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carried in a vessel, or that any particular provision shall be made or arrangement shall be adopted, the Commandant may accept in substitution therefor any other fitting, material, apparatus, or equipment, or type thereof, or any other arrangement: *Provided,* That he shall have been satisfied by suitable trials that the fitting, material, appliance, apparatus, or equipment, or type thereof, or the provision or arrangement is at least as effective as that specified in this subchapter.

(b) In any case where it is shown to the satisfaction of the Commandant that the use of any particular equipment, apparatus, or arrangement not specifically required by law is unreasonable or impracticable, the Commandant may permit the use of alternate equipment, apparatus, or arrangement to such an extent and upon such conditions as will insure, to his satisfaction, a degree of safety consistent with the minimum standards set forth in this subchapter.

[CGFR 65–50, 30 FR 16657, Dec. 30, 1965, as amended by USCG–2004–18884, 69 FR 58345, Sept. 30, 2004; USCG–2004–18884, 69 FR 68089, Nov. 23, 2004]

Subpart 30.25—Commodities Regulated

§ 30.25–1 Cargoes carried in vessels certificated under the rules of this subchapter.

The cargoes listed in table 30.25–1 are flammable or combustible and when transported in bulk must be in vessels certificated under the rules of this subchapter. A mixture or blend of two or more cargoes appearing in table 30.25–1 may be transported under the provisions of this subchapter. A category A, B, or C noxious liquid substance (NLS) cargo, as defined in §153.2 of this chapter, that is listed in table 30.25–1 and any mixture containing one or more category A, B, or C NLS cargoes listed in table 30.25–1 may be carried in bulk under this subchapter if the vessel is not regulated under part 153 of this chapter. If the vessel is regulated under §153.1 of this chapter, category A, B, and C NLS cargoes must be carried under part 153, or, as an alternative in the case of category C oil-like NLS, under 33 CFR part 151. Requirements for category D NLS cargoes and mixtures of non-NLS cargoes with category D NLS cargoes are in 33 CFR part 151.

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES

Cargo name	IMO Annex II Pollution Category
Acetone	III
Acetophenone	@D
Acrylonitrile-Styrene copolymer dispersion in Polyether polyol	D
Alcohols (C13+)	III
Alcoholic beverages, n.o.s.	III
Alcohol(C6–C17)(secondary) poly(3-6)ethoxylates	A
Alcohol(C6–C17)(secondary) poly(7-12)ethoxylates	B
Alcohol(C9–C11) poly(2.5-9)ethoxylate	B
Alcohol(C12–C15) poly(...)ethoxylates, *see* Alcohol(C12–C16) poly(...)ethoxylates	.....
Alcohol(C12–C16) poly(1-6)ethoxylates	A
Alcohol(C12–C16) poly(7-19)ethoxylates	B
Alcohol(C12–C16) poly(20+)ethoxylates	C
Alkanes (C6–C9)	C
n-Alkanes (C10+)	III
iso- & cyclo-Alkanes (C10–C11)	D
iso- & cyclo-Alkanes (C12+)	III
Alkaryl polyether (C9–C20)	B
Alkenyl(C11+) amine	D
Alkenyl(C16–C20) succinic anhydride)	D
Alkyl(C8+)amine, Alkenyl (C12+) acid ester mixture	D
Alkyl(C9+)benzenes	III
Alkylbenzenesulfonic acid (4% or less)	#
Alkyl dithiothiadiazole (C6–C24)	D
Alkyl ester copolymer (C4–C20)	D
Alkyl(C7–C11) phenol poly(4-12)ethoxylates	B
Alkyl phenol sulfide (C8–C40), *see* Alkyl(C8–C40) phenol sulfide	.....
Alkyl(C8–C40) phenol sulfide	D

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargo name	IMO Annex II Pollution Category
Alkyl(C9–C15) phenyl propoxylate	III
n-Alkyl phthalates, see individual phthalates	.....
Alkyl sulfonic acid ester of phenol	III
Aminoethyldiethanolamine, Aminoethylethanolamine solution	III
Amyl acetate (all isomers)	C
Amyl alcohol (iso-, n-, sec-, primary)	D
Amyl alcohol (tert-)	III
Amylene, see Pentene (all isomers)	C
tert-Amyl methyl ether (Methyl tert-pentyl ether)	C
Amyl methyl ketone, see Methyl amyl ketone	D
Animal and Fish oils, n.o.s.	D
(*see also* Oil, edible, *or* Oil, misc.)	
Including:	
Cod liver oil	
Lanolin	
Neatsfoot oil	
Pilchard oil	
Sperm oil	
Animal and Fish acid oils and distillates, n.o.s.	D
Including:	
Animal acid oil	
Fish acid oil	
Lard acid oil	
Mixed acid oil	
Mixed general acid oil	
Mixed hard acid oil	
Mixed soft acid oil	
Aryl polyolefin (C11–C50)	D
Asphalt	I
Asphalt blending stocks:	
Roofers flux	I
Straight run residue	I
Barium long chain (C11–C50) alkaryl sulfonate	B
Barium long chain alkyl(C8–C14)phenate sulfide	[A]
Behenyl alcohol	III
Benzene tricarboxylic acid trioctyl ester	III
Benzyl alcohol	C
Brake fluid base mixtures	D
(*containing Poly(2-8)alkylene(C2–C3) glycols, Polyalkylene(C2–C10) glycol monoalkyl(C1–C4) ethers, and their borate esters*)	
Butane	LFG
Butene, see Butylene.	
Butene oligomer	B
Butyl acetate (all isomers)	C
Butyl alcohol (iso-, n-, sec-, tert-), *see* Butyl alcohol (all isomers)	.....
Butyl alcohol (all isomers)	III
Butyl benzyl phthalate	A
Butylene	LFG
Butylene glycol	D
1,3-Butylene glycol, see Butylene glycol	.....
Butylene polyglycol, see Butylene glycol	.....
iso-Butyl formate	D
n-Butyl formate	@D
Butyl heptyl ketone	[C]
Butyl methyl ketone, see Methyl butyl ketone	.....
n-Butyl propionate	C
Butyl stearate	III
Butyl toluene	@A
gamma-Butyrolactone	D
Calcium alkyl(C9)phenol sulfide, polyolefin phosphorosulfide mixture	A
Calcium alkyl salicylate, see Calcium long chain alkyl salicylate (C13+)	.....
Calcium long chain alkaryl sulfonate (C11–C50)	D
Calcium long chain alkyl phenate (C8–C40), see Calcium long chain alkyl(C5–C10) phenate *or* Calcium long chain alkyl(C11–C40) phenate	.....
Calcium long chain alkyl(C5–C10) phenate	C
Calcium long chain alkyl(C11–C40) phenate	D
Calcium long chain alkyl phenate sulfide (C8–C40)	D
Calcium long chain alkyl phenolic amine (C8–C40)	III
Calcium long chain alkyl salicylate (C13+)	C
Caprolactam solutions	D

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargo name	IMO Annex II Pollution Category
Cetyl alcohol (hexadecanol), see Alcohols (C13+)	
Cetyl-Stearyl alcohol), *see* Alcohols (C13+)	III
† Coal tar	A
Copper salt of long chain (C17+) alkanoic acid	[D]
Cumene (isopropylbenzene), see Propylbenzene (all isomers)	
Cyclohexane	C
Cyclohexanol	D
1,3-Cyclopentadiene dimer (molten)	B
p-Cymene	C
Decahydronaphthalene	D
iso-Decaldehyde	@C
n-Decaldehyde	@B
Decane, see n-Alkanes (C10+)	
Decene	B
Decyl acetate	B
Decyl alcohol (all isomers)	B
n-Decylbenzene, *see* Alkyl(C9+)benzenes	III
Detergent alkylate	D
Diacetone alcohol	D
Dialkyl(C10–C14) benzenes, *see* Alkyl(C9+)benzenes	III
Dialkyl(C8–C9) diphenylamines	D
Dialkyl(C7–C13) phthalates *Including:* *Diisodecyl phthalate* *Diisononyl phthalate* *Dinonyl phthalate* *Ditridecyl phthalate* *Diundecyl phthalate*	D
Dibutyl carbinol, see Nonyl alcohol (all isomers)	
ortho-Dibutyl phthalate	A
Dicyclopentadiene, *see* 1,3-Cyclopentadiene dimer (molten)	B
Diethylbenzene	A
Diethylene glycol	D
Diethylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Diethylene glycol butyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether acetate	
Diethylene glycol dibutyl ether	D
Diethylene glycol diethyl ether	III
Diethylene glycol ethyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Diethylene glycol ethyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether acetate	
Diethylene glycol n-hexyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Diethylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Diethylene glycol methyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether acetate	
Diethylene glycol phenyl ether	#
Diethylene glycol phthalate	D
Diethylene glycol propyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Di-(2-ethylhexyl)adipate	D
Di-(2-ethylhexyl)phthalate, see Dioctyl phthalates	
Diethyl phthalate	C
Diglycidyl ether of Bisphenol A	B
Diheptyl phthalate	III
Dihexyl phthalate	III
Diisobutylcarbinol, *see* Nonyl alcohol (all isomers)	C
Diisobutylene	B
Diisobutyl ketone	D
Diisobutyl phthalate	B
Diisodecyl phthalate, see Dialkyl(C7–C13) phthalates	
Diisononyl adipate	D
Diisononyl phthalate, see Dialkyl(C7–C13) phthalates	
Diisooctyl phthalate	III
Diisopropylbenzene (*all isomers*)	A
Diisopropyl naphthalene	D
Dimethyl adipate	B
Dimethylbenzene, see Xylenes	
Dimethyl glutarate	C
Dimethyl phthalate	C
Dimethylpolysiloxane, *see* Polydimethylsiloxane	III
2,2-Dimethylpropane-1,3-diol (molten or solution)	D
Dimethyl succinate	C
Dinonyl phthalate, see Dialkyl(C7–C13) phthalates	
Dioctyl phthalate	III

