petroleum gas.						
Isocetane.	F.L.	173.118, 173.119.	Red.	10 gallons.	1 quart.	10 gallons.
Isocetene.	F.L.	173.118, 173.119.	do.	do.	do.	Do.
Isopentane.	F.L.	173.118, 173.119.	do.	do.	do.	Do.
Isoprene.	F.L.	173.118, 173.119.	do.	do.	do.	Do.
Isopropyl alcohol.	F.L.	173.118, 173.119.	do.	do.	do.	Do.
Isopropyl acetate.	F.L.	173.118, 173.119.	do.	do.	do.	Do.
Isopropyl mercaptan.	F.L.	173.118, 173.119.	do.	do.	do.	Do.
Isopropyl percarbonate, stabilized.	Cor. L.	No exemption, 173.141.	do.	do.	Not accepted.	Do.
Isopropyl percarbonate, unstabilized.	Cor. L.	No exemption, 173.282.	Corrosive Liquid.	Not accepted.	do.	Not accepted.
Jet thrust igniters. See Igniters, jet thrust.	F.S.	No exemption, 173.218.	Red Striped.	do.	do.	Do.
Jet thrust unit (jato), class A explosives.	Expl. A.	No exemption, 173.79.	Orange A.	do.	do.	Do.
Jet thrust unit (jato), class B explosives.	Expl. B.	No exemption, 173.92.	Orange B.	550 pounds.	do.	550 pounds.
Lacquer. See *Paint, enamel, lacquer, stain, shellac, varnish, etc.						
Lacquer base, liquid. See *Paint, enamel, lacquer, stain, shellac, varnish, etc.						

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
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				Rail express	Passenger carrying aircraft	Cargo only aircraft
*Lacquer base or lacquer chips, dry	F.S.	173.153, 173.175	Red Striped	100 pounds	25 pounds	100 pounds
*Lacquer base or lacquer chips, plastic (wet with alcohol or solvent).	F.L.	173.118, 173.127	Red	25 pounds	1 quart	25 pounds
*Lacquer removing, reducing and thinning compounds. See *Compounds, lacquer, paint, or varnish removing, reducing, or thinning liquids.						
%Lauroyl peroxide	Oxy. M.	173.153(b), 173.157, 173.158	Peroxide	do.	1 pound	Do.
Lead arsenate, solid	Pois. B.	173.364, 173.367	Poison B.	200 pounds	50 pounds	200 pounds
Lead arsenite, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Lead azide. See Initiating explosive.						
%Lead cyanide	Pois. B.	173.370	do.	No limit	25 pounds	No limit.
Lead mononitrosorsorcinat. See Initiating explosive.						
Lead nitrate	Oxy. M.	173.153, 173.182	Yellow	100 pounds	do.	100 pounds
Lead styphnate (lead trinitrosorsorcinat). See Initiating explosive.						
*Leather bleach	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons
*Leather dressing	F.L.	173.118, 173.119	do.	do.	do.	Do.
Lewisite	Pois. A.	No exemption, 173.328	Poison A.	Not accepted	Not accepted	Not accepted
Lighter fluid	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons
Liquefied hydrocarbon gas	F.G.	173.306, 173.304, 173.314	Red Gas	300 pounds	Not accepted	300 pounds
% Liquefied nonflammable gases charged with nitrogen, carbon dioxide or air.	Nonf. G.	173.306, 173.304	Green	do.	30 pounds	Do.
φLiquefied petroleum gas	F.G.	173.306, 173.304, 173.314, 173.315	Red Gas	do.	Not accepted	Do.
Liquids other than those classified as flammable, corrosive, or poisonous charged with nitrogen, carbon dioxide or air. See Compressed gases, n.o.s.						
Lithium aluminum hydride	WRM.	No exemption, 173.206	Blue	25 pounds	do.	25 pounds
Lithium aluminum hydride, ethereal	F. L.	No exemption, 173.137	Red	1 quart	do.	1 quart.
Lithium amide, powdered	WRM.	173.153, 173.168	Blue	100 pounds	25 pounds	100 pounds
Lithium ferro silicon	WRM.	No exemption, 173.206	do.	25 pounds	Not accepted	25 pounds
Lithium hydride	WRM.	do.	do.	do.	do.	Do.
Lithium hydride in solid forms	WRM.	do.	do.	100 pounds	do.	100 pounds
Lithium hypochlorite compounds, dry (containing more than 39 percent available chlorine).	Oxy. M.	173.153, 173.217	Yellow	do.	50 pounds	Do.
Lithium metal	WRM.	No exemption, 173.206	Blue	25 pounds	Not accepted	25 pounds
Lithium metal, in cartridges	WRM.	See 173.206	do.	do.	1 pound	Do.
Lithium peroxide	Oxy. M.	173.153(a), 173.164	Yellow	100 pounds	25 pounds	100 pounds
Lithium silicon	WRM.	No exemption, 173.206	Blue	25 pounds	Not accepted	25 pounds
London purple, solid	Pois. B.	173.364, 173.365	Poison B.	200 pounds	50 pounds	200 pounds
Low explosives	Expl. A.	No exemption, 173.60	Orange A.	Not accepted	Not accepted	Not accepted
Low blasting explosives. See Low explosives.						
Magnesium arsenate, solid	Pois. B.	173.364, 173.367	Poison B.	200 pounds	50 pounds	200 pounds
Magnesium dross, wet or hot	SCM.	Forbidden, 173.173				
*Magnesium, metallic (powdered, pellets, turnings or ribbon).	WRM.	173.153, 173.220	Blue	100 pounds	25 pounds	100 pounds
Magnesium nitrate	Oxy. M.	173.153, 173.182	Yellow	do.	do.	Do.
Magnesium perchlorate	Oxy. M.	173.153, 173.154	do.	do.	do.	Do.
Magnesium peroxide, solid	Oxy. M.	173.153, 173.154	do.	do.	do.	Do.
Magnesium scrap (borings, clippings, shavings, sheets, turnings or scalings).	WRM.	173.153, 173.220	Blue	do.	Not accepted	Not accepted
% Magnetized materials		See: § 173.6(d)				
Matches, block. See Matches, strike anywhere.						
Matches Book, card, or strike-on-box	F.S.	173.176(g)	Red Striped	No limit	50 pounds	50 pounds
Matches, strike anywhere	F.S.	No exemption 173.176	do.	60 pounds	Not accepted	Not accepted
*Medicines, n.o.s. See *Drugs, chemicals, medicines, or cosmetics, n.o.s.						
Memtetrahydro phthalic anhydride	Cor. L.	No exemption, 173.208	Corrosive Liquid	1 quart	do.	1 quart.
*Mercaptan mixtures, aliphatic	F.L.	No exemption, 173.141	Red	10 gallons	do.	10 gallons
*Mercurial liquid, n.o.s.	Pois. B.	173.345, 173.346	Poison B.	55 gallons	1 quart	55 gallons
Mercuric acetate	Pois. B.	173.364, 173.365	do.	200 pounds	50 pounds	200 pounds
Mercuric-ammonium chloride, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercuric benzoate, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercuric bromide, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercuric chloride	Pois. B.	173.364, 173.372	do.	do.	do.	Do.
Mercuric cyanide, solid	Pois. B.	173.370	do.	do.	do.	Do.
Mercuric iodide, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercuric iodide, solution	Pois. B.	173.345, 173.346	do.	55 gallons	1 quart	55 gallons
Mercuric oleate, solid	Pois. B.	173.364, 173.365	do.	200 pounds	50 pounds	200 pounds
Mercuric oxide, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercuric oxycyanide, solid	Pois. B.	173.364, 173.365	do.	do.	25 pounds	Do.
Mercuric-potassium cyanide, solid	Pois. B.	173.364, 173.365, 173.370	do.	do.	do.	Do.
Mercuric-potassium iodide, solid	Pois. B.	173.364, 173.365	do.	do.	50 pounds	Do.
Mercuric salicylate, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercuric subsulfate, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercuric sulfate, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercuric sulfo cyanate, solid (mercuric thiocyanate)	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercuriol (mercury nucleate), solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercurous acetate, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercurous bromide, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercurous gluconate, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercurous iodide, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercurous nitrate, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercurous oxide, black, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercurous sulfate, solid	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercury compounds, n.o.s. (solid)	Pois. B.	173.364, 173.365	do.	do.	do.	Do.
Mercury fulminate. See Initiating explosive.						
Methanol. See Methyl alcohol.						
Methane	F.G.	173.306, 173.304	Red Gas	300 pounds	Not accepted	300 pounds
Methyl acetate	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons
Methyl acetone	F.L.	173.118, 173.119	do.	do.	do.	Do.
Methylacetylene—15 percent to 20 percent propadiene, mixture.	F.G.	173.306, 173.304, 173.314	Red Gas	300 pounds	Not accepted	300 pounds
Methyl alcohol (methanol)	F.L.	173.118, 173.125	Red	10 gallons	1 quart	10 gallons
Methyl bromide and chloropicrin mixture, liquid	Pois. B.	No exemption, 173.353	Poison B.	55 gallons	Not accepted	55 gallons
Methyl bromide and ethylene dibromide mixture, liquid	Pois. B.	do.	do.	do.	do.	Do.
Methyl bromide and nonflammable, nonliquified com- pressed gas mixtures, liquid.	Pois. B.	do.	do.	300 pounds	do.	300 pounds
Methyl bromide, liquid (bromomethane)	Pois. B.	do.	do.	55 gallons	do.	55 gallons

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a) Rail express	(b) Passenger carrying aircraft	(c) Cargo only aircraft
Methyl chloride.....	F. G.	173.306, 173.304, 173.314, 173.315.	Red Gas.....	300 pounds.....	do.....	300 pounds.
Methyl chloride-methylene chloride mixture.....	F. G.	173.306, 173.304, 173.314	do.....	do.....	do.....	Do.
Methyl chloroformate.....	Cor. L.	No exemption, 173.288.	Corrosive Liquid.....	5 pints.....	do.....	5 pints.
Methylchloromethyl ether, anhydrous.....	F. L.	No exemption, 173.143.	Red.....	Not accepted.....	do.....	Not accepted.
Methyldichloroarsine.....	Pois. A.	No exemption, 173.328.	Poison A.....	do.....	do.....	Do.
Methyl dichlorosilane.....	F. L.	No exemption, 173.136.	Red.....	10 gallons.....	do.....	10 gallons.
Methyl ethyl ketone.....	F. L.	173.118, 173.119.	do.....	do.....	1 quart.....	Do.
Methyl formate.....	F. L.	173.118, 173.119.	do.....	do.....	do.....	Do.
Methyl hydrate. <i>See</i> Alcohol, n.o.s.						
Methylhydrazine.....	F. L.	No exemption, 173.145.	do.....	5 pints.....	Not accepted.....	5 pints.
Methyl iso-propenyl ketone, inhibited.....	F. L.	173.118, 173.119.	do.....	10 gallons.....	1 quart.....	10 gallons.
Methyl magnesium bromide in ethyl ether in concentra- tions not over 40 percent.	F. L.	No exemption, 173.149.	do.....	6 quarts.....	Not accepted.....	2 ounces.
Methyl mercaptan.....	F. G.	173.306, 173.304, 173.314, 173.315.	Red Gas.....	300 pounds.....	do.....	300 pounds.
Methyl methacrylate monomer.....	F. L.	173.118, 173.119.	Red.....	10 gallons.....	1 quart.....	10 gallons.
Methyl parathion, liquid.....	Pois. B.	No exemption, 173.358.	Poison B.....	1 quart.....	Not accepted.....	1 quart.
%Methyl parathion mixture, dry (containing more than 2 percent methyl parathion).	Pois. B.	173.377.	do.....	200 pounds.....	do.....	200 pounds.
%Methyl parathion mixture, dry (containing not more than 2 percent methyl parathion).	Pois. B.	173.377(f).	do.....	do.....	50 pounds.....	Do.
%Methyl parathion mixture, liquid (containing more than 25 percent methyl parathion).	Pois. B.	173.359.	do.....	1 quart.....	Not accepted.....	1 quart.
%Methyl parathion mixture, liquid (containing not more than 25 percent methyl parathion).	Pois. B.	173.359(c).	do.....	do.....	½ pint.....	Do.
Methyl pentane.....	F. L.	173.118, 173.119.	Red.....	10 gallons.....	1 quart.....	10 gallons.
%Methyltrichlorosilane.....	F. L.	No exemption, 173.135.	do.....	do.....	Not accepted.....	Do.
Methyl vinyl ketone, inhibited.....	F. L.	173.147.	do.....	do.....	4 ounces.....	Do.
Mild detonating fuse, metal clad. <i>See</i> Fuse.						
Mine rescue equipment.....	Nonf. G.	173.306(a)(2), 176.703(d).	Green.....	300 pounds.....	150 pounds.....	300 pounds.
Mines, empty.....		See 173.55.				
Mines, explosive, with gas material. <i>See</i> Explosive mine.						
Mixed acid. <i>See</i> Nitrating (mixed) acid.						
Mixtures of hydrofluoric and sulfuric acid. <i>See</i> Hydro- fluoric and sulfuric acids, mixtures.						
Monobromotrifluoromethane.....	Nonf. G.	173.306, 173.304, 173.314.	Green.....	300 pounds.....	150 pounds.....	300 pounds.
Monochloroacetic acid, solution.....	Cor. L.	173.244, 173.294.	Corrosive Liquid.....	1 quart.....	1 quart.....	1 quart.
Monochloroacetone, stabilized.....	Irr.	No exemption, 173.384.	Irritant.....	5 gallons.....	Not accepted.....	5 gallons.
Monochloroacetone, unstabilized.....	Irr.	Not accepted.	do.....	Not accepted.....	do.....	Not accepted.
Monochlorodifluoromethane.....	Nonf. G.	173.306, 173.304, 173.314, 173.315.	Green.....	300 pounds.....	150 pounds.....	300 pounds.
Monochloroethylene. <i>See</i> Vinyl chloride.						
Monochloropentafluoroethane.....	Nonf. G.	173.306, 173.304.	do.....	do.....	do.....	Do.
Monochlorotetrafluoroethane.....	Nonf. G.	173.306, 173.304, 173.314.	do.....	do.....	do.....	Do.
Monochlorotrifluoromethane.....	Nonf. G.	173.306, 173.304.	do.....	do.....	do.....	Do.
Monothylamine.....	F. L.	173.118, 173.148.	Red.....	10 gallons.....	1 quart.....	10 gallons.
Monofluorophosphoric acid, anhydrous.....	Cor. L.	No exemption, 173.275.	Corrosive Liquid.....	1 gallon.....	Not accepted.....	1 gallon.
Monomethylamine, anhydrous.....	F. G.	173.306, 173.304, 173.314, 173.315.	Red Gas.....	300 pounds.....	do.....	300 pounds.
Monomethylamine, aqueous solution.....	F. L.	173.118, 173.119.	Red.....	10 gallons.....	1 quart.....	10 gallons.
Mortar stain, liquid.....	F. L.	173.118, 173.128.	do.....	55 gallons.....	do.....	55 gallons.
Motion picture film. <i>See</i> Film.						
Motorcycles.....		173.120.				
Motor fuel antiknock compound.....	Pois. B.	No exemption, 173.354.	Poison B.....	55 gallons.....	Not accepted.....	Do.
Motor fuel, n.o.s.....	F. L.	173.118, 173.119, 173.120.	Red.....	10 gallons.....	1 quart.....	10 gallons.
Motors, internal combustion.						
Muriatic acid. <i>See</i> Hydrochloric acid.						
Mustard gas (dichlorodithyl sulfide).....	Pois. A.	No exemption, 173.328.	Poison A.....	Not accepted.....	Not accepted.....	Not accepted.
*Naphtha.....	F. L.	173.118, 173.119.	Red.....	10 gallons.....	1 quart.....	10 gallons.
*Naphtha, distillate.....	F. L.	173.118, 173.119.	do.....	do.....	do.....	Do.
*Naphtha, petroleum. <i>See</i> *Petroleum naphtha.						
*Naphtha, solvent.....	F. L.	173.118, 173.119.	do.....	do.....	do.....	Do.
Natural gasoline. <i>See</i> Gasoline.						
Nephexane.....	F. L.	173.118, 173.119.	do.....	do.....	do.....	Do.
%Neon.....	Nonf. G.	173.306, 173.302.	Green.....	300 pounds.....	150 pounds.....	300 pounds.
New explosives or explosive devices.....		See 173.51(q), 173.86.				
Nickel carbonyl.....	F. L.	No exemption, 173.126.	Red.....	Not accepted.....	Not accepted.....	Not accepted.
%*Nickel catalyst, finely divided, activated or spent.....	SCM.	No exemption, 173.233.	Red Bottom.....	100 pounds.....	do.....	100 pounds.
Nickel cyanide, solid.....	Pois. B.	173.370.	Poison B.....	200 pounds.....	25 pounds.....	200 pounds.
Nicotine hydrochloride.....	Pois. B.	173.345, 173.346.	do.....	55 gallons.....	1 quart.....	55 gallons.
Nicotine, liquid.....	Pois. B.	173.345, 173.346.	do.....	do.....	do.....	Do.
Nicotine salicylate.....	Pois. B.	173.364, 173.365.	do.....	200 pounds.....	50 pounds.....	200 pounds.
Nicotine sulfate, liquid.....	Pois. B.	173.365, 173.346.	do.....	55 gallons.....	1 quart.....	55 gallons.
Nicotine sulfate, solid.....	Pois. B.	173.364, 173.365.	do.....	200 pounds.....	50 pounds.....	200 pounds.
Nicotine tartrate.....	Pois. B.	173.364, 173.365.	do.....	do.....	do.....	Do.
Nitrate of ammonia explosive. <i>See</i> High explosives.						
Nitrates, n.o.s.....	Oxy. M.	173.153, 173.182.	Yellow.....	100 pounds.....	25 pounds.....	100 pounds.
Nitrating (mixed) acid.....	Cor. L.	No exemption, 173.267.	Corrosive Liquid.....	2½ pints.....	Not accepted.....	1 quart.
Nitrating (mixed) acid, spent.....	Cor. L.	No exemption, 173.248.	do.....	1 quart.....	do.....	Do.
Nitric acid.....	Cor. L.	No exemption, 173.268.	do.....	5 pints.....	do.....	5 pints.
Nitric ether. <i>See</i> Ethyl nitrate.						
Nitric oxide.....	Pois. A.	No exemption, 173.337.	Poison Gas.....	Not accepted.....	do.....	Not accepted.
% Nitrobenzol, liquid (oil of mirbane, nitrobenzene).....	Pois. B.	173.345, 173.346.	Poison B.....	55 gallons.....	1 quart.....	55 gallons.
Nitro carbo nitrate.....	Oxy. M.	173.153, 173.182.	Yellow.....	100 pounds.....	25 pounds.....	100 pounds.
% Nitrocellulose, colloided, granular or flake, wet with not less than 20 percent alcohol or solvent, or block— wet with not less than 25 percent alcohol.	F. L.	173.118, 173.127.	Red.....	25 pounds.....	1 quart.....	25 pounds.
Nitrocellulose, colloided, granular or flake, wet with not less than 20 percent water.	F. S.	173.153, 173.184.	Red Striped.....	100 pounds.....	25 pounds.....	100 pounds.
Nitrocellulose, dry. <i>See</i> High explosives.						
Nitrocellulose, wet with not less than 20 percent water.....	F. S.	173.153, 173.184.	do.....	do.....	do.....	Do.
Nitrocellulose, wet with not less than 20 percent alcohol or solvent.	F. L.	173.118, 173.127.	Red.....	25 pounds.....	1 quart.....	25 pounds.
Nitrocellulose flakes, wet with not less than 20 percent alcohol or solvent.	F. L.	173.118, 173.127.	do.....	do.....	do.....	Do.
Nitrochlorobenzene, ortho, liquid.....	Pois. B.	173.345, 173.346.	Poison B.....	55 gallons.....	do.....	55 gallons.
Nitrochlorobenzene, meta or para solid.....	Pois. B.	173.304, 173.374.	do.....	200 pounds.....	50 pounds.....	200 pounds.
Nitrogen.....	Nonf. G.	173.306, 173.302, 173.314.	Green.....	300 pounds.....	150 pounds.....	300 pounds.