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargo name	IMO Annex II Pollution Category
Dipentene	C
Diphenyl	A
Diphenyl, Diphenyl ether mixture	A
Diphenyl ether	A
Diphenyl ether, Biphenyl phenyl ether mixture	A
Dipropylene glycol	III
Dipropylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	.....
Dipropylene glycol dibenzoate	[D]
Dipropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	.....
Distillates:	
Flashed feed stocks	I
Straight run	I
Ditridecyl adipate	III
Ditridecyl phthalate, see Dialkyl(C7–C13) phthalates	.....
Diundecyl phthalate, see Dialkyl(C7–C13) phthalates	.....
Dodecane (all isomers), *see also* n-Alkanes (C10+)	III
Dodecanol	B
Dodecene (all isomers)	B
Dodecyl alcohol, *see* Dodecanol	.....
Dodecylbenzene, *see* Alkyl(C9+)benzenes	III
Dodecyl hydroxypropyl sulfide	A
Dodecyl phenol	A
Dodecyl xylene	III
Drilling mud (low toxicity) (*if flammable or combustible*)	[III]
Ethane	LFG
2-Ethoxyethyl acetate	C
Ethoxylated alkyloxy alkyl amine, see Ethoxylated long chain (C16+) alkyloxyalkanamine	.....
Ethoxylated long chain (C16+) alkyloxyalkanamine	D
Ethoxy triglycol (*crude*)	D
Ethyl acetate	D
Ethyl acetoacetate	D
Ethyl alcohol	III
Ethyl amyl ketone	C
Ethylbenzene	B
Ethyl butanol	@D
Ethyl tert-butyl ether	C
Ethyl butyrate	C
Ethyl cyclohexane	C
Ethylene	LFG
Ethylene carbonate	III
Ethylene glycol	D
Ethylene glycol acetate	D
Ethylene glycol butyl ether acetate	C
Ethylene glycol diacetate	C
Ethylene glycol dibutyl ether	[D]
Ethylene glycol ethyl ether acetate, see 2-Ethoxyethyl acetate	.....
Ethylene glycol methyl butyl ether	D
Ethylene glycol methyl ether acetate	C
Ethylene glycol phenyl ether	D
Ethylene glycol phenyl ether, Diethylene glycol phenyl ether mixture	D
Ethylene-Propylene copolymer (*in liquid mixtures*)	[III]
Ethyl-3-ethoxypropionate	C
2-Ethylhexaldehyde, see Octyl aldehydes	.....
2-Ethylhexanoic acid, see Octanoic acid (all isomers)	.....
2-Ethylhexanol, see Octanol (all isomers)	.....
Ethylhexoic acid, see 2-Ethylhexanoic acid	.....
Ethyl hexyl phthalate	C
2-Ethyl-2-(hydroxymethyl) propane-1,3-diol, C8–C10 ester	D
Ethyl propionate	D
Ethyl toluene	B
Fatty acid (saturated, C13+), *see* Fatty acid (saturated, C14+)	.....
Fatty acid (saturated, C14+)	III
Formamide	D
Furfuryl alcohol	C
† Gas oil, cracked	I
Gasoline blending stocks:	
Alkylates	I
† Reformates	I
Gasolines:	
† Automotive (*containing not over 4.23 grams lead per gallon*)	I

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargo name	IMO Annex II Pollution Category
† Aviation (*containing not over 4.86 grams lead per gallon*)	I
Casinghead (*natural*)	I
Polymer	I
† Straight run	I
Glycerine	III
Glycerine (83%), Dioxanedimethanol (17%) mixture	D
Glycerol, see Glycerine	
Glycerol monooleate	D
Glycerol polyalkoxylate	III
Glyceryl triacetate	III
Glycidyl ester of tertiary carboxylic acid, see Glycidyl ester of tridecyl acetic acid	
Glycidyl ester of C10 trialkylacetic acid, *see* Glycidyl ester of tridecyl acetic acid	B
Glycidyl ester of tridecyl acetic acid	B
Glycidyl ester of versatic acid, see Glycidyl ester of tridecyl acetic acid	
Glycol diacetate, see Ethylene glycol diacetate	
Glycol triacetate, see Glyceryl triacetate	
Glyoxal solution (40% or less)	D
Glyphosate solution (not containing surfactant)	D
Heptadecane, see n-Alkanes (C10+)	
Heptane (all isomers), *see* Alkanes (C6–C9)	C
Heptanoic acid	D
Heptanol (all isomers)	C
Heptene (all isomers)	C
Heptyl acetate	B
Herbicide (C15 -H22 -NO2 -Cl), see Metolachlor	
1-Hexadecylnaphthalene, 1,4-bis(Hexadecyl)naphthalene mixture	III
Hexaethylene glycol, see Polyethylene glycol	
Hexamethylene glycol	III
Hexamethylenetetramine solutions	D
Hexane (all isomers), *see* Alkanes (C6–C9)	C
Hexanoic acid	D
Hexanol	D
Hexene (all isomers)	C
Hexyl acetate	B
Hexylene glycol	III
Hog grease, see Lard	
2-Hydroxy-4-(methylthio)butanoic acid	C
Hydroxy terminated polybutadiene, *see* Polybutadiene, hydroxy terminated	
Isophorone	D
Jet fuels:	
† JP-4	I
JP-5 (*kerosene, heavy*)	I
JP-8	@I
Kerosene	I
Lactic acid	D
Lard	III
Latex (ammonia (1% or less) inhibited)	D
Latex, liquid synthetic	III
including:	
Styrene-butadiene rubber	III
Carboxylated styrene-butadiene copolymer	III
Lecithin	III
Long chain alkaryl polyether (C11–C20)	C
Long chain alkaryl sulfonic acid (C16–C60)	D
Long chain alkylphenate/Phenol sulfide mixture	III
Magnesium long chain alkaryl sulfonate (C11–C50)	D
Magnesium long chain alkyl phenate sulfide (C8–C20)	[D]
Magnesium long chain alkyl salicylate (C11+)	C
Magnesium nonyl phenol sulfide, see Magnesium long chain alkyl phenate sulfide (C8–C20)	
Magnesium sulfonate, see Magnesium long chain alkaryl sulfonate (C11–C50)	
2-Mercaptobenzothiazol (*in liquid mixtures*)	#
Methane	LFG
3-Methoxy-1-butanol	III
3-Methoxybutyl acetate	D
1-Methoxy-2-propyl acetate	#
Methoxy triglycol (triethylene glycol methyl ether), see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Methyl acetate	III
Methyl acetoacetate	D
Methyl alcohol	D
Methyl amyl acetate	C

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargo name	IMO Annex II Pollution Category
Methyl amyl alcohol	C
Methyl amyl ketone	D
Methyl butanol, see the amyl alcohols	
Methyl butenol	D
Methyl tert-butyl ether	D
Methyl butyl ketone	D
Methyl butyrate	C
Methyl ethyl ketone	III
N-Methylglucamine solution (70% or less)	III
Methyl heptyl ketone	B
Methyl isobutyl carbinol, see Methyl amyl alcohol	
Methyl isobutyl ketone	D
3-Methyl-3-methoxybutanol	III
3-Methyl-3-methoxybutyl acetate	III
Methyl naphthalene	A
Methyl pentene, see Hexene (all isomers)	
Methyl tert-pentyl ether (*IMO cargo name*) tert-Amyl methyl ether	
2-Methyl-1,3-propanediol	III
Methyl propyl ketone	D
N-Methyl-2-pyrrolidone	D
Metolachlor	B
Mineral spirits	I
Myrcene	D
Naphtha:	
† Aromatic (*having less than 10% Benzene*)	@I
Heavy	@I
Paraffinic	@I
† Petroleum	I
† Solvent	I
Stoddard Solvent	@I
† Varnish makers' and painters' (75%)	@I
Naphthalene sulfonic acid-formaldehyde copolymer, sodium salt solution	D
Naphthenic acid	A
Nonane (all isomers), *see* Alkanes (C6–C9)	C
Nonanoic acid (all isomers)	D
Nonanoic, Tridecanoic acid mixture	@D
Nonene (all isomers)	B
Nonyl acetate	C
Nonyl alcohol (all isomers)	C
Nonyl methacrylate *monomer*	D
Nonyl phenol	A
Nonyl phenol poly(4+)ethoxylates	B
Nonyl phenol sulfide (90% or less), see Alkyl phenol sulfide (C8–C40)	
Noxious liquid, N.F., (1) n.o.s. (''trade name'' contains ''principle components'') ST 1, Cat A (*if combustible*)	A
Noxious liquid, F., (2) n.o.s. (''trade name'' contains ''principle components'') ST 1, Cat A	A
Noxious liquid, N.F., (3) n.o.s. (''trade name'' contains ''principle components'') ST 2, Cat A (*if combustible*)	A
Noxious liquid, F., (4) n.o.s. (''trade name'' contains ''principle components'') ST 2, Cat A	A
Noxious liquid, N.F., (5) n.o.s. (''trade name'' contains ''principle components'') ST 2, Cat B (*if combustible*)	B
Noxious liquid, N.F., (6) n.o.s. (''trade name'' contains ''principle components'') ST 2, Cat B, mp. equal to or greater than 15 deg. C (*if combustible*)	B
Noxious liquid, F., (7) n.o.s. (''trade name'' contains ''principle components'') ST 2, Cat B	B
Noxious liquid, F., (8) n.o.s. (''trade name'' contains ''principle components'') ST 2, Cat B, mp. equal to or greater than 15 deg. C	B
Noxious liquid, N.F., (9) n.o.s. (''trade name'' contains ''principle components'') ST 3, Cat A (*if combustible*)	A
Noxious liquid, F., (10) n.o.s. (''trade name'' contains ''principle components'') ST 3, Cat A	A
Noxious liquid, N.F., (11) n.o.s. (''trade name'' contains ''principle components'') ST 3, Cat B (*if combustible*)	B
Noxious liquid, N.F., (12) n.o.s. (''trade name'' contains ''principle components'') ST 3, Cat B, mp. equal to or greater than 15 deg. C (*if combustible*)	B
Noxious liquid, F., (13) n.o.s. (''trade name'' contains ''principle components'') ST 3, Cat B	B
Noxious liquid, F., (14) n.o.s. (''trade name'' contains ''principle components'') ST 3, Cat B, mp. equal to or greater than 15 deg. C	B
Noxious liquid, N.F., (15) n.o.s. (''trade name'' contains ''principle components'') ST 3, Cat C (*if combustible*)	C
Noxious liquid, F., (16) n.o.s. (''trade name'' contains ''principle components'') ST 3, Cat C	C
Noxious liquid, n.o.s. (17) (''trade name,'' contains ''principal components''), Category D (*if flammable or combustible*)	D
Non-noxious liquid, n.o.s. (18) (''trade name,'' contains ''principal components''), appendix III (*if flammable or combustible*)	III
Octadecene, see the olefin or alpha-olefin entries	
Octadecenoamide solution (*oleamide*)	[D]
Octane (all isomers), *see* Alkanes (C6–C9)	C

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargo name	IMO Annex II Pollution Category
Octanoic acid (all isomers)	D
Octanol (all isomers)	C
Octene (all isomers)	B
Octyl acetate	C
Octyl alcohol (iso-, n-), see Octanol (all isomers)	
Octyl aldehydes	B
Octyl decyl adipate	III
Octyl phthalate (Di-(2-ethylhexyl)phthalate), see Dioctyl phthalates	
Oil, edible:	
Beechnut	D
Castor	D
Cocoa butter	D
Coconut	D
Cod liver	D
Corn	D
Cottonseed	D
Fish, *n.o.s.*	D
Groundnut	D
Hazelnut	D
Lard	@III
Maize, *see* Corn oil	D
Nutmeg butter	D
Olive	D
Palm	D
Palm kernel	D
Peanut	D
Poppy	D
Raisin seed	D
Rapeseed	D
Rice bran	D
Safflower	D
Salad	D
Sesame	D
Soya bean	D
Sunflower, *see* Sunflower seed	D
Sunflower seed	D
Tucum	D
Vegetable, *n.o.s.*	D
Walnut	D
Oil, fuel:	
No. 1 (*kerosene*)	I
No. 1-D	I
No. 2	I
No. 2-D	I
No. 4	I
No. 5	I
No. 6	I
Oil, misc:	
Aliphatic	@I
Animal, *n.o.s.*	D
Aromatic	I
Clarified	I
Coal	#
Coconut oil, fatty acid	C
Coconut oil, fatty acid methyl ester	D
Cottonseed, fatty acid, see Cottonseed oil, fatty acid	
† Crude	I
Diesel	I
Gas, high pour	@I
Gas, low pour	@I
Gas, low sulfur	@I
Heartcut distillate	I
Lanolin	D
Linseed	D
Lubricating	I
Mineral	I
Mineral seal	@I
Motor	I
Neatsfoot	D
Oiticica	D

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargo name	IMO Annex II Pollution Category
Palm oil, fatty acid methyl ester	D
Penetrating	I
Perilla	D
Pilchard	D
Pine	C
Residual	I
Road	I
Rosin	B
Seal	I
Soapstock	#
Soya bean (epoxidized)	[D]
Sperm	D
Spindle	I
Tall	B
Tall, fatty acid	C
Transformer	I
Tung	D
Turbine	I
Whale	D
alpha-Olefins (C6–C18)	B
alpha-Olefins (C13–C18)	III
Olefin mixtures (C5–C7)	C
Olefin mixtures (C5–C15)	B
Olefins (C13+, all isomers)	III
Olefin/Alkyl ester copolymer (molecular weight 2000+)	D
Oleic acid	D
Oleyl alcohol (octadecenol), see Alcohols (C13+)	.....
Palm kernel acid oil, methyl ester	[D]
Palm stearin	D
n-Paraffins (C10–C20), see n-Alkanes (C10+)	.....
Pentadecanol, see Alcohols (C13+)	.....
Pentaethylene glycol, see Polyethylene glycols	.....
Pentaethylenehexamine	D
Pentane (all isomers)	C
Pentanoic acid	D
Pentene (all isomers)	C
n-Pentyl propionate	C
Petrolatum	III
1-Phenyl-1-xylyl ethane	C
Phosphate esters, alkyl(C12–C14) amine	B
Phosphosulfurized bicyclic terpene	#
Pinene, see the alpha- or beta- isomers	.....
alpha-Pinene	A
beta-Pinene	B
Polyalkylene glycols, Polyalkylene glycol monoalkyl ethers mixtures	@D
Polyalkylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	.....
Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	D
Including:	
Diethylene glycol butyl ether	
Diethylene glycol ethyl ether	
Diethylene glycol n-hexyl ether	
Diethylene glycol methyl ether	
Diethylene glycol n-propyl ether	
Dipropylene glycol butyl ether	
Dipropylene glycol methyl ether	
Polypropylene glycol methyl ether	
Triethylene glycol butyl ether	
Triethylene glycol ethyl ether	
Triethylene glycol methyl ether	
Tripropylene glycol methyl ether	
Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether acetate	D
Including:	
Diethylene glycol butyl ether acetate	
Diethylene glycol ethyl ether acetate	
Diethylene glycol methyl ether acetate	
Polyalkylene oxide polyol	C
Polycarboxylic ester (C9+), see Ditridecyl adipate.	
Polyalkyl(C10–C20) methacrylate	D
Polybutadiene, hydroxy terminated	[III]
Polybutene	III