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a)	(b)	(c)
				Rail express	Passenger carrying aircraft	Cargo only aircraft
Nitrogen dioxide, liquid.....	Pois. A and Oxy. M.	No exemption, 173.336.....	Poison A and and Yellow.	Not accepted.....	Not accepted.....	Not accepted.
%*Nitrogen fertilizer solution.....	Nonf. G.	173.306, 173.304, 173.314.....	Green.....	300 pounds.....	150 pounds.....	300 pounds.
% Nitrogen, liquefied.....	Nonf. G.	No exemption, 173.304.....	do.....	do.....	Not accepted.....	Do.
Nitrogen peroxide, liquid.....	Pois. A and Oxy. M.	No exemption, 173.336.....	Poison A and Yellow.	Not accepted.....	do.....	Not accepted.
Nitrogen tetroxide, liquid.....	Pois. A and Oxy. M.	do.....	do.....	do.....	do.....	Do.
Nitrogen tetroxide-nitric oxide mixtures containing up to 33.2 percent weight nitric oxide.	Pois. A and Oxy. M.	No exemption, 173.338.....	do.....	do.....	do.....	Do.
% Nitroglycerin, liquid, undensitized.....	Expl. A	173.51(d).....	do.....	do.....	do.....	Do.
Nitroglycerin liquid, desensitized. See High explosive, liquid.						
Nitroglycerin, spirits of. See Spirits of nitroglycerin.						
Nitrohydrochloric acid.....	Cor. L	No exemption, 173.278.....	Corrosive Liquid..	5 pints.....	do.....	5 pints.
Nitrohydrochloric acid, diluted.....	Cor. L	do.....	do.....	do.....	do.....	Do.
Nitro mannite. See Initiating explosive.						
Nitroguanidine, dry. See High explosives.						
Nitroguanidine, wet with not less than 20 percent water.	F.S.	173.153, 173.184.....	Red Striped.....	100 pounds.....	25 pounds.....	100 pounds.
Nitrosoguanidine. See Initiating explosive.						
Nitrostarch, dry. See High explosives.						
Nitrostarch, wet with not less than 30 percent alcohol or solvent.	F.L.	173.118, 173.127.....	Red.....	25 pounds.....	1 quart.....	25 pounds.
Nitrostarch, wet with not less than 20 percent water.....	F.S.	173.153, 173.184.....	Red Striped.....	100 pounds.....	25 pounds.....	100 pounds.
Nitrosyl chloride.....	Nonf. G.	173.306, 173.304, 173.314.....	Green.....	300 pounds.....	No accepted.....	300 pounds.
Nitrourea. See High explosives.						
*Nitrous oxide.....	Nonf. G.	173.306, 173.304, 173.315.....	do.....	do.....	150 pounds.....	Do.
Nitroxylol.....	Pois. B	173.345, 173.346.....	Poison B.....	55 gallons.....	1 quart.....	55 gallons.
Nonliquefied gases. See Compressed gases, n.o.s.						
Nonliquefied hydrocarbon gas.....	F.G.	173.306, 173.302.....	Red Gas.....	300 pounds.....	Not accepted.....	300 pounds.
Nonyl trichlorosilane.....	Cor. L	No exemption, 173.280.....	Corrosive Liquid..	10 gallons.....	do.....	10 gallons.
Octadecyltrichlorosilane.....	Cor. L	do.....	do.....	do.....	do.....	Do.
Octyl trichlorosilane.....	Cor. L	do.....	do.....	do.....	do.....	Do.
*Oil, described as oil, oil, n.o.s., petroleum oil, or petro- leum oil, n.o.s.	F.L.	173.118, 173.119.....	Red.....	do.....	1 quart.....	Do.
Oil of mirbane. See Nitrobenzol, liquid.						
Oil of vitriol. See Sulfuric acid.						
Oil well cartridges.....	Expl. C	No exemption, 173.112.....	Orange C.....	150 pounds.....	50 pounds.....	150 pounds.
Oleum (sulfuric acid, fuming).....	Cor. L	173.244, 173.272.....	Corrosive Liquid..	10 pints.....	Not accepted.....	5 pints.
% Organic phosphate compound, liquid, n.o.s.	Pois. B	No exemption, 173.358.....	Poison B.....	1 quart.....	do.....	1 quart.
% Organic phosphate compound mixture, dry, n.o.s. (containing more than 2 percent organic phosphate).	Pois. B	173.377.....	do.....	200 pounds.....	do.....	200 pounds.
% Organic phosphate compound mixture, dry, n.o.s. (containing not more than 2 percent organic phosphate).	Pois. B	173.377(f).....	do.....	do.....	50 pounds.....	Do.
% Organic phosphate compound mixture, liquid, n.o.s. (containing more than 25 percent organic phosphate).	Pois. B	173.359.....	do.....	1 quart.....	Not accepted.....	1 quart.
% Organic phosphate compound mixture liquid, n.o.s. (containing not more than 25 percent organic phosphate).	Pois. B	173.359(c).....	do.....	do.....	½ pint.....	Do.
*Organic phosphates, n.o.s. mixed with compressed gas.	Pois. A	No exemption, 173.334.....	Poison Gas.....	Not accepted.....	Not accepted.....	Not accepted.
Ortho-nitroaniline.....	Pois. B	173.364, 173.373.....	Poison B.....	200 pounds.....	50 pounds.....	200 pounds.
Oxide, spent.....	SCM.	No exemption, 173.174.....	Red Bottom.....	Not accepted.....	Not accepted.....	Not accepted.
Oxidizing material, n.o.s.	Oxy. M.	173.153, 173.154.....	Yellow.....	25 pounds.....	25 pounds.....	25 pounds.
Oxidizing materials with other articles—fumigants.		173.152(a).....				
Oxygen.....	Nonf. G.	173.306, 173.302, 173.314.....	Green.....	300 pounds.....	150 pounds.....	300 pounds.
% Oxygen, liquefied.....	Nonf. G.	No exemption, 173.304.....	do.....	do.....	Not accepted.....	Not accepted.
*Paint driers, liquid.....	F.L.	173.118, 173.128.....	Red.....	55 gallons.....	1 quart.....	55 gallons.
*Paint, enamel, lacquer, stain, shellac, varnish, alumi- num, bronze, gold, wood, filler, liquid, and lacquer base liquid.	F.L.	173.118, 173.128.....	do.....	do.....	do.....	Do.
*Paint, reducing or thinning compounds. See *Compounds, lacquer paint or varnish, reducing or thinning liquid, etc.						
Paper caps. See Toy caps.						
Paper stock, wet.....	SCM.	No exemption, 173.185.....	Red Bottom.....	Not accepted.....	Not accepted.....	Not accepted.
Paper waste, wet. See Waste paper, wet.						
Para chlorobenzoyl peroxide. See Chlorobenzoyl peroxide (para).						
% Paramenthane hydroperoxide.....	Oxy. M.	173.153(b), 173.224.....	Peroxide.....	1 quart.....	1 pint.....	1 quart.
Paranitraniline (paranitroaniline) solid.....	Pois. B	173.364, 173.373.....	Poison B.....	200 pounds.....	50 pounds.....	200 pounds.
Parathion and compressed gas mixture.....	Pois. A	No exemption, 173.334.....	Poison Gas.....	Not accepted.....	Not accepted.....	Not accepted.
Parathion, liquid.....	Pois. B	No exemption, 173.358.....	Poison B.....	1 quart.....	do.....	1 quart.
Parathion mixture, dry, containing more than 2 percent parathion.	Pois. B	173.377.....	do.....	200 pounds.....	do.....	200 pounds.
% Parathion mixture, dry containing not more than 2 percent parathion.	Pois. B	173.377(f).....	do.....	do.....	50 pounds.....	Do.
% Parathion mixture, liquid, containing more than 25 percent parathion.	Pois. B	173.359.....	do.....	1 quart.....	Not accepted.....	1 quart.
% Parathion mixture, liquid, containing not more than 25 percent parathion.	Pois. B	173.359(c).....	do.....	do.....	½ pint.....	Do.
Paris green, solid.....	Pois. B	173.364, 173.367.....	do.....	200 pounds.....	50 pounds.....	200 pounds.
Pentaborane.....	SCM.	No exemption, 173.138.....	Red Bottom.....	Not accepted.....	Not accepted.....	Not accepted.
Pentane.....	F.L.	173.118, 173.119.....	Red.....	10 gallons.....	1 quart.....	10 gallons.
Penterythrite tetranitrate. See Initiating explosive.						
Pentite, dry. See High explosive.						
% Peracetic acid.....	Oxy. M.	173.223.....	Peroxide.....	5 pints.....	1 pint.....	5 pints.
Perchlorates, n.o.s.	Oxy. M.	173.153, 173.154.....	Yellow.....	100 pounds.....	25 pounds.....	100 pounds.
Perchloric acid, in excess of 72 percent.....	Oxy. M.	Forbidden.....				
Perchloric acid, not in excess of 72 percent.....	Cor. L	173.244, 173.269.....	Corrosive Liquid..	5 pints.....	Not accepted.....	5 pints.
Perchloro-methyl-mercaptan.....	Pois. B	173.345, 173.360.....	Poison B.....	10 pounds.....	do.....	10 pounds.
Percussion caps.....	Expl. C	No exemption, 173.107.....	Orange C.....	150 pounds.....	50 pounds.....	150 pounds.
Percussion fuzes.....	Expl. C	No exemption, 173.105.....	do.....	do.....	do.....	Do.
Potassium permanganate. See Potassium permanganate.						
Potassiumates, n.o.s.	Oxy. M.	173.153, 173.154.....	Yellow.....	100 pounds.....	25 pounds.....	100 pounds.
% Peroxide, organic, liquid or solution, n.o.s.	Oxy. M.	No exemption, 173.119(m), 173.221.	Peroxide.....	1 quart.....	Not accepted.....	1 quart.
% Peroxide, organic, solid, n.o.s. (including mixtures).....	Oxy. M.	173.153, 173.154, 173.158.....	do.....	25 pounds.....	1 pound.....	25 pounds.
Petroleum, crude. See Crude oil.						
*Petroleum distillate.....	F.L.	173.118, 173.119.....	Red.....	10 gallons.....	1 quart.....	10 gallons.
Petroleum ether.....	F.L.	173.118, 173.119.....	do.....	do.....	do.....	Do.
Petroleum gas, liquefied. See Liquefied petroleum gas.						
*Petroleum naphtha.....	F.L.	173.118, 173.119.....	do.....	do.....	do.....	Do.