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargo name	IMO Annex II Pollution Category
Polybutenyl succinimide	D
Polydimethylsiloxane	#
Polyether (molecular weight 2000+)	D
Polyethylene glycol	III
Polyethylene glycol dimethyl ether	III
Polyethylene glycol monoalkyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Polyglycerine, Sodium salts solution (containing less than 3% Sodium hydroxide)	III
Polyglycerol	III
Polyisobutenyl anhydride adduct	III
Poly(4+)isobutylene	III
Polymerized esters	#
Polyolefin (molecular weight 300+)	III
Polyolefin amide alkeneamine (C17+)	D
Polyolefin amide alkeneamine (C28+)	D
Polyolefin amide alkeneamine borate (C28–C250)	D
Polyolefin amide alkeneamine/Molybdenum oxysulfide mixture	C
Polyolefin amide alkeneamine polyol	D
Polyolefin anhydride	D
Polyolefin ester (C28–C250)	D
Polyolefin phenolic amine (C28–C250)	D
Polyolefin phosphorosulfide, barium derivative (C28–C250)	C
Poly(20)oxyethylene sorbitan monooleate	III
Poly(5+)propylene	III
Polypropylene glycol	D
Polypropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Polysiloxane	III
Potassium oleate	C
Potassium salt of polyolefin acid	III
Propane	LFG
n-Propoxypropanol (propylene glycol propyl ether), see Propylene glycol monoalkyl ether	
iso-Propyl acetate	III
n-Propyl acetate	D
iso-Propyl alcohol	III
n-Propyl alcohol	III
iso-Propylbenzene (cumene), see Propylbenzene (all isomers)	
n-Propylbenzene, see Propylbenzene (all isomers)	
Propylbenzene (all isomers)	A
iso-Propylcyclohexane	C
Propylene	LFG
Propylene-butylene copolymer	III
Propylene carbonate	III
Propylene dimer	C
Propylene glycol	III
Propylene glycol n-butyl ether, see Propylene glycol monoalkyl ether	
Propylene glycol ethyl ether, see Propylene glycol monoalkyl ether	
Propylene glycol methyl ether, see Propylene glycol monoalkyl ether	
Propylene glycol methyl ether acetate	D
Propylene glycol monoalkyl ether	D
Including:	
n-Propoxypropanol	
Propylene glycol n-butyl ether	
Propylene glycol ethyl ether	
Propylene glycol methyl ether	
Propylene glycol propyl ether	
Propylene glycol phenyl ether	D
Propylene glycol propyl ether, see Propylene glycol monoalkyl ether	
Propylene polymer (*in liquid mixtures*)	#
Propylene tetramer	B
Propylene trimer	B
Pseudocumene, see Trimethylbenzenes	
Rum, see Alcoholic beverages, n.o.s.	
Sodium acetate, Glycol, Water mixture (containing 1% or less, Sodium hydroxide) (*if flammable or combustible*)	#
Sodium acetate solution	D
Sodium benzoate *solution*	D
Sodium long chain alkyl salicylate (C13+)	[C]
Soyabean oil (epoxidized)	[D]
Stearic acid, see Fatty acid (saturated, C14+)	
Stearyl alcohol (*octadecanol*)	III
Sulfohydrocarbon (C3–C88)	D
Sulfohydrocarbon, long chain (C18+) alkylamine	B

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargo name	IMO Annex II Pollution Category
Sulfolane	D
Sulfurized fat (C14–C20)	D
Sulfurized polyolefinamide alkene(C28–C250)amine	D
Tallow	D
Tallow alcohol, see Alcohols (C13+)	
Tallow fatty acid	D
Tallow *alkyl* nitrile	#
Tetradecanol, see Alcohols (C13+)	
Tetradecene, see the olefin or alpha-olefin entries	
Tetradecylbenzene, *see* Alkyl(C9+)benzenes	III
Tetraethylene glycol	III
Tetrahydronaphthalene	C
Tetrapropylbenzene, see Alkyl(C9+)benzenes	
Toluene	C
Triarylphosphate, see Triisopropylated phenyl phosphates	
Tributyl phosphate	B
Tricresyl phosphate (less than 1% of the ortho isomer)	A
Tridecane, see n-Alkanes (C10+)	
Tridecanoic acid	B
Tridecanol, see Alcohols (C13+)	
Tridecene, see Olefins (C13+)	
Tridecyl acetate	III
Tridecylbenzene, *see* Alkyl(C9+)benzenes	III
Triethylbenzene	A
Triethylene glycol	III
Triethylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Triethylene glycol butyl ether mixture	#
Triethylene glycol di-(2-ethylbutyrate)	[C]
Triethylene glycol ether mixture	#
Triethylene glycol ethyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Triethylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Triethyl phosphate	D
Triisooctyl trimellitate	#
Triisopropanolamine	III
Triisopropylated phenyl phosphates	A
Trimethylbenzene (all isomers)	A
Trimethylol propane polyethoxylate	D
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	III
2,2,4-Trimethyl-3-pentanol-1-isobutyrate	#
Tripropylene, see Propylene trimer	
Tripropylene glycol	III
Tripropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
Trixylenyl phosphate	A
Trixylyl phosphate, *see* Trixylenyl phosphate	A
Turpentine	B
†*Turpentine substitute, see* White spirit (low (15–20%) aromatic)	
Undecanol, see 1- Undecyl alcohol	
Undecene	B
1- Undecyl alcohol	B
Undecylbenzene, *see* Alkyl(C9+)benzenes	III
Vegetable oils, n.o.s. (*see also* Oil, edible)	D

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

Cargo name	IMO Annex II Pollution Category
Including:	
Beechnut oil	
Castor oil	
Cocoa butter	
Coconut oil	
Corn oil	
Cottonseed oil	
Groundnut oil	
Hazelnut oil	
Linseed oil	
Nutmeg butter	
Oiticica oil	
Olive oil	
Palm kernel oil	
Palm oil	
Peel oil (oranges and lemons)	
Perilla oil	
Poppy oil	
Raisin seed oil	
Rapeseed oil	
Rice bran oil	
Safflower oil	
Salad oil	
Sesame oil	
Soya bean oil	
Sunflower seed oil	
Tucum oil	
Tung oil	
Walnut oil	
Vegetable acid oils and distillates, n.o.s.	D
Including:	
Corn acid oil	
Cottonseed acid oil	
Dark mixed acid oil	
Groundnut acid oil	
Mixed acid oil	
Mixed general acid oil	
Mixed hard acid oil	
Mixed soft acid oil	
Rapeseed acid oil	
Safflower acid oil	
Soya acid oil	
Sunflower seed acid oil	
Waxes:	D
Candelilla	@D
Carnauba	@D
Paraffin	III
†*White spirit, see* White spirit (low (15–20%) aromatic)	.....
†White spirit (low (15–20%) aromatic)	B
Wine, see Alcoholic beverages, n.o.s.	.....
Xylenes (*ortho-, meta-, para-)*	C
Zinc alkaryl dithiophosphate (C7–C16)	C
Zinc alkenyl carboxamide	D
Zinc alkyl dithiophosphate (C3–C14)	B

NOTE: See table 2 of part 153 for additional cargoes permitted to be carried by tank barge.
Explanation of Symbols: As used in this table the following stands for:
A, B, C, D—NLS Category of Annex II of MARPOL 73/78.
I—Considered an ''oil'' under Annex I of MARPOL 73/78.
III—Appendix III of Annex II (non-NLS cargoes) of MARPOL 73/78.
LFG—Liquefied flammable gas.
#—No determination of NLS status. For shipping on an oceangoing vessel, see 46 CFR 153.900(c).
[ ]—A NLS category in brackets indicates that the product is provisionally categorized and that further data are necessary to complete the evaluation of its pollution hazards. Until the hazard evaluation is completed, the pollution category assigned is used.
@—The NLS category has been assigned by the U.S. Coast Guard, in absence of one assigned by the IMO. The category is based upon a GESAMP Hazard Profile or by analogy to a closely related product having an NLS assigned.
†—The provisions contained in 46 CFR part 197, subpart C, may apply to this cargo.
Abbreviations for Noxious liquid Cargoes:
N.F.—non-flammable (flash point greater than 60 degrees C (140 degrees F) cc).
F.—flammable (flash point less than or equal to 60 degrees C (140 degrees F) cc).
n.o.s.—not otherwise specified.

ST—Ship type.
Cat—Pollution category.
Words in italic are not part of the cargo name but may be used in addition to the cargo name.
When one entry references another entry by use of the word "*see*", and both names are in roman type, either name may be used as the cargo name (e.g., Diethyl ether, *see* Ethyl ether). However, the referenced entry is preferred.

[CGD 00–7079, 65 FR 67157, Nov. 8, 2000]

EFFECTIVE DATE NOTE: By USCG–2013–0423, 78 FR 50152, Aug. 16, 2013, § 30.25–1 was revised, effective Sept. 16, 2013. At 78 FR 56837, Sept. 16, 2013, the effectiveness was delayed until Jan. 16, 2014. At 79 FR 2106, Jan. 13, 2014, the effectiveness was delayed until Jan. 16, 2015. For the convenience of the user, the revised text is set forth as follows:

§ 30.25–1 Cargoes carried in vessels certificated under the rules of this subchapter.

(a) Table 30.25–1 lists flammable or combustible cargoes that, when transported in bulk, must be in vessels certificated under this subchapter D.

(b) A mixture or blend of two or more cargoes appearing in Table 30.25–1 may be transported under this subchapter D.

(c) A mixture or blend of one or more cargoes appearing in Table 30.25–1 and one or more cargoes appearing in Table 2, 46 CFR part 153, may be carried under this subchapter D if the mixture is flammable or combustible.

(d) Any mixture containing one or more substance categorized by the International Maritime Organization (IMO) and listed in Table 30.25–1 as a category X, Y, or Z noxious liquid substance (NLS) may be carried in bulk—

(1) Under this subchapter D if the vessel is not regulated under 46 CFR part 153;

(2) Under part 153 if the vessel is regulated under that part; or alternatively under 33 CFR part 151 in the case of a category Y oil-like NLS; or

(3) Under 33 CFR part 151 if the cargo is a category Z NLS or a mixture of non-NLS and category Z NLS cargoes.

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Acetochlor*	X
Acetone	Z
Acetophenone	#
Acrylonitrile-Styrene copolymer dispersion in polyether polyol	Y
Alcohol(C6-C17)(secondary) poly(3-6)ethoxylates	Y
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	Y
Alcohol(C9-C11) poly(2.5-9)ethoxylate	Y
Alcohol(C12-C15) poly(. . .)ethoxylates, see Alcohol(C12-C16) poly(. . .) ethoxylates	Y
Alcohol(C12-C16) poly(1-6)ethoxylates	Y
Alcohol(C12-C16) poly(7-19)ethoxylates	Y
Alcohol(C12-C16) poly(20+)ethoxylates	Y
Alcohols (C13+)	Y
Alcoholic beverages, n.o.s.	Z
Aliphatic oil	I
Alkanes (C6-C9)	X
Iso- and cyclo-alkanes (C10-C11)	Y
Iso- and cyclo-alkanes (C12+)	Y
n-Alkanes (C10+)	Y
Alkaryl polyethers (C9-C20)	Y
Alkenyl(C11+) amide*	X
Alkenyl(C8+) amine, Alkenyl(C12+) acid ester mixture	#
Alkyl acrylate-Vinylpyridine copolymer in toluene*	Y
Alkylbenzene, alkylindane, alkylindene mixture (each C12-C17)*	Z
Alkyl(C3-C4) benzenes*	Y
Alkyl(C5-C8) benzenes*	X
Alkyl(C8-C9) phenylamine in aromatic solvents*	Y
Alkyl(C9+) benzenes	Y
Alkyl(C11-C17) benzene sulfonic acid*	Y
Alkylbenzene sulfonic acid (4% or less)	#
Alkyl dithiocarbamate (C19-C35)*	Y
Alkyl dithiothiadiazole (C6-C24)	Y
Alkyl ester copolymer (C4-C20)	Y
Alkyl(C7-C11)phenol poly(4-12) ethoxylate	Y
Alkyl phenol sulfide (C8-C40), see Alkyl(C8-C40) phenol sulfide.	
Alkyl(C8-C40) phenol sulfide	Z
Alkyl(C8-C9) phenylamine in aromatic solvents*	Y

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Alkyl(C9-C15) phenyl propoxylate	Z
Alkyl(C8-C10) polyglucoside solution (65% or less)*	Y
Alkyl(C12-C14) polyglucoside solution (55% or less)*	Y
Alkyl(C8-C10)/(C12-C14):(40% or less/60% or more) polyglucoside solution (55% or less)*	Y
Alkyl(C8-C10)/(C12-C14):(60% or more/40% or less) polyglucoside solution (55% or less)*	Y
Alkyl(C8-C10)/(C12-C14):(50%/50%) polyglucoside solution (55% or less)*	Y
Alkyl(C10-C20, saturated and unsaturated) phosphate*	Y
n-Alkyl phthalates, see individual phthalates.	
Alkyl sulfonic acid ester of phenol	Y
Aminoethyldiethanolamine/Aminoethylethanolamine solution	Z
2-Amino-2-methyl-1-propanol*	Z
Amyl acetate (all isomers)	Y
Amyl alcohol (iso-, n-, sec-, primary, tert-)	Z
tert-Amyl ethyl ether*	Z
tert-Amyl methyl ether	X
Amyl methyl ketone, see Methyl amyl ketone.	
Amylene, see Pentene (all isomers).	
Animal acid oil	#
Animal and Fish acid oils and distillates, n.o.s.	#
Animal and Fish oils, n.o.s.	#
Animal oil	#
Aromatic oil	I
Aryl polyolefins (C11-C50)	Y
Asphalt	I
Asphalt blending stocks:	
Roofers flux	I
Straight run residue	I
Aviation alkylates (C8 paraffins and iso-paraffins BPT 95-120 °C)*	X
Barium long-chain alkyl (C8-C14) phenate sulfide	#
Beechnut oil	#
Behenyl alcohol, see Alcohols (C13+).	
Benzene tricarboxylic acid, trioctyl ester	Y
Benzyl acetate*	Y
Benzyl alcohol	Y
Brake fluid base mix: Poly(2-8)alkylene(C2-C3) glycols/Polyalkylene(C2-C10) glycols monoalkyl(C1-C4) ethers and their borate esters	Z
Butene, see Butylene.	
Butene oligomer	X
Butyl acetate (all isomers)	Y
Butyl alcohol (iso-, n-, sec-, tert-), see Butyl alcohol (all isomers).	
Butyl alcohol (all isomers)	Z
Butylbenzene (all isomers)*	X
Butyl benzyl phthalate	X
Butyl butyrate (all isomers)*	Y
Butylene glycol	Z
1,3-Butylene glycol, see Butylene glycol.	
iso-Butyl formate	#
n-Butyl formate	#
Butyl heptyl ketone	#
Butyl methyl ketone, see Methyl butyl ketone.	
n-Butyl propionate	Y
Butyl stearate	#
Butyl toluene	#
gamma-Butyrolactone	Y
Calcium alkyl(C9)phenol sulfide, polyolefin phosphorosulfide mixture	#
Calcium alkyl salicylate, see Calcium long-chain alkyl salicylate (C13+).	
Calcium long-chain alkaryl sulfonate (C11-C50)	#
Calcium long-chain alkyl phenate (C8-C40), see Calcium long-chain alkyl(C5-C10) phenate *or* Calcium long-chain alkyl(C11-C40) phenate.	
Calcium long-chain alkyl(C5-C10) phenate	Y
Calcium long-chain alkyl(C11-C40) phenate	Y
Calcium long-chain alkyl phenolic amine (C8-C40)	#
Calcium long-chain alkyl salicylate (C13+)	Y
Candelilla wax, see Waxes.	
Caprolactam solutions, see epsilon-Caprolactam (molten or aqueous solutions).	
epsilon-Caprolactam (molten or aqueous solutions)*	Z
Carnauba wax, see Waxes.	
Cetyl alcohol, see Alcohols (C13+).	

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Cetyl- stearyl alcohol, see Alcohols (C13+).	
Chlorinated paraffins (C10-C13)*	X
1-(4-Chlorophenyl)-4,4-dimethyl-pentan-3-one*	Y
Citric acid (70% or less)*	Z
Clarified oil	I
Coal oil	#
Coconut oil fatty acid methyl ester*	Y
Cod liver oil	#
Copper salt of long-chain (C17+) alkanoic acid	Y
Corn acid oil	#
Cotton seed acid oil	#
Cotton seed, fatty acid, see Cotton seed oil, fatty acid.	
Cotton seed oil, fatty acid	#
Crude Isononylaldehyde	#
Crude Isopropanol	@Z
dagger; Crude oil	I
Cumene , see Propylbenzene (all isomers).	
Cycloheptane*	X
Cyclohexane	Y
Cyclohexanol	Y
Cyclohexyl acetate*	Y
1,3-Cyclopentadiene dimer (molten)	Y*
Cyclopentane*	Y
Cyclopentene*	Y
p-Cymene	Y
Dark mixed acid oil	#
Decahydronaphthalene	Y
iso-Decaldehyde	#
n-Decaldehyde	#
Decane, see n-Alkanes (C10+).	
Decanoic acid*	X
Decene	X
Decyl acetate	#
Decyl alcohol (all isomers)	Y
n-Decylbenzene, see Alkyl(C9+)benzenes.	
Detergent alkylate, see Alkyl(C9+)benzenes.	
Diacetone alcohol	Z
Dialkyl(C10-C14) benzenes, see Alkyl(C9+) benzenes.	
Dialkyl(C8-C9) diphenylamines	Z
Dialkyl(C7-C13) phthalates	X
Including:	
Diisodecyl phthalate.	
Diisononyl phthalate.	
Dinonyl phthalate.	
Ditridecyl phthalate.	
Diundecyl phthalate.	
Dibutyl carbinol, see Nonyl alcohol (all isomers).	
Dibutyl hydrogen phosphonate*	Y
2,6-Di-ter*t*-butylphenol*	X
Dibutyl phthalate*	X
ortho-Dibutyl phthalate, see Dibutyl phthalate.	
Dibutyl terephthalate*	Y
Dicyclopentadiene, see 1,3-Cyclopentadiene dimer (molten).	
Diesel oil	I
Diethylbenzene	Y
Diethylene glycol	Z
Diethylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Diethylene glycol butyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate.	
Diethylene glycol diethyl ether	Z
Diethylene glycol ethyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Diethylene glycol ethyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate.	
Diethylene glycol n-hexyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Diethylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Diethylene glycol methyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate.	
Diethylene glycol phenyl ether	#
Diethylene glycol phthalate	Y
Diethylene glycol propyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Di-(2-ethylhexyl)adipate	Y