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a) Rail express	(b) Passenger carrying aircraft	(c) Cargo only aircraft
<i>Phenol. See Carbolic acid.</i>						
Phenylcarbylamine chloride	Pois. A	No exemption, 173.328	Poison A	Not accepted	Not accepted	Not accepted.
Phenyldichloroarsine, liquid	Pois. B	No exemption, 173.355	Poison B	30 gallons	do	30 gallons.
Phenyl trichlorosilane	Cor. L	No exemption, 173.280	Corrosive Liquid	10 gallons	do	10 gallons.
Phosgene (diphosgene)	Pois. A	No exemption, 173.333	Poison gas	Not accepted	do	Not accepted.
Phosphoric anhydride (phosphorus pentoxide)	WRM	No exemption, 173.188	Blue	100 pounds	do	100 pounds.
Phosphorus, amorphous, red	F.S.	No exemption, 173.189	Red Striped	11 pounds	do	11 pounds.
Phosphorus oxybromide	Cor. L	No exemption, 173.271	Corrosive Liquid	1 quart	do	1 quart.
Phosphorus oxychloride	Cor. L	do	do	do	do	Do.
Phosphorus pentachloride	WRM	No exemption, 173.191	Blue	5 pounds	do	5 pounds.
Phosphorus sesquisulfide	F.S.	No exemption, 173.225	Red Striped	11 pounds	do	11 pounds.
Phosphorus tribromide	Cor. L	No exemption, 173.270	Corrosive Liquid	1 quart	do	1 quart.
% Phosphorus trichloride	Cor. L	No exemption, 173.271	do	do	do	Do.
Phosphorus, white or yellow, dry	SCM	No exemption, 173.190	Red Bottom	Not accepted	do	Not accepted.
Phosphorus, white or yellow, in water	SCM	No exemption, 173.190, 173.232.	do	25 pounds	do	25 pounds.
<i>Photographic film. See Film.</i>						
<i>Photographic flash powder. See Fireworks, special or Low explosives.</i>						
<i>Picrates, dry. See High explosives.</i>						
<i>Picrate of ammonia. See High explosives.</i>						
<i>Picric acid, dry. See High explosives.</i>						
<i>Picric acid, wet, not exceeding 16 ounces.</i>		See 173.192				
<i>Picric acid, wet, with not less than 10 percent water, over 25 pounds. See High explosives.</i>						
Picric acid, wet, with not less than 10 percent water, in excess of 16 ounces but not exceeding 25 pounds.	F.S.	No exemption, 173.193	Red Striped	25 pounds	1 pound	Do.
<i>Pinwheels. See Fireworks, common.</i>						
*Plastic solvent, n.o.s.	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
Poison gas, n.o.s.	Pois. A	No exemption, 173.328	Poison Gas	Not accepted	Not accepted	Not accepted.
Poison gas, flammable, n.o.s.	Pois. A and F.G.	do	Poison Gas and Red Gas	do	do	Do.
Poisonous liquids, n.o.s.	Pois. A	do	Poison A	do	do	Do.
Poisonous liquids, n.o.s.	Pois. B	173.345, 173.346	Poison B	55 gallons	1 quart	55 gallons.
Poisonous solids, n.o.s.	Pois. B	173.364, 173.365	do	200 pounds	50 pounds	200 pounds.
Poison, class C. See Irritating agents, n.o.s.						
*Polishes, metal stove, furniture and wood, liquid	F.L.	173.118, 173.129	Red	55 gallons	1 quart	55 gallons.
*Polymerizable materials		See 173.21(b)				
Potassium arsenate, solid	Pois. B	173.364, 173.365	Poison B	200 pounds	50 pounds	200 pounds.
Potassium arsenite, solid	Pois. B	173.364, 173.365	do	do	do	Do.
Potassium bromate	Oxy. M	173.153, 173.154	Yellow	100 pounds	25 pounds	100 pounds.
Potassium chlorate (potash chlorate)	Oxy. M	173.153, 173.163	do	do	do	Do.
Potassium cyanide, solid	Pois. B	173.370	Poison B	200 pounds	do	200 pounds.
Potassium cyanide, solutions	Pois. B	173.345, 173.352	do	55 gallons	1 quart	55 gallons.
Potassium dichloroisocyanurate, dry (containing more than 39 percent available chlorine).	Oxy. M	173.153, 173.217	Yellow	100 pounds	50 pounds	100 pounds.
Potassium hydroxide solution	Cor. L	173.244, 173.249	Corrosive liquid	10 gallons	1 quart	5 gallons.
Potassium, metallic	WRM	No exemption, 173.206	Blue	25 pounds	Not accepted	25 pounds.
Potassium, metallic liquid alloy	WRM	No exemption, 173.202	do	1 pound	do	1 pound.
Potassium nitrate	Oxy. M	173.153, 173.182	Yellow	100 pounds	25 pounds	100 pounds.
Potassium nitrate mixed (fused) with sodium nitrite	Oxy. M	173.153, 173.183	do	do	do	Do.
Potassium nitrite	Oxy. M	173.153, 173.154	do	do	do	Do.
Potassium perchlorate	Oxy. M	173.153, 173.219	do	do	do	Do.
Potassium permanganate	Oxy. M	173.153, 173.154, 173.194	do	do	do	Do.
Potassium peroxide	Oxy. M	No exemption, 173.154	do	do	Not accepted	Do.
Potassium sulfide	F.S.	173.153, 173.207	Red Striped	300 pounds	25 pounds	300 pounds.
<i>Pressurized products. See Compressed gases, n.o.s.</i>						
<i>Primers. See Cannon primers, combination primers, or small-arm primers.</i>						
<i>Primers, detonating. See Detonating primers.</i>						
<i>Projectiles, explosive. See Explosive projectile.</i>						
<i>Projectiles, gas, nonexplosive. See Chemical ammunition, class A, B or C.</i>						
<i>Projectiles, gas, smoke, or incendiary, with burster or booster with or without detonating fuze. See Explosive projectile.</i>						
<i>Projectiles, illuminating, incendiary or smoke with expelling charge but without bursting charge. See Fireworks, special.</i>						
<i>Projectiles, sand-loaded, empty, or solid</i>		See 173.55				
% Propane. See Liquefied petroleum gas.						
Propellant explosives, class A	Expl. A	No exemption, 173.64(d)	Orange A	See 173.86	Not accepted	Not accepted.
Propellant explosives (liquid), class B	Expl. B	No exemption, 173.93	Orange B	10 pounds	do	10 pounds.
Propellant explosives (solid), class B	Expl. B	do	do	do	do	Do.
Propellant explosives (solid), class B, and small-arms primers. See Propellant explosives, class B.						
Propellant explosives in water (smokeless powder)	Expl. B	do	do	Not accepted	do	Not accepted.
Propellant explosives in water, unstable, condemned or deteriorated (smokeless powder).	Expl. B	do	do	do	do	Do.
*Propyl alcohol. See Alcohol, n.o.s.						
Propylene imine, inhibited	F.L.	No exemption, 173.139	Red	5 pints	do	5 pints.
Propylene oxide	F.L.	173.118, 173.119	do	10 gallons	1 quart	10 gallons.
% Propyl mercaptan	F.L.	No exemption, 173.141	do	do	Not accepted	Do.
% Propyl trichlorosilane	Cor. L	No exemption, 173.280	Corrosive Liquid	do	do	Do.
Propylene. See Liquefied petroleum gas.						
Prussic acid. See Hydrocyanic acid.						
Pyridine	F.L.	173.118, 173.119	Red	do	1 quart	Do.
Pyrophoric materials, n.o.s. See Spontaneously combustible liquids or solids.						
Pyrosulfuryl chloride	Cor. L	173.244, 173.247	Corrosive Liquid	1 quart	do	1 quart.
Pyroxylin plastic scrap	F.S.	No exemption, 173.195, 173.196.	Red Striped	See 173.196	Not accepted	Not accepted.
Pyroxylin plastics, rods, sheets, rolls, tubes	F.S.	173.197	do	350 pounds	50 pounds	350 pounds.
*Pyroxylin solution	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
*Pyroxylin solvent, n.o.s.	F.L.	173.118, 173.119	do	do	do	Do.
% Radioactive devices	RAM	173.391(b)	None			
% Radioactive materials, low specific activity (LSA)	RAM	173.392	Radioactive			
% Radioactive materials, normal form	RAM	173.393, 173.395	do			
% Radioactive materials, small quantities	RAM	173.391(a)	None			
% Radioactive materials, special form	RAM	173.393, 173.394	Radioactive			

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a)	(b)	(c)
				Rail express	Passenger carrying aircraft	Cargo only aircraft
Rags, oily	SCM	No exemption, 173.199	Red Bottom	Not accepted	Not accepted	Not accepted
Rags, wet	SCM	No exemption, 173.200	do	do	do	Do.
Railway fuses. See Fusees.						
Railway torpedoes. See Torpedoes, railway.						
*Reducing compounds, paint, varnish, lacquer, etc. See						
*Compounds, lacquer, paint, or varnish, etc., removing, reducing or thinning, liquid.						
Refrigerant gas		See 173.314(c) Table Note 13; 173.315(a) Table Note 9.				
%Refrigerating machines	Nonf. G.	173.306(e)	Green	No limit	50 pounds	No limit.
Refrigerating machines	F.G.	173.306(e)	Red Gas			
Refrigerating machines	F.L.	173.130, 173.306(e)	Red	No limit	15 pounds	Do.
*Removing compounds, paint, varnish, lacquer, etc. See						
*Compounds, lacquer, paint, or varnish, etc., removing, reducing or thinning, liquid.						
*Resin solution (resin compound, liquid)	F.L.	173.118, 173.119	do	55 gallons	1 quart	55 gallons.
Rifle grenades. See Grenades.						
Rifle powder. See Propellant explosives, class A, Propellant explosives, class B, or Black powder.						
Rocket fireworks. See Fireworks, common.						
Rocket ammunition with empty projectiles	Expl. B	No exemption, 173.90	Orange B	Not accepted	Not accepted	Not accepted.
Rocket ammunition with explosive projectiles	Expl. A	No exemption, 173.57	Orange A	do	do	Do.
Rocket ammunition with illuminating projectiles	Expl. A	do	do	do	do	Do.
Rocket ammunition with gas projectiles	Expl. A	do	do	do	do	Do.
Rocket ammunition with incendiary projectiles	Expl. A	do	do	do	do	Do.
Rocket ammunition with inert loaded projectiles	Expl. B	No exemption, 173.90	Orange B	do	do	Do.
Rocket ammunition with smoke projectiles	Expl. A	No exemption, 173.57	Orange A	do	do	Do.
Rocket ammunition with solid projectiles	Expl. B	No exemption, 173.90	Orange B	do	do	Do.
Rocket bodies, with electric primers or electric squibs		See 173.55				
Rocket engines (liquid), class B explosives	Expl. B	No exemption, 173.95	Orange B	Not accepted	Not accepted	Do.
Rocket heads. See Explosive projectiles.						
Rocket motors, class A explosives	Expl. A	No exemption, 173.79	Orange A	do	do	Do.
Rocket motors, class B explosives	Expl. B	No exemption, 173.92	Orange B	550 pounds	do	550 pounds
Roman candles. See Fireworks, common.						
*Rough ammoniate tankages	SCM	No exemption, 173.210	Red Bottom	Not accepted	do	Not accep
Rubber scrap or rubber buffings	SCM	173.153, 173.201	do	10 pounds	10 pounds	10 pounds.
*Rubber shoddy, regenerated rubber, or reclaimed rubber.	SCM	173.153, 173.201	do	do	do	Do.
*Rum, denatured	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.
Safety fuse. See Fuse, safety.						
Safety squibs	Expl. C	No exemption, 173.106	Orange C	150 pounds	50 pounds	150 pounds.
Salutes. See Fireworks, common or special.						
Samples of explosives		See 173.86				
Self-lighting cigarettes	F.S.	173.21(d)	Red Striped	Not accepted	Not accepted	Not accepted.
Self-propelled vehicles		Sec. 173.120, 173.257, 173.306.				
Shaped charges, commercial. See High explosives.		See 173.65(h)				
*Shellac. See Paint, enamel, lacquer, stain, shellac, varnish, etc.						
Shells, fireworks. See Fireworks, common or special.						
Ship, distress signals. See Fireworks, special.						
Signal flares	Expl. C	No exemption, 173.108	Orange C	200 pounds	50 pounds	200 pounds.
Silicon chloride (tetrachloride)	Cor. L	173.244, 173.247	Corrosive liquid.	1 gallon	1 quart	1 gallon.
Silicon tetrafluoride	Nonf. G.	173.306, 173.302	Green	300 pounds	Not accepted	300 pounds.
Silver cyanide	Pois. B	173.370	Poison B	No limit	25 pounds	No limit.
Silver nitrate	Oxy. M	173.153, 173.182	Yellow	100 pounds	do	100 pounds.
*Sludge acid. See Acid, sludge.						
%Small-arms ammunition	Expl. C	173.101	Orange C	150 pounds	50 pounds	150 pounds.
Small-arms ammunition, irritating (tear gas) cartridges	Expl. C	No exemption, 173.101	Irritant	do	Not accepted	Do.
Small-arms primers	Expl. C	No exemption, 173.107	Orange C	do	50 pounds	Do.
Smoke generators. See Chemical ammunition Class B or C.						
Smoke candles	Expl. C	No exemption, 173.108	do	200 pounds	do	200 pounds.
Smoke grenades	Expl. C	do	do	do	do	Do.
Smokeless powder for cannon or small arms. See Propellant explosives, class A or B.						
Smokeless powder for small arms (100 pounds or less)	F.S.	173.88(f), 173.197a	Red Striped	8 pounds	Not accepted	Not accepted.
Smoke pots	Expl. C	No exemption, 173.108	Orange C	200 pounds	50 pounds	200 pounds.
Smoke projectiles with bursting charges. See Explosive projectile.						
Smoke projectiles with expelling charge but without bursting charge. See Fireworks, special.						
Smoke signals	Expl. C	do	do	do	do	Do.
Soda amatox. See High explosives.						
Sodium aluminate solutions	Cor. L	173.244, 173.249	Corrosive Liquid	10 gallons	1 quart	10 gallons.
Sodium aluminum hydride	WRM	No exemption, 173.206	Blue	25 pounds	Not accepted	25 pounds.
Sodium amide	WRM	do	do	do	do	Do.
%Sodium arsenate, solid	Pois. B	173.364, 173.365, 173.368	Poison B	200 pounds	50 pounds	200 pounds.
Sodium arsenite (solution), liquid	Pois. B	173.345, 173.346	do	55 gallons	1 quart	55 gallons.
Sodium azide	Pois. B	173.364, 173.375	do	100 pounds	50 pounds	100 pounds.
Sodium bromate	Oxy. M	173.153, 173.154	Yellow	do	25 pounds	Do.
Sodium cacodylate, solid (sodium dimethyl arsenate)	Pois. B	173.364, 173.365	Poison B	200 pounds	50 pounds	200 pounds.
Sodium chlorate (sodium chlorate)	Oxy. M	173.153, 173.163	Yellow	100 pounds	25 pounds	100 pounds.
Sodium chlorite	Oxy. M	No exemption, 173.160	do	do	Not accepted	Do.
Sodium chlorite solution (not exceeding 42 percent sodium chlorite).	Cor. L	173.244, 173.263	Corrosive Liquid	4 gallons	1 quart	4 gallons.
Sodium cyanide, solid	Pois. B	173.370	Poison B	200 pounds	25 pounds	200 pounds
Sodium cyanide, solution	Pois. B	173.345, 173.352	do	55 gallons	1 quart	55 gallons.
Sodium dichloroisocyanurate, dry (containing more than 98 percent available chlorine).	Oxy. M	173.153, 173.217	Yellow	100 pounds	50 pounds	100 pounds.
Sodium hydride	WRM	No exemption, 173.198	Blue	25 pounds	Not accepted	25 pounds.
Sodium hydrosulfite (sodium dithionite)	F.S.	173.153, 173.204	Red Striped	100 pounds	25 pounds	100 pounds.
Sodium hydroxide solution	Cor. L	173.244, 173.249	Corrosive Liquid	10 gallons	1 quart	5 gallons.
Sodium, metallic	WRM	No exemption, 173.206	Blue	25 pounds	Not accepted	25 pounds.
Sodium, metallic, dispersion in organic solvent	WRM	No exemption, 173.230	do	10 pounds	do	10 pounds.
Sodium, metallic liquid alloy	WRM	No exemption, 173.202	do	1 pound	do	1 pound.
Sodium methylate, dry	WRM	173.153, 173.154	do	100 pounds	25 pounds	100 pounds.
*Sodium methylate, alcohol mixture	F.L.	173.118, 173.119	Red	10 gallons	1 quart	10 gallons.

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a)	(b)	(c)
				Rail express	Passenger carrying aircraft	Cargo only aircraft
Sodium nitrate.	Oxy. M.	173.153, 173.182.	Yellow.	100 pounds.	25 pounds.	100 pounds.
Sodium nitrate bags. See Bags, sodium nitrate.						
Sodium nitrite.	Oxy. M.	173.153, 173.154, 173.234.	do.	do.	do.	Do.
Sodium nitrite mixed (fused) with potassium nitrate.	Oxy. M.	173.153, 173.183.	do.	do.	do.	Do.
Sodium nitrite mixtures (sodium nitrate, sodium nitrite, and potassium nitrate).	Oxy. M.	173.153, 173.234.	do.	do.	do.	Do.
Sodium permanganate.	Oxy. M.	173.153, 173.154.	do.	do.	do.	Do.
Sodium peroxide.	Oxy. M.	No exemption, 173.187.	do.	do.	Not accepted.	Do.
Sodium picramate, wet with at least 20 percent of water.	F.S.	No exemption, 173.205.	Red Striped.	25 pounds.	do.	25 pounds.
Sodium potassium alloys.	WRM.	No exemption, 173.206.	Blue.	do.	do.	Do.
*Sodium sulfide, anhydrous.	F.S.	173.153, 173.207.	Red Striped.	300 pounds.	25 pounds.	300 pounds.
*Solvents, n.o.s.	F.L.	173.118, 173.119.	Red.	15 gallons.	1 quart.	10 gallons.
*Sparklers. See Fireworks, common.						
Spent iron mass. See Iron mass, spent.						
Spent iron sponge. See Iron sponge, spent.						
Spent mixed acid. See Nitrating acid.						
Spent oxide. See Oxide, spent.						
Spent sulfuric acid. See Sulfuric acid, spent.						
Spirits of nitroglycerin, 1 to 10 percent.	F.L.	No exemption, 173.133.	do.	6 quarts.	Not accepted.	6 quarts.
Spirits of nitroglycerin, not exceeding 1 percent nitroglycerin by weight.	F.L.	173.118, 173.133.	do.	do.	1 quart.	Do.
Spontaneously combustible liquids, n.o.s.	SCM.	No exemption, 173.134.	Red Bottom.	70 pounds.	Not accepted.	Not accepted.
Spontaneously combustible solids, n.o.s.	SCM.	No exemption, 173.154.	do.	do.	do.	Do.
Spurring powder. See Black powder or Propellant explosive, class B explosives.						
Spray starting fluid. See Engine starting fluid.						
Spreader cartridges. See Fireworks, special.						
Squibs, electric or safety. See Electric squibs or Safety squibs.						
*Stain. See *Paint, enamel, lacquer, stain, shellac, varnish, etc.						
Starter cartridges, jet engine, class B explosives.	Expl. B.	No exemption, 173.92.	Orange B.	200 pounds.	do.	200 pounds.
Starter cartridges, jet engine, class C explosives.	Expl. C.	No exemption, 173.102.	Orange C.	150 pounds.	50 pounds.	150 pounds.
Storage batteries, wet. See Batteries, electric storage, wet.						
Strontium arsenite, solid.	Pois. B.	173.364, 173.365.	Poison B.	200 pounds.	do.	200 pounds.
Strontium chlorate.	Oxy. M.	173.153, 173.163.	Yellow.	100 pounds.	25 pounds.	100 pounds.
Strontium chlorate, wet.	Oxy. M.	173.153, 173.163 (a) (6).	do.	200 pounds.	do.	200 pounds.
Strontium nitrate.	Oxy. M.	173.153, 173.182.	do.	100 pounds.	do.	100 pounds.
Strontium peroxide.	Oxy. M.	173.153 (a), 173.154.	do.	do.	do.	Do.
Strychnine and salts thereof, solid.	Pois. B.	173.364, 173.365.	Poison B.	200 pounds.	50 pounds.	200 pounds.
Styphnate of lead. See Initiating explosive.						
Succinic acid peroxide.	Oxy. M.	173.153 (b), 173.157, 173.158.	Peroxide.	25 pounds.	2 pounds.	25 pounds.
Sulfur chloride (mono and di).	Cor. L.	No exemption, 173.247.	Corrosive Liquid.	1 gallon.	Not accepted.	1 gallon.
♦Sulfur dioxide.	Nonf. G.	173.306, 173.304, 173.314, 173.315.	Green.	300 pounds.	do.	300 pounds.
Sulfur hexafluoride.	Nonf. G.	173.306, 173.304.	do.	do.	150 pounds.	Do.
% Sulfur trioxide, stabilized.	Cor. L.	173.244, 173.273.	Corrosive Liquid.	1 gallon.	Not accepted.	1 gallon.
Sulfuric acid (oil of vitriol).	Cor. L.	173.244, 173.272.	do.	10 pints.	1 quart.	Do.
Sulfuric acid, spent.	Cor. L.	No exemption, 173.248.	do.	1 quart.	Not accepted.	1 quart.
Sulfuryl chloride.	Cor. L.	173.244, 173.247.	do.	do.	1 quart.	Do.
Sulfuryl fluoride.	Nonf. G.	173.306, 173.304, 173.314.	Green.	300 pounds.	150 pounds.	300 pounds.
Supplementary charges (explosive).	Expl. A.	No exemption, 173.69.	Orange A.	Not accepted.	Not accepted.	Not accepted.
Tankage. See Garbage tankage.						
*Tankage fertilizers.	SCM.	No exemption, 173.209.	Red Bottom.	do.	do.	Do.
*Tankages, rough ammoniate.	SCM.	No exemption, 173.210.	do.	do.	do.	Do.
Tank car, containing residual phosphorus and filled with water or inert gas.		See 173.232.				
Tank cars, empty (last contents poisons, class A).		See 174.562 (d) and (e).				
Tank cars, gas (must not contain gases that combine chemically).		See 173.301(a).				
Tank truck, empty.		See 173.29.				
*Tar, liquid.	F.L.	173.118, 173.131.	Red.	10 gallons.	1 quart.	10 gallons.
Tear gas ammunition. See Chemical ammunition.						
Tear gas candles.	Irr.	No exemption, 173.385.	Irritant.	75 pounds.	Not accepted.	75 pounds.
Tear gas cartridges. See Small arms ammunition tear gas cartridges.						
Tear gas grenades. See Grenades, tear gas.						
Tear gas material, liquid or solid, n.o.s.	Irr.	No exemption, 173.382.	do.	do.	do.	Do.
Tertiary alcohol. See Alcohol, n.o.s.						
% Tertiary butylisopropyl benzene hydroperoxide.	Oxy. M.	173.153(b), 173.224.	Peroxide.	1 quart.	1 pint.	1 quart.
Tetraethyl dithio pyrophosphate and compressed gas mixture.	Pois. A.	No Exemption, 173.334.	Poison Gas.	Not accepted.	Not accepted.	Not accepted.
Tetraethyl dithio pyrophosphate, liquid.	Pois. B.	No Exemption, 173.385.	Poison B.	1 quart.	do.	1 quart.
% Tetraethyl dithio pyrophosphate mixture, dry, (containing more than 2 percent tetraethyl dithio pyrophosphate).	Pois. B.	173.377.	do.	200 pounds.	do.	200 pounds.
% Tetraethyl dithio pyrophosphate mixture, dry, (containing not more than 2 percent tetraethyl dithio pyrophosphate).	Pois. B.	173.377(f).	do.	do.	50 pounds.	Do.
% Tetraethyl dithio pyrophosphate mixture, liquid, (containing more than 25 percent tetraethyl dithio pyrophosphate).	Pois. B.	173.359.	do.	1 quart.	Not accepted.	1 quart.
% Tetraethyl dithio pyrophosphate mixture, liquid, (containing not more than 25 percent tetraethyl dithio pyrophosphate).	Pois. B.	173.359(c).	do.	do.	½ pint.	Do.
Tetraethyl lead, liquid.	Pois. B.	No exemption 173.354.	do.	55 gallons.	Not accepted.	55 gallons.
Tetraethyl pyrophosphate, liquid.	Pois. B.	No exemption 173.358.	do.	1 quart.	do.	1 quart.
Tetraethyl pyrophosphate mixture, dry (containing more than 2 percent tetraethyl pyrophosphate).	Pois. B.	173.377.	do.	200 pounds.	do.	200 pounds.
Tetraethyl pyrophosphate mixture, dry, (containing not more than 2 percent tetraethyl pyrophosphate).	Pois. B.	173.377(f).	do.	do.	50 pounds.	Do.
% Tetraethyl pyrophosphate mixture, liquid, (containing more than 25 percent tetraethyl pyrophosphate).	Pois. B.	173.359.	do.	1 quart.	Not accepted.	1 quart.
% Tetraethyl pyrophosphate mixture, liquid, (containing not more than 25 percent tetraethyl pyrophosphate).	Pois. B.	173.359(c).	do.	do.	½ pint.	Do.
Tetraethyl pyrophosphate and compressed gas mixture.	Pois. A.	No exemption, 173.334.	Poison Gas.	Not accepted.	Not accepted.	Not accepted.
Tetrafluoroethylene, inhibited.	F.G.	173.306, 173.304.	Red Gas.	300 pounds.	do.	300 pounds.
Tetranitromethane.	Oxy. M.	No exemption, 173.203.	Yellow.	25 pounds.	do.	Not accepted.
Tetrazene (guanyl nitrosamino guanyl tetrazene). See Initiating explosive.						
Tetryl. See High explosives.						