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Di-(2-ethylhexyl)phthalate, see Dioctyl phthalate.	
Diethyl phthalate	Y
Diglycidyl ether of bisphenol A	X
Diglycidyl ether of bisphenol F*	Y
Diheptyl phthalate	Y
Di-n-hexyl adipate*	X
Dihexyl phthalate	Y
Diisobutyl carbinol, see Nonyl alcohol (all isomers).	
Diisobutylene	Y
Diisobutyl ketone	Y
Diisobutyl phthalate	X
Diisodecyl phthalate, see Dialkyl(C7-C13) phthalates.	
Diisononyl adipate	Y
Diisononyl phthalate, see Dialkyl(C7-C13) phthalates.	
Diisooctyl phthalate	Y
Diisopropylbenzene (*all isomers*)	X
Diisopropylnaphthalene	Y
Dimethyl adipate	X
Dimethylbenzene, see Xylenes.	
Dimethyl glutarate	Y
Dimethyl octanoic acid*	Y
Dimethyl phthalate	Y
Dimethylpolysiloxane	Y
2,2-Dimethylpropane-1,3-diol (molten or solution)	Z
Dimethyl succinate	Y
Dinonyl phthalate	Y
Dioctyl phthalate	X
Dipentene	Y
Diphenyl	X
Diphenylamine (molten)*	Y
Diphenylamines, alkylated*	Y
Diphenyl/Diphenyl ether mixtures	X
Diphenyl ether	X
Diphenyl ether/Diphenyl phenyl ether mixture	X
Diphenylol propane-epichlorohydrin resins*	X
Dipropylene glycol	Z
Dipropylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Dipropylene glycol dibenzoate	#
Dipropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Dithiocarbamate ester (C7-C35)*	X
Distillates:	
Flashed feed stocks	I
Straight run	I
Diundecyl phthalate	Y
Dodecane (all isomers)	Y
Dodecanol, see Dodecyl alcohol.	
Dodecene (all isomers)	X
Dodecyl alcohol	Y
Dodecyl benzene, see Alkyl (C9+) benzenes.	
Dodecyl hydroxypropyl sulfide	X
Dodecyl phenol	X
Dodecyl xylene	Y
Drilling brines (containing zinc salts) (if flammable or combustible)*	X
Drilling brines, including: Calcium bromide solution, calcium chloride solution and sodium chloride solution (if flammable or combustible)*	Z
Drilling mud (low toxicity) (if flammable or combustible)	#
ETBE, see Ethyl tert-butyl ether.	
2-Ethoxyethyl acetate	Y
Ethoxylated alkyloxy alkyl amine, see Ethoxylated long-chain (C16+) alkyloxyalkylamine.	
Ethoxy triglycol (crude)	#
Ethyl acetate	Z
Ethyl acetoacetate	Z
Ethyl alcohol	Z
Ethyl amyl ketone	Y
Ethylbenzene	Y
Ethyl butanol	#
Ethyl tert-butyl ether	Y
Ethyl butyrate	Y

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Ethyl cyclohexane	Y
S-Ethyl dipropylthiocarbamate *	Y
Ethylene carbonate	Z
Ethylene glycol	Y
Ethylene glycol acetate	Y
Ethylene glycol butyl ether acetate	Y
Ethylene glycol diacetate	Y
Ethylene glycol dibutyl ether	#
Ethylene glycol ethyl ether acetate, see 2-Ethoxyethyl acetate.	
Ethylene glycol methyl butyl ether	#
Ethylene glycol methyl ether acetate	Y
Ethylene glycol phenyl ether	Z
Ethylene glycol phenyl ether/Diethylene glycol phenyl ether mixture	Z
Ethyl-3-ethoxypropionate	Y
2-Ethylhexaldehyde, see Octyl aldehydes.	
2-Ethylhexanoic acid	Y
Ethylhexoic acid, see 2-Ethylhexanoic acid.	
2-Ethylhexanol, see Octanol (all isomers).	
Ethyl hexyl phthalate	#
2-Ethyl-2-(hydroxymethyl) propane-1,3-diol, (C8-C10) ester	Y
Ethyl propionate	Y
Ethyl toluene	Y
Fatty acid (saturated, C13+)	Y
Fatty acids, (C16+) *	Y
Fatty acids, essentially linear (C6-C18) 2-ethylhexyl ester *	Y
Fish acid oil	#
Formamide	Y
Furfuryl alcohol	Y
dagger; Gas oil, cracked	I
Gas oil, high pour	I
Gas oil, low pour	I
Gas oil, low sulfur	I
Gasoline blending stocks:	
Alkylates	I
dagger; Reformates	I
Gasolines:	
dagger; Automotive (*containing not over 4.23 grams lead per gallon*)	I
dagger; Aviation (*containing not over 4.86 grams lead per gallon*)	I
Casinghead (*natural*)	I
Polymer	I
dagger; Straight run	I
Gasoline (Natural gas condensate)	I
Glycerine	Z
Glycerine (83%), Dioxanedimethanol (17%) mixture	#
Glycerol, see Glycerine.	
Glycerol ethoxylated *	OS
Glycerol monooleate	Y
Glycerol polyalkoxylate	#
Glycerol, propoxylated and ethoxylated *	Z
Glycerol/sucrose blend propoxylated and ethoxylated *	Z
Glyceryl triacetate	Z
Glycidyl ester of tridecyl acetic acid, see Glycidyl ester of C10 trialkylacetic acid.	
Glycidyl ester of versatic acid, see Glycidyl ester of C10 trialkylacetic acid.	
Glycidyl ester of C10 trialkylacetic acid	Y
Glycol diacetate, see Ethylene glycol diacetate.	
Glycol triacetate, see Glyceryl triacetate.	
Glyoxal solution (40% or less)	Y
Glyphosate solution (not containing surfactant)	Y
Groundnut acid oil	#
Groundnut oil *	Y
Hazelnut oil	#
Heartcut distillate	I
Heptadecane, see n-Alkanes (C10+).	
Heptane (all isomers)	X
Heptanoic acid, see n-Heptanoic acid.	
n-Heptanoic acid *	Z
Heptanol (all isomers)	Y
Heptene (all isomers)	Y

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Heptyl acetate	Y
Herbicide (C15H22NO2Cl), see N-(2-Methoxy-1-methyl ethyl)-2-ethyl-6-methylchloroacetanilide.	
Hexadecanol, see Alcohol (C 13+).	
1-Hexadecylnaphthalene/1,4-Bis(hexadecyl)naphthalene mixture	Y
Hexaethylene glycol, see Polyethylene glycol.	
Hexamethylene glycol	Z
Hexamethylenetetramine solutions	Z
Hexane (all isomers)	Y
1,6-Hexanediol, distillation overheads *	Y
Hexanoic acid	Y
Hexanol	Y
Hexene (all isomers)	Y
Hexyl acetate	Y
Hexylene glycol	Z
Hydrogenated starch hydrolysate *	OS
2-Hydroxy-4-(methylthio)butanoic acid	Z
Hydroxy terminated polybutadiene, see Polybutadiene, hydroxy terminated.	
Illipe oil *	Y
Isoamyl alcohol *	Z
Isobutyl alcohol *	Z
Isobutyl formate *	Z
Isobutyl methacrylate *	Z
Isopropyl acetate *	Z
Isopropyl alcohol*	Z
Isopropylcyclohexane*	Y
Jatropha oil*	Y
Jet fuels:	
dagger; JP-4	I
JP-5 (*kerosene, heavy*)	I
JP-8	I
Kerosene	I
Lactic acid	Z
Lanolin oil	#
Lard acid oil	#
Latex: Carboxylated styrene-Butadiene copolymer; Styrene-Butadiene rubber*	Z
Lauric acid*	X
Lecithin	OS
Long-chain alkaryl polyether (C11-C20)	Y
Long-chain alkaryl sulfonic acid (C16-C60)	Y
Long-chain alkylphenate/Phenol sulfide mixture	Y
Lubricating oil	I
L-Lysine solution (60% or less) *	Z
Magnesium long-chain alkaryl sulfonate (C11-C50)	Y
Magnesium long-chain alkyl phenate sulfide (C8-C20)	#
Magnesium long-chain alkyl salicylate (C11+)	Y
Magnesium nonyl phenol sulfide, see Magnesium long-chain alkyl phenate sulfide (C8-C20).	
Mango kernel oil *	Y
2-Mercaptobenzothiazol (*in liquid mixtures*)	#
3-Methoxy-1-butanol	Z
3-Methoxybutyl acetate	Y
1-Methoxy-2-propyl acetate	#
N-(2-Methoxy-1-methyl ethyl)-2-ethyl-6-methylchloroacetanilide *	X
Methoxy triglycol, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Methyl acetate	Z
Methyl acetoacetate	Z
Methyl alcohol	Y
Methylamyl acetate	Y
Methylamyl alcohol	Z
Methyl amyl ketone	Z
Methyl butanol, see the amyl alcohols.	
Methylbutenol	Y
Methyl tert-butyl ether	Z
Methyl butyl ketone	Y
Methylbutynol *	Z
Methyl butyrate	Y
Methylcyclohexane *	Y
Methylcyclopentadiene dimmer *	Y
Methyl 3-(3,5 di-tert-butyl-4-hydroxyphenyl)propionate crude melt *	[Y]