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a) Rail express	(b) Passenger carrying aircraft	(c) Cargo only aircraft
Textile waste, wet.	SCM.	No exemption, 173.211.	Red Bottom.	Not accepted.	do.	Do.
*Thallium salts, solid, n.o.s.	Pol. B.	173.364, 173.365.	Poison B.	200 pounds.	50 pounds.	200 pounds.
Thallium sulfate, solid.	Pol. B.	173.364, 173.365.	do.	do.	do.	Do.
Thinning compounds, paint, varnish, lacquer, etc. See *Paint, enamel, lacquer stain, shellac, varnish, etc.						
Thiocarbonyl-chloride. See Thiophosgene.						
Thionyl chloride.	Cor. L.	No exemption, 173.247.	Corrosive Liquid.	1 gallon.	Not accepted.	1 gallon.
Thiophosgene (thiocarbonyl-chloride).	Pol. B.	No exemption, 173.356.	Poison B.	do.	do.	Do.
Thiophosphoryl chloride.	Cor. L.	No exemption, 173.271.	Corrosive Liquid.	1 quart.	do.	1 quart.
Thorium metal, powdered.	F.S.	173.226.	Red Striped.	25 pounds.	do.	25 pounds.
Thorium nitrate, solid.	RAM and Oxy. M.	173.392, 173.393.	Radioactive and yellow.	100 pounds.	25 pounds.	100 pounds.
Time fuzes. See Fuzes, time.						
Tin tetrachloride, anhydrous.	Cor. L.	173.244, 173.247.	Corrosive Liquid.	1 quart.	1 quart.	1 quart.
Titanium metal powder, dry.	SCM.	No exemption, 173.208.	Red Bottom.	75 pounds.	Not accepted.	75 pounds.
Titanium metal powder, wet with not less than 20 percent water.	SCM.	do.	do.	150 pounds.	do.	150 pounds.
Titanium sulfate solution containing not more than 45 percent sulfuric acid.	Cor. L.	173.244, 173.297.	Corrosive Liquid.	1 gallon.	1 quart.	1 gallon.
Titanium tetrachloride.	Cor. L.	173.244, 173.247.	do.	10 gallons.	do.	10 gallons.
Toluene (toluol).	F.L.	173.118, 173.119.	Red.	do.	do.	Do.
Torches. See Fireworks, common.						
Torpedoes, cap. See Fireworks, special.						
Torpedoes, explosive. See Explosive torpedoes.						
Torpedoes, railway.	Expl. B.	No exemption, 173.91.	Orange B.	200 pounds.	Not accepted.	200 pounds.
Toy caps.	Expl. C.	No exemption, 173.100(p), 173.109.	Orange C.	150 pounds.	50 pounds.	150 pounds.
Toy propellant devices.	Expl. C.	No exemption, 173.111.	do.	do.	do.	Do.
Toy smoke devices.	Expl. C.	do.	do.	do.	do.	Do.
Toy torpedoes. See Fireworks, special.						
Tracers.	Expl. C.	No exemption, 173.105.	do.	do.	do.	Do.
Tracer fuzes.	Expl. C.	do.	do.	do.	do.	Do.
Tractors.		See 173.120.				
Trailer or truck body with refrigerating or heating equipment on flat cars.		See 173.120(c), 173.306.				
% Trichloroisocyanuric acid, dry (containing more than 39 percent available chlorine).	Oxy. M.	173.153, 173.217.	Yellow.	100 pounds.	50 pounds.	100 pounds.
% Trichlorosilane.	F.L.	No exemption, 173.136.	Red.	10 gallons.	Not accepted.	10 gallons.
% Trick matches.	Expl. C.	No exemption, 173.111.	Orange C.	150 pounds.	do.	Not accepted.
% Trick noise makers, explosive.	Expl. C.	do.	do.	do.	50 pounds.	100 pounds.
Trifluorochloroethylene.	F.G.	173.306, 173.304, 173.314.	Red Gas.	300 pounds.	Not accepted.	300 pounds.
Trimethylamine, anhydrous.	F.G.	173.306, 173.304, 173.314, 173.315.	do.	do.	do.	Do.
Trimethylamine, aqueous solution.	F.L.	173.118, 173.119.	Red.	10 gallons.	1 quart.	10 gallons.
Trimethylchlorosilane.	F.L.	No exemption, 173.135.	do.	do.	Not accepted.	Do.
Trinitrobenzene, dry. See High explosives.						
% Trinitrobenzene, wet containing at least 10-percent water.	F.S.	173.212.	Red Striped.	16 ounces.	16 ounces.	16 ounces.
Trinitrobenzoic acid, dry. See High explosives.						
Trinitrobenzoic acid, wet with not less than 10-percent water.	F.S.	No exemption, 173.192, 173.193.	do.	25 pounds.	1 pound.	25 pounds.
Trinitrobenzoic acid wet with not less than 10-percent water, over 25 pounds. See High explosives.						
Trinitroresorcinol. See High explosives.						
Trinitrotoluene, dry. See High explosives.						
% Trinitrotoluene, wet with not less than 10-percent water.	F.S.	173.212.	do.	16 ounces.	16 ounces.	16 ounces.
Tris-(1-aziridinyl) phosphine oxide.	Cor. L.	173.244, 173.299a.	Corrosive liquid.	1 gallon.	1 quart.	1 gallon.
*Turpentine substitutes.	F.L.	173.118, 173.119.	Red.	10 gallons.	do.	10 gallons.
Uranyl nitrate, solid.	RAM and Oxy. M.	173.392, 173.396.	Radioactive and Yellow.	100 pounds.	25 pounds.	100 pounds.
Urea nitrate dry. See High explosives.						
Urea nitrate wet with not less than 10 percent of water.	F.S.	No exemption, 173.192, 173.193.	Red Striped.	25 pounds.	1 pound.	25 pounds.
Urea nitrate wet with not less than 10 percent of water, over 25 pounds. See High explosives.						
% Urea peroxide.	Oxy. M.	173.153(b), 173.227.	Peroxide.	do.	do.	Do.
Vanadium oxytrichloride.	Cor. L.	173.244, 173.247a.	Corrosive liquid.	do.	Not accepted.	1 quart.
Vanadium tetrachloride.	Cor. L.	173.244, 173.247a.	do.	do.	do.	Do.
Varnish. See *Paint, enamel, lacquer, stain, shellac, var- nish, etc.						
Varnish driers. See *Paint driers, liquid.						
Varnish remover or reducer. See *Compounds, lacquer, paint or varnish removing, reducing, or thinning, liquid.						
Varnish thinning compounds. See *Compounds, lacquer, paint, or varnish removing, reducing, or thinning, liquid.						
Very signal cartridges.	Expl. C.	No exemption, 173.108.	Orange C.	200 pounds.	50 pounds.	200 pounds.
Vinyl acetate.	F.L.	173.118, 173.119.	Red.	10 gallons.	1 quart.	10 gallons.
Vinyl chloride.	F.G.	173.306, 173.304, 173.314, 173.315.	Red Gas.	300 pounds.	Not accepted.	300 pounds.
% Vinyl fluoride, inhibited.	F.G.	173.306, 173.304, 173.314, 173.315.	do.	do.	do.	Do.
Vinylidene chloride, inhibited.	F.L.	173.118, 173.119.	Red.	10 gallons.	1 quart.	10 gallons.
Vinyl methyl ether, inhibited.	F.G.	173.306, 173.304, 173.314.	Red Gas.	20 pounds.	Not accepted.	20 pounds.
Vinyl trichlorosilane.	F.L.	No exemption, 173.135.	Red.	10 gallons.	do.	10 gallons.
War heads. See Explosive projectiles.						
Waste paper, wet.	SCM.	No exemption, 173.186.	Red Bottom.	Not accepted.	do.	Not accepted.
Waste textile, wet.	SCM.	No exemption, 173.211.	do.	do.	do.	Do.
Waste wool, wet.	SCM.	No exemption 173.213.	do.	do.	do.	Do.
Water reactive solids, n.o.s.	WRM.	173.153, 173.154.	Blue.	25 pounds.	do.	25 pounds.
*Water treatment compound, liquid.	Cor. L.	173.244, 173.249.	Corrosive Liquid.	10 gallons.	1 quart.	10 gallons.
Wet hair. See Hair, wet.						
Wet textile waste. See Waste textile, wet.						
Wood filler. See *Paint, varnish, lacquer, stain, shellac, varnish etc.						
Wool waste, wet. See Waste wool, wet.						