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Methyl ethyl ketone	Z
N-Methylglucamine solution (70% or less)	Z
Methyl heptyl ketone	#
Methyl isobutyl carbinol, see Methyl amyl alcohol.	
Methyl isobutyl ketone	Z
3-Methyl-3-methoxybutanol	Z
3-Methyl-3-methoxybutyl acetate	#
Methyl pentene, see Hexene (all isomers).	
Methyl tert-pentyl ether, see tert-Amyl methyl ether.	
2-Methyl-1,3-propanediol	Z
Methyl propyl ketone	Z
N-Methyl-2-pyrrolidone	Y
Methyl salicylate *	Y
Metolachlor, see N-(2-Methoxy-1-methylethyl)-2-ethyl-6-methylchloroacetanilide.	
Mineral oil	I
Mineral seal oil	I
Mineral spirits	I
Mixed acid oil	#
Mixed general acid oil	#
Mixed hard acid oil	#
Mixed soft acid oil	#
Motor oil	I
MTBE, see Methyl tert-butyl ether.	
Myrcene	X
Naphtha:	
dagger; Aromatic (*having less than 10% Benzene*)	I
Heavy	I
Paraffinic	I
dagger; Petroleum	I
dagger; Solvent	I
Stoddard Solvent	I
dagger; Varnish makers' and painters' (75%)	I
Naphthenic acid	#
Neatsfoot oil	#
Neodecanoic acid *	Y
Nitrilotriacetic acid, trisodium salt solution *	Y
Nonane (all isomers)	X
Nonanoic acid (all isomers)	Y
Nonanoic, Tridecanoic acid mixture	#
Nonene (all isomers)	Y
Nonyl acetate	#
Nonyl alcohol (all isomers)	Y
Nonyl methacrylate monomer	Y
Nonylphenol	X
Nonylphenol poly(4+)ethoxylate	Y
Nonyl phenol sulfide (90% or less), see Alkyl (C8-C40) phenol sulfide.	
Noxious liquid, F, (2) n.o.s. (''trade name'' contains ''principle components'') ST 1, Cat X	X
Noxious liquid, F, (4) n.o.s. (''trade name'' contains ''principle components'') ST 2, Cat X	X
Noxious liquid, F, (6) n.o.s. (''trade name'' contains ''principle components'') ST 2, Cat Y	Y
Noxious liquid, F, (8) n.o.s. (''trade name'' contains ''principle components'') ST 3, Cat Y	Y
Noxious liquid, F, (10) n.o.s. (''trade name'' contains ''principle components'') ST 3, Cat Z	Z
Noxious liquid, (11) n.o.s. (''trade name'' contains ''principle components'') Cat Z (if flammable or combustible)	Z
Non noxious liquid, (12) n.o.s. (''trade name'' contains ''principle components'') Cat OS (if flammable or combustible)	OS
Nutmeg butter oil	#
Octadecanol, see Alcohols (C13+).	
Octadecene, see the olefin or alpha-olefin entries.	
Octadeceneamide solution	#
Octamethylcyclotetrasiloxane*	Y
Octane (all isomers)	X
Octanoic acid (all isomers)	Y
Octanol (all isomers)	Y
Octene (all isomers)	Y
Octyl acetate, see n-Octyl acetate.	
n-Octyl acetate *	Y
Octyl alcohol (iso-, n-), see Octanol (all isomers).	
Octyl aldehydes	Y
Octyl decyl adipate	Y

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Octyl phthalate, see Dioctyl phthalate.	
Oil, edible: Poppy seed	I
Oil, fuel:	
No. 1 (*kerosene*)	I
No. 1-D	I
No. 2	I
No. 2-D	I
No. 4	I
No. 5	I
No. 6	I
Oiticica oil	#
alpha-Olefins (C6-C18) mixtures	X
alpha-Olefins (C13-C18) mixtures, see alpha-Olefins (C6-C18).	
Olefins (C13+, all isomers)	Y
Olefin-Alkyl ester copolymer (molecular weight 2000+)	Y
Olefin mixtures (C5-C7)	Y
Olefin mixtures (C5-C15)	X
Oleic acid	Y
Oleyl alcohol, see Alcohols (C13+).	
Orange juice (concentrated) *	OS
Palm kernel acid oil, methyl ester	#
Palm kernel olein *	Y
Palm kernel stearin *	Y
Palm mid-fraction *	Y
Palm oil fatty acid methyl ester *	Y
Palm olein *	Y
Palm stearin *	Y
Paraffin wax	Y
n-Paraffins (C10-C20), see n-Alkanes (C10+).	
Peanut oil, see Groundnut oil.	
Peel oil (oranges and lemons)	#
Penetrating oil	I
Pentadecanol, see Alcohols (C13+).	
Pentaethylene glycol, see Polyethylene glycols.	
Pentane (all isomers)	Y
Pentanoic acid	Y
Pentene (all isomers)	Y
n-Pentyl propionate	Y
Perilla oil	#
Petrolatum	Y
1-Phenyl-1-xylyl ethane	Y
Phosphate esters, alkyl (C12-C14) amine	Y
Phosphosulfurized bicyclic terpene	#
Pilchard oil	#
Pinene, see the alpha- or beta- isomers.	
alpha-Pinene	X
beta-Pinene	X
Pine oil *	X
Polyalkyl(C18-C22) acrylate in xylene *	Y
Polyalkylene glycols, polyalkylene glycol monoalkyl ethers mixtures	#
Polyalkylalkenaminesuccinimide, molybdenum oxysulfide *	Y
Polyalkylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether	Z
Including:	
Diethylene glycol butyl ether.	
Diethylene glycol ethyl ether.	
Diethylene glycol n-hexyl ether.	
Diethylene glycol methyl ether.	
Diethylene glycol n-propyl ether.	
Dipropylene glycol butyl ether.	
Dipropylene glycol methyl ether.	
Polypropylene glycol methyl ether.	
Triethylene glycol butyl ether.	
Triethylene glycol ethyl ether.	
Triethylene glycol methyl ether.	
Tripropylene glycol methyl ether.	
Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether acetate	Y
Including:	