(1) Article	(2) Classed as—	(3) Exemptions and packaging (see section)	(4) Label required (if not exempt)	(5) Maximum quantity in one package		
				(a)	(b)	(c)
				Rail express	Passenger carrying aircraft	Cargo only aircraft
X-ray film. See Film.						
90% Xylene (xylol)	F.L.	173.118, 173.119	Red	do.	do.	Do.
Xylyl bromide	Irr.	No exemption, 173.382	Irritant	75 pounds	Not accepted	75 pounds
Zinc ammonium nitrate	Oxy. M.	No exemption, 173.228	Yellow	100 pounds	25 pounds	100 pounds
Zinc arsenate	Pols. B.	173.364, 173.365	Poison B.	200 pounds	50 pounds	200 pounds
Zinc arsenite, solid	Pols. B.	173.364, 173.365	do.	do.	do.	Do.
Zinc chlorate	Oxy. M.	173.153, 173.163, 173.370	Yellow	100 pounds	25 pounds	100 pounds
Zinc cyanide	Pols. B.		Poison B.	No limit	do.	No limit
Zinc ethyl. See Spontaneously combustible liquids, n.o.s.						
Zinc nitrate. See Nitrates, n.o.s.						
Zinc permanganate	Oxy. M.	173.153, 173.154	Yellow	100 pounds	do.	100 pounds
Zinc peroxide	Oxy. M.	173.153, 173.154	do.	do.	do.	Do.
Zirconium metal, dry, mechanically produced, finer than 870 mesh particle size.	SCM.	No exemption, 173.214	Red Bottom	75 pounds	Not accepted	75 pounds
Zirconium metal, dry, chemically produced, finer than 20 mesh particle size.	SCM.	do.	do.	do.	do.	Do.
Zirconium metal, wet, mechanically produced, finer than 870 mesh particle size.	F.S.	do.	Red Striped	150 pounds	do.	150 pounds
Zirconium metal, wet, chemically produced, finer than 20 mesh particle size.	F.S.	do.	do.	do.	do.	Do.
Zirconium metallic, liquid, suspensions.	F.L.	No exemption, 173.140	Red	5 pounds	do.	5 pounds
Zirconium picramate, wet with at least 20 percent of water	Oxy. M.	No exemption, 173.216	Yellow	25 pounds	do.	25 pounds
Zirconium scrap (borings, clippings, shavings, sheets or turnings).	F.S.	173.153, 173.220	Red Striped	100 pounds	do.	Not accepted

III. Part 173:

(A) In Part 173, Table of Contents, §§ 173.5, 173.6, and 173.27 would be amended to read as follows:

Sec.
173.5 Shipments by rail express and baggage by rail.
173.6 Shipments by air.
173.27 Rail express and aircraft limitations.

(B) In § 173.5, the heading would be amended; paragraph (b) would be added to read as follows:

§ 173.5 Shipments by rail express and baggage by rail.

* * *

(b) For shipments of explosives and other dangerous articles acceptable as baggage by rail carriers see Part 176 of the chapter, Regulations Applying to Rail Carriers in Baggage Service.

(C) Section 173.6 would be amended to read as follows:

§ 173.6 Shipments by air.

(a) *General shipping requirements.* When the regulations prohibit a hazardous material from shipment via cargo-only aircraft, such a material is prohibited from shipment via any passenger-carrying aircraft.

(b) *General packaging requirements.* (1) In addition to the requirements of this part and Part 178, each packaging must be designed and constructed to prevent leakage that may be caused by changes in altitude and temperature during air transportation.

(2) Inner receptacles which are breakable (such as earthenware, glass, or plastic), or any receptacles containing less than 1 quart of liquid material, must be packaged with adequate cushioning and absorbent material to prevent breakage and leakage under conditions normally incident to transportation (which include a 4-foot drop of the completed packaging in the position most likely to cause damage). Cushioning and absorbent materials must not be capable of reacting dangerously with the contents. Where plastic packagings are specified

in this part, plastic bags or pouches are not permitted unless specifically authorized.

(3) Sufficient outage (ullage) to prevent leakage of contents or distortion of packagings from any expansion of the contents by any increase in temperature up to 130° F. must be provided for any packaging containing liquid. The primary packaging (which may include composite packaging), for which retention of the liquid is the basic function, must be capable of withstanding an internal gage pressure of at least 15 p.s.i. without leaking. In addition, for liquids having an absolute vapor pressure exceeding 16 p.s.i. at 100° F., the primary packaging must be capable of withstanding the inside vapor pressure produced at 130° F., without any leakage.

(4) Stoppers, corks, or other such friction-type closures must be held securely and effectively in place with wire, tape, or other positive means.

(5) Bags permitted by the regulations as outside packaging for transportation aboard aircraft must be water resistant.

(6) Packaging incorporating valves, and containing any compressed gas, must be provided with sufficient protection to prevent operation and damage to such valves during transportation, by one of the following methods:

(i) By equipping each packaging with securely attached caps, or

(ii) By boxing or crating of the compressed gas packaging.

(c) *Special labeling requirements.* See § 173.402(b).

(d) *Special requirements for magnetized materials.* Each shipper offering magnetized materials for shipment shall:

(1) Package magnets or magnetized devices such as magnetrons and light meters so that the polarities of each unit oppose one another.

(2) Install keeper bars on permanent magnets, shield them, or arrange for special stowage to prevent the magnetic field from causing compass deviation.

(3) Label each package with the label described in § 173.414.

(D) In § 173.27, the heading and paragraphs (a) and (b) would be amended to read as follows:

§ 173.27 Rail express and aircraft limitations.

(a) Hazardous materials, except those not accepted for transportation, and except where special packaging is prescribed in this part for rail express or aircraft shipments, must, when offered for shipment by rail express or aircraft, be packaged, marked, and labeled in compliance with this part.

(b) The maximum quantity of any hazardous material that may be offered for transportation in one outside container by rail express, cargo-only aircraft, or passenger-carrying aircraft must not exceed that shown in § 172.5 of this chapter.

* * *

(E) In § 173.30 paragraph (a) would be amended; subparagraph (a) (3) would be added to read as follows:

§ 173.30 Loading and unloading of transport vehicles.

(a) Any person who loads or unloads shipments of hazardous materials into or from transport vehicles shall comply with the applicable loading and unloading provisions of Parts 174 and 177 of this chapter and Part 103 of Title 14, Code of Federal Regulations, as follows:

(1) Rail: Section 174.525 through 174.567 of this chapter.

(2) Highway: Section 177.834 through 177.848 of this chapter.

(3) Air: Title 14 CFR 103.1 through 103.35.

(F) In § 173.52, the introductory text of paragraph (a) would be amended to read as follows:

§ 173.52 Acceptable explosives.

(a) For the purposes of Parts 170-189 of this chapter, acceptable explosives are divided into three classes as defined in this section, viz. (see § 172.5 of this chapter for restrictions for shipments by rail express and aircraft).

* * *

(G) In § 173.80, paragraph (f) would be amended to read as follows:

§ 173.80 Charged oil well jet perforating guns.

(f) Charged oil well jet perforating guns must not be offered for transportation or be transported by carriers by rail freight, rail express, rail baggage, water, aircraft, or by common or contract carriers by public highway.

(H) In § 173.110, paragraph (b) would be amended to read as follows:

§ 173.110 Charged oil well jet perforating guns, total explosive content in guns not exceeding 20 pounds per motor vehicle.

(b) Charged oil well jet perforating guns must not be offered for transportation or transported by carriers by rail freight, rail express, rail baggage, water, aircraft, or by common or contract carriers by public highway.

(I) In § 173.128, the introductory text of paragraph (c), would be amended to read as follows:

§ 173.128 Paints and related materials.

(c) Paint, enamel, lacquer, satin, shellac, varnish, aluminum, bronze, gold, wood filler, liquid, and lacquer base liquid, and thinning, reducing and removing compounds therefor, and driers, liquid, therefor, in glass or earthenware containers not over 1 quart capacity each or metal containers not over 5 gallons capacity each, packed in strong outside containers are exempt from specification packaging, marking, and labeling requirements when offered for transportation by rail freight, highway, or water, except when offered for transportation by carrier by water, name of contents must be marked on outside container. Shipments for transportation by highway carriers are exempt also from Part 177 of this chapter, except § 177.817. When offered for transportation by rail express and cargo-only aircraft, shipments are exempt from specification packaging, marking, and labeling requirements, except that for shipments by air the label described in § 172.5 of this chapter must be affixed on the outside container; however, for shipments by cargo-only aircraft or rail express of packages having inside containers over 1 quart capacity, each outside packaging must be marked with the name of contents and bear the label described in § 172.5 of this chapter. When a fiberboard box is used for shipments by rail freight, rail express, motor vehicle, vessel, or aircraft, the gross weight must not exceed 65 pounds.

(J) In § 173.132, paragraph (b) would be amended to read as follows:

§ 173.132 Cement, liquid, n.o.s., container cement, linoleum cement, pyroxylin cement, rubber cement, tile cement, wallboard cement, and coating solution.