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Diethylene glycol butyl ether acetate.	
Diethylene glycol ethyl ether acetate.	
Diethylene glycol methyl ether acetate.	
Polyalkylene oxide polyol	#
Polyalkyl(C10-C20) methacrylate	Y
Polyalkyl(C10-C18) methacrylate/ethylene-propylene copolymer mixture*	Y
Polybutadiene, hydroxy terminated	#
Polybutene	Y
Polybutenyl succinimide	Y
Poly(2+)cyclic aromatics*	X
Polydimethylsiloxane, see Dimethylpolysiloxane.	
Polyether (molecular weight 1350+)	Y
Polyether polyols	#
Polyethylene glycol	Z
Polyethylene glycol dimethyl ether	Z
Poly(ethylene glycol) methylbutenyl ether (MW≤1000)*	Z
Polyethylene glycol monoalkyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Polyglycerine, sodium salt solution (containing less than 3% sodium hydroxide)	Z
Polyglycerol	#
Polyisobutenamine in aliphatic (C10-C14) solvent*	Y
Polyisobutenyl anhydride adduct	Z
Poly(4+)isobutylene	Y
Polymerized esters	#
Polyolefin amide alkeneamine (C17+)	Y
Polyolefin amide alkeneamine (C28+), see Polyolefin amide alkeneamine (C17+).	
Polyolefin amide alkeneamine borate (C28-C250)	Y
Polyolefin amide alkeneamine/Molybdenum oxysulfide mixture	#
Polyolefin amide alkeneamine polyol	Y
Polyolefinamine (C28-C250)*	Y
Polyolefinamine in alkyl (C2-C4) benzenes*	Y
Polyolefinamine in aromatic solvent*	Y
Polyolefin aminoester salts (molecular weight 2000+)*	Y
Polyolefin anhydride	Y
Polyolefin ester (C28-C250)	Y
Polyolefin phenolic amine (C28-C250)	Y
Polyolefin phosphorosulfide, barium derivative (C28-C250)	Y
Poly(20)oxyethylene sorbitan monooleate	Y
Poly(5+)propylene	Y
Polypropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Polysiloxane	Y
Poppy oil	#
Potassium oleate	Y
Potassium salt of polyolefin acid	#
n-Propoxypropanol, see Propylene glycol monoalkyl ether.	
n-Propyl acetate	Y
n-Propyl alcohol	Y
iso-Propylbenzene, see Propylbenzene (all isomers).	
n-Propylbenzene, see Propylbenzene (all isomers).	
Propylbenzene (all isomers)	Y
Propylene-Butylene copolymer	#
Propylene carbonate	Z
Propylene dimer	#
Propylene glycol	Z
Propylene glycol n-butyl ether, see Propylene glycol monoalkyl ether.	
Propylene glycol ethyl ether, see Propylene glycol monoalkyl ether.	
Propylene glycol methyl ether, see Propylene glycol monoalkyl ether.	
Propylene glycol methyl ether acetate	Z
Propylene glycol monoalkyl ether	Z
Including:	
n-Propoxypropanol.	
Propylene glycol n-butyl ether.	
Propylene glycol ethyl ether.	
Propylene glycol methyl ether.	
Propylene glycol propyl ether.	
Propylene glycol phenyl ether	Z
Propylene glycol propyl ether, see Propylene glycol monoalkyl ether.	
Propylene polymer (*in liquid mixtures*)	#
Propylene tetramer	X

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Propylene trimer	Y
Pseudocumene, see Trimethylbenzenes.	
Raisin seed oil	#
Rapeseed acid oil	#
Rape seed oil fatty acid methyl esters*	Y
Residual oil	I
Road oil	I
Rosin*	Y
Rosin oil	#
Rum, see Alcoholic beverages, n.o.s.	
Safflower acid oil	#
Salad oil	#
Seal oil	I
Sesame oil	#
Soapstock oil	#
Sodium acetate, Glycol, Water mixture (containing 1% or less, Sodium hydroxide) (if flammable or combustible)	#
Sodium benzoate	Z
Sodium long-chain alkyl salicylate (C13+)	#
Sodium thiocyanate solution (56% or less)*	Y
Soya acid oil	#
Soyabean fatty acid methyl ester	#
Soyabean oil (epoxidized)	#
Spindle oil	I
Stearic acid, see Fatty acid (saturated, C13+).	
Stearyl alcohol, see Alcohols (C13+).	
Sulfohydrocarbon (C3-C88)	Y
Sulfohydrocarbon, long-chain (C18+) alkylamine	#
Sulfolane	Y
Sulfurized fat (C14-C20)	Z
Sulfurized polyolefinamide alkene(C28-C250) amine	Z
Sunflower oil, see Sunflower seed acid oil.	
Sunflower seed acid oil	#
Tall oil, distilled*	Y
Tall oil, fatty acid	#
Tallow	Y
Tallow alcohol, see Alcohols (C13+).	
Tallow alkyl nitrile	#
Tallow fatty acid	Y
TAME, see tert-Amyl methyl ether.	
Tetradecanol, see Alcohols (C13+).	
Tetradecene, see alpha-Olefins (C6-C18) mixtures, Olefin mixtures (C5-C15), or Olefins (C13+, all isomers).	
Tetradecylbenzene, see Alkyl(C9+)benzenes.	
Tetraethylene glycol	Z
Tetraethyl silicate monomer/oligomer (20% in ethanol)*	Z
Tetrahydronaphthalene	Y
Tetramethylbenzene (all isomers)*	X
Tetrapropylbenzene, see Alkyl(C9+)benzenes.	
Toluene	Y
Transformer oil	I
Triarylphosphate, see Triisopropylated phenyl phosphates.	
Tributyl phosphate	Y
Tridecane	Y
Tridecanoic acid	Y
Tridecanol, see Alcohols (C13+).	
Tridecene, see Olefins (C13+, all isomers).	
Tridecyl acetate	Y
Tridecylbenzene, see Alkyl(C9+)benzenes.	
Triethylbenzene	X
Triethylene glycol	Z
Triethylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Triethylene glycol butyl ether mixture	#
Triethylene glycol di-(2-ethylbutyrate)	#
Triethylene glycol ether mixture	#
Triethylene glycol ethyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Triethylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Triethyl phosphate	Z
Triisooctyl trimellitate	#
Triisopropanolamine	Z

TABLE 30.25–1—LIST OF FLAMMABLE AND COMBUSTIBLE BULK LIQUID CARGOES—Continued

[See NOTES at the end of the Table for explanation of symbols and terms used. See Table 2, 46 CFR part 153, for additional cargoes that may be carried by tank barge.]

Cargo name	IMO Annex II pollution category
Triisopropylated phenyl phosphates	X
Trimethylbenzene (all isomers)	X
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	Y
2,2,4-Trimethyl-1,3-pentanediol-1-isobutyrate*	Y
2,2,4-Trimethyl-3-pentanol-1-isobutyrate	#
Tripropylene, see Propylene trimer.	
Tripropylene glycol	Z
Tripropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether.	
Trixylenyl phosphate, see Trixylyl phosphate.	
Trixylyl phosphate	X
Tucum oil	#
Turbine oil	I
Turpentine	X
dagger; *Turpentine substitute, see* White spirit (low (15–20%) aromatic).	
Undecanoic acid	Y
1-Undecanol, see Undecyl alcohol.	
Undecene, see 1-Undecene.	
1-Undecene	X
1-Undecyl alcohol, see Undecyl alcohol.	
Undecyl alcohol	X
Undecylbenzene, see Alkyl(C9+)benzenes.	
Vegetable oils, n.o.s	#
Vegetable protein solution (hydrolyzed) (if flammable or combustible)*	OS
Walnut oil	#
Waxes	Y
dagger; *White spirit, see* White spirit (low (15–20%) aromatic).	
dagger; White spirit, low (15–20%) aromatic	Y
Wine, see Alcoholic beverages, n.o.s.	
Xylenes	Y
Xylenes/Ethylbenzene (10% or more) mixture*	Y
Zinc alkaryl dithiophosphate (C7-C16)	Y
Zinc alkenyl carboxamide	Y
Zinc alkyl dithiophosphate (C3-C14)	Y

NOTES:
"#" = NLS status is undetermined—see 46 CFR 153.900(c) for shipping on an oceangoing vessel.
"dagger;" = Marine occupational safety and health regulations for benzene, 46 CFR part 197, subpart C, may apply to this cargo.
"[ ]" = Provisional categorization to which the United States is party.
"@" = The NLS category has been assigned by the U.S. Coast Guard, in absence of one assigned by the IMO. The category is based upon a GESAMP Hazard Profile or by analogy to a closely related product having an NLS assigned.
"*" From the March 2012 Annex to the 2007 edition of the IBC Code.
"Cat" = Pollution category.
"F" = Flammable (flash point less than or equal to 60 degrees C (140 degrees F) NLS.
"I" = An "oil" under MARPOL Annex I.
Italicized words are not part of the cargo name but may be used in addition to the cargo name.
"n.o.s." = Not otherwise specified.
"OS" = An "other substance" considered at present to present no harm to marine resources, human health, amenities, or other legitimate uses of the sea when discharged into the sea from tank cleaning or deballasting operations.
"see" = A redirection to the preferred, alternative cargo name—for example in "*Diethyl ether, see* Ethyl ether," the pollution category for "diethyl ether" will be found under the preferred, alternative cargo name "ethyl ether."
"ST" = Ship type.
"X," "Y," and "Z" = NLS categories under MARPOL Annex II.

§ 30.25–3 Benzene.

The provisions contained in 46 CFR part 197, subpart C, apply to liquid cargoes containing 0.5% or more benzene by volume.

[CGD 88–040, 56 FR 65006, Dec. 13, 1991]

Subpart 30.30—Interim Procedures for Evaluating Vessel Personnel Licensing and Certification Programs of Foreign Countries

SOURCE: CGD 79–081a, 45 FR 23427, Apr. 7, 1980, unless otherwise noted.