(b) Cements, except cements containing carbon bisulfide, in glass or earthen-

ware containers not over 1 quart capacity each, or metal containers not over 5 gallons capacity each, packed in strong outside containers are exempt from specification packaging, marking, and labeling requirements when offered for transportation by rail freight, highway, or water, except when offered for transportation by carrier by water, name of contents must be marked on outside container. Shipments for transportation by highway carriers are exempt also from Part 177 of this chapter, except § 177.817. When offered for transportation by rail express and cargo-only aircraft, shipments are exempt from specification packaging, marking, and labeling requirements, except that for shipments by air the label described in § 172.5 of this chapter must be affixed on the outside container however, for shipments by cargo-only aircraft or rail express of packages having inside containers over 1 quart capacity, each outside packaging must be marked with the name of contents and bear the label described in § 172.5 of this chapter. When a fiberboard box is used for shipments by rail freight, rail express, motor vehicle, vessel, or aircraft, the gross weight must not exceed 65 pounds.

(K) In § 173.144, paragraph (b) would be amended to read as follows:

§ 173.144 Inks.

(b) Ink in glass or earthenware containers not over 1 quart capacity each, or metal containers not over 5 gallons capacity each, packed in strong outside containers are exempt from specification packaging, marking, and labeling requirements when offered for transportation by rail freight, highway, or water, except when offered for transportation by carrier by water, name of contents must be marked on outside container. Shipments for transportation by highway carriers are also exempt from Part 177 of this chapter, except § 177.817. When offered for transportation by rail express and cargo-only aircraft, shipments are exempt from specification packaging, marking, and labeling requirements, except that for shipments by air the label described in § 172.5 of this chapter must be affixed on the outside container; however, for shipments by cargo-only aircraft or rail express of packages having inside containers over 1 quart capacity, each outside packaging must be marked with the name of contents and bear the label described in § 172.5 of this chapter. When a fiberboard box is used for shipments by rail freight, rail express, motor vehicle, vessel, or aircraft, the gross weight must not exceed 65 pounds.

(L) In § 173.162, paragraph (a) (9) would be amended to read as follows:

§ 173.162 Charcoal.

(a) * * *

(9) When offered for transportation by rail express and cargo-only aircraft, charcoal must be packaged in barrels, bags, or boxes. Charcoal briquettes shipped by rail express are not subject

to this restriction and are not required to be labeled.

(M) In § 173.176, Note 1 following paragraph (e) (2) would be canceled as follows:

§ 173.176 Matches.

(e) * * *
(2) * * *

NOTE: 1. [Canceled].

(N) In § 173.180, the introductory text of paragraph (a) would be amended to read as follows:

§ 173.180 Motion-picture film, and X-ray film, unexposed.

(a) Motion-picture film, and X-ray film, unexposed (nitrocellulose base), when offered for transportation by rail express, aircraft, or vessel must bear the label described in § 172.5 of this chapter and must be packaged in specification packaging as follows:

(O) In § 173.197, the introductory text of paragraph (a) would be amended to read as follows:

§ 173.197 Pyroxylin plastics, in sheets, rolls, rods, or tubes.

(a) Pyroxylin plastics, in sheets, rolls, rods, or tubes containing nitrocellulose is not subject to Parts 170-189 of this chapter when offered for transportation by carriers by rail freight or highway. When offered for transportation by carriers by rail express, aircraft, or vessel, these materials must be packaged in specification packaging as follows and must bear the label described in § 172.5 of this chapter.

(P) In § 173.217, paragraph (b) would be amended to read as follows:

§ 173.217 Calcium hypochlorite compounds, dry, lithium hypochlorite compounds, dry, dichloroisocyanuric acid, dry, potassium dichloroisocyanurate, dry, sodium dichloroisocyanurate, dry, and trichloroisocyanuric acid, dry.

(b) Strong outside wooden or fiberboard packages with inside glass containers not over 5 pounds capacity each, or with metal containers or plastic bottles not over 10 pounds capacity each, are exempt from specification packaging, marking, and labeling when offered for transportation by rail freight, rail express, cargo-only aircraft, or motor vehicle, except that for shipments by air the label described in § 172.5 of this chapter must be affixed on the outside container. When for transportation by water, strong wooden or fiberboard containers with inside glass containers no over 5 pounds capacity each, or with metal containers or plastic bottles not over 10 pounds capacity each, are exempt from specification packaging only. Shipments for transportation by highway carriers are exempt also from Part 177 of this chapter, except § 177.817.

(Q) In § 173.223, paragraph (b) would be amended to read as follows:

§ 173.223 Peracetic acid.

(b) Peracetic acid solutions not exceeding 40 percent concentration packaged in strong wooden or fiberboard boxes, with not more than one inside glass container not exceeding 1 pint or 1 pound capacity, cushioned with sterile absorbent cotton or other cushioning material which will not react with the contents to generate heat, and with such cushioning material in sufficient quantity to completely absorb the contents of the bottle, are exempt from specification packaging, marking other than name of contents, and labeling requirements except that for shipments by air the label described in § 172.5 of this chapter must be affixed on the outside container. Shipments for transportation by highway carriers are exempt also from Part 177 of this chapter, except § 177.817.

(R) In § 173.241 the introductory text of paragraph (a) would be amended to read as follows:

§ 173.241 Outage.

(a) Outage for containers of corrosive liquids for transportation by carriers by rail freight, rail express, air (see § 173.6 (b)(3)), highway, or water, must be as follows:

(S) In § 173.244, paragraph (b) would be amended to read as follows:

§ 173.244 Exemptions for acids and other corrosive liquids.

(b) Other exemptions from specification packaging, marking, and labeling requirements for rail freight, rail express, and highway transportation, and exemptions from specification packaging, marking other than name of contents, and labeling requirements for transportation by carrier by water, and exemptions from specification packaging and marking requirements for transportation by carrier by air, are shown with the packaging requirements for the particular commodity.

(T) In § 173.286, the introductory text of paragraph (b) would be amended to read as follows:

§ 173.286 Chemical kits.

(b) Chemical kits containing corrosives in inside containers not exceeding 8 fluid ounces capacity each and complying with all of the following requirements, are exempt from specification packaging, marking, other than name of contents, and labeling requirements, except that for shipment by air the label described in § 172.5 of this chapter must be affixed on the outside container. Shipments for transportation by highway carriers are exempt also from Part 177 of this chapter, except § 177.817.

(U) In § 173.344, the introductory text of paragraph (b) would be amended to read as follows:

§ 173.344 Packing for class B poisons, liquid.

(b) Outage. Outage for containers of liquid poison for transportation by carriers by rail freight, rail express, air (see § 173.6(b)(3)) highway, or water must be as follows:

(V) In § 173.371, paragraph (a)(2) would be amended to read as follows:

§ 173.371 Dinitrobenzol.

(2) Spec. 11A (§ 178.160 of this chapter). Wooden barrels, gross weight 300 pounds; must be shipped in carload or truckload shipments only and must not be offered for transportation by rail express, aircraft, or vessel.

(W) § 173.373, paragraph (a)(2) would be amended to read as follows:

§ 173.373 Ortho-nitroaniline and para-nitroaniline.

(2) Spec. 11A (§ 178.160 of this chapter). Wooden barrels, gross weight 385 pounds; must be shipped in carload or truckload shipments only and must not be offered for transportation by rail express, aircraft, or vessel.

(X) In § 173.402, the introductory text of paragraph (a)(14) (appearing in Docket No. HM-8; Notice No. 70-13, 35 F.R. 11742) would be amended to read as follows:

§ 173.402 Labeling of hazardous materials.

(14) For shipment by air, the shipper shall label each packaging with the appropriate label described in § 172.5 of this chapter, although the commodity otherwise may be exempted from those labeling requirements by this Part 173. In addition, when appropriate, the following labels must be used:

(Y) In Part 173, the phrases "rail freight, rail express, motor vehicle, or water"; "rail freight, rail express, highway, or water"; "rail freight, rail express, highway, or carriers by water" would be deleted and the following inserted in place thereof in the following sections: "rail freight, rail express, (rail baggage, if in present text) motor vehicle, vessel, or aircraft":

Sec.	Sec.
173.1 (a), (b)	173.65(d)
173.9(a)	173.116(a)
173.21(a)	173.182(b)
173.26(b)	173.238(a)
173.51(a)	173.331 (a), (b), (c)

(Z) In Part 173, the phrase "except that marking name of contents on outside container is required for shipments via carrier by water" would be deleted and the following inserted in place thereof in the following sections: "except that for shipments by water, the name of contents described in § 172.5 of this chapter

must be marked on the outside container and for shipments by air the label described in § 172.5 of this chapter must be affixed on the outside container.":

Sec.	Sec.
173.118(a)	173.263(b)(2)
173.129(b)	173.272(b)
173.130(a)	173.277 (d), (d)(1)
173.147(b)	173.279(b)
173.153 (a), (b)	173.306 (a), (b), (c), (d)(2), (e)(1), (e)(2)
173.181(a)	
173.220(b)(1)	173.345(a)
173.226(b)	173.364(a)
173.244(a)	173.369(b)
173.261(b)	

(AA) In Part 173, where the phrase "rail express" appears by itself (without reference to other modes of transportation) the words "or cargo-only aircraft" would be added to that phrase, in the following sections:

Sec.	Sec.
173.119(a)(3)	173.185(b)
173.120(a)	173.186(b)
173.121(b)	173.190 (c), (e)
173.122(b)	173.196 Heading, (a)
173.126(b)	173.199(b)
173.135(a)(5)	173.200(b)
173.136 (a)(3), (a)(4)	173.209(b)
173.138(b)	173.210(b)
173.143(b)	173.211(b)
173.159(b)	173.213(b)
173.167(b)	173.249(b)
173.169(b)	173.268 (i), (j)
173.170(b)	173.280(a)(5)
173.171(b)	173.306(d)(2)
173.172(b)	173.326(b)
173.174 (b), (d)	173.330(b)
	173.357(c)

(BB) In Part 173, after the words "and labeling requirements" insert "except for shipment by air the label described in § 172.5 of this chapter must be affixed on the outside container." in the following sections:

Sec.	Sec.
173.359(c)	173.377(f)
173.370 (b), (d)	

Interested persons are invited to give their views on this proposal. Communications should identify the docket number and be submitted in duplicate to the Secretary, Hazardous Materials Regulations Board, Department of Transportation, 400 Sixth Street SW., Washington, DC 20590. Communications received on or before August 31, 1971, will be considered before final action is taken on the proposal. All comments received will be available for examination by interested persons at the Office of the Secretary, Hazardous Materials Regulations Board, both before and after the closing date for comments.

This proposal is made under the authority of sections 831-835 of title 18, United States Code, section 9 of the Department of Transportation Act (49 U.S.C. 1657), and title VI and section 902(h) of the Federal Aviation Act of 1958 (49 U.S.C. 1421-1430 and 1472(h)).

Issued in Washington, D.C., on May 14, 1971.

W. J. BURNS,
Chairman, Hazardous
Materials Regulations Board.

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