

§ 30.10-71 Tankerman—TB/ALL.

The following ratings are established in part 13 of this chapter. The terms for the ratings identify persons holding valid merchant mariners' documents for service in the ratings issued under that part:

- (a) Tankerman-PIC.
- (b) Tankerman-PIC (Barge).
- (c) Restricted Tankerman-PIC.
- (d) Restricted Tankerman-PIC (Barge).
- (e) Tankerman-Assistant.
- (f) Tankerman-Engineer.

[CGD 79-116, 60 FR 17155, Apr. 4, 1995]

Subpart 30.15—Equivalentents

§ 30.15-1 Conditions under which equivalentents may be used—TB/ALL.

(a) Where in this subchapter it is provided that a particular fitting, material, appliance, apparatus, or equipment, or type thereof, shall be fitted or 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

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

Cargo name	IMO Annex II Pollution Category
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), <i>see</i> Alkyl(C8–C40) phenol sulfide	
Alkyl(C8–C40) phenol sulfide	D
Alkyl(C9–C15) phenyl propoxylate	III
<i>n</i> -Alkyl phthalates, <i>see</i> individual phthalates	
Alkyl sulfonic acid ester of phenol	III
Aminoethyldiethanolamine, Aminoethylethanolamine solution	III
Amyl acetate (all isomers)	C
Amyl alcohol (iso-, <i>n</i> -, sec-, primary)	D
Amyl alcohol (tert-)	III
<i>Amylene</i> , <i>see</i> Pentene (all isomers)	C
tert-Amyl methyl ether (Methyl tert-pentyl ether)	C
<i>Amyl methyl ketone</i> , <i>see</i> Methyl amyl ketone ..	D
Animal and Fish oils, n.o.s.	D
(<i>see also</i> Oil, edible, or Oil, misc.)	
<i>Including:</i>	
<i>Cod liver oil</i>	
<i>Lanolin</i>	
<i>Neatsfoot oil</i>	
<i>Pilchard oil</i>	
<i>Sperm oil</i>	
Animal and Fish acid oils and distillates, n.o.s.	D
<i>Including:</i>	
<i>Animal acid oil</i>	
<i>Fish acid oil</i>	
<i>Lard acid oil</i>	
<i>Mixed acid oil</i>	
<i>Mixed general acid oil</i>	
<i>Mixed hard acid oil</i>	
<i>Mixed soft acid oil</i>	
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
(<i>containing Poly(2-8)alkylene(C2–C3) glycols, Polyalkylene(C2–C10) glycol monoalkyl(C1–C4) ethers, and their borate esters</i>)	
Butane	LFG
<i>Butene</i> , <i>see</i> Butylene.	
Butene oligomer	B
Butyl acetate (all isomers)	C
Butyl alcohol (iso-, <i>n</i> -, sec-, tert-), <i>see</i> Butyl alcohol (all isomers)	
Butyl alcohol (all isomers)	III
Butyl benzyl phthalate	A
Butylene	LFG
Butylene glycol	D
<i>1,3-Butylene glycol</i> , <i>see</i> Butylene glycol	
<i>Butylene polyglycol</i> , <i>see</i> Butylene glycol	
iso-Butyl formate	D
<i>n</i> -Butyl formate	@D
Butyl heptyl ketone	[C]
<i>Butyl methyl ketone</i> , <i>see</i> Methyl butyl ketone ..	
<i>n</i> -Butyl propionate	C

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

Cargo name	IMO Annex II Pollution Category
Butyl stearate	III
Butyl toluene	@A
gamma-Butyrolactone	D
Calcium alkyl(C9)phenol sulfide, polyolefin phosphorosulfide mixture	A
<i>Calcium alkyl salicylate</i> , <i>see</i> Calcium long chain alkyl salicylate (C13+)	
Calcium long chain alkaryl sulfonate (C11–C50)	D
<i>Calcium long chain alkyl phenate (C8–C40)</i> , <i>see</i> 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
<i>Cetyl alcohol (hexadecanol)</i> , <i>see</i> Alcohols (C13+)	
Cetyl-Stearyl alcohol), <i>see</i> Alcohols (C13+)	III
† Coal tar	A
Copper salt of long chain (C17+) alkanolic acid <i>Cumene (isopropylbenzene)</i> , <i>see</i> Propylbenzene (all isomers)	[D]
Cyclohexane	C
Cyclohexanol	D
1,3-Cyclopentadiene dimer (molten)	B
<i>p</i> -Cymene	C
Decahydronaphthalene	D
iso-Decaldehyde	@C
<i>n</i> -Decaldehyde	@B
<i>Decane</i> , <i>see</i> <i>n</i> -Alkanes (C10+)	
Decene	B
Decyl acetate	B
Decyl alcohol (all isomers)	B
<i>n</i> -Decylbenzene, <i>see</i> Alkyl(C9+)benzenes	III
Detergent alkylate	D
Diacetone alcohol	D
Dialkyl(C10–C14) benzenes, <i>see</i> Alkyl(C9+)benzenes	III
Dialkyl(C8–C9) diphenylamines	D
Dialkyl(C7–C13) phthalates	D
<i>Including:</i>	
<i>Diisodecyl phthalate</i>	
<i>Diisononyl phthalate</i>	
<i>Dinonyl phthalate</i>	
<i>Ditridecyl phthalate</i>	
<i>Diundecyl phthalate</i>	
<i>Dibutyl carbinol</i> , <i>see</i> Nonyl alcohol (all isomers)	
<i>ortho</i> -Dibutyl phthalate	A
Dicyclopentadiene, <i>see</i> 1,3-Cyclopentadiene dimer (molten)	B
Diethylbenzene	A
Diethylene glycol	D
<i>Diethylene glycol butyl ether</i> , <i>see</i> Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	
<i>Diethylene glycol butyl ether acetate</i> , <i>see</i> Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether acetate	
Diethylene glycol dibutyl ether	D
Diethylene glycol diethyl ether	III
<i>Diethylene glycol ethyl ether</i> , <i>see</i> Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether	

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

Cargo name	IMO Annex II Pollution Category
<i>Diethylene glycol ethyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate</i>	
<i>Diethylene glycol n-hexyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether</i>	
<i>Diethylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether</i>	
<i>Diethylene glycol methyl ether acetate, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate</i>	
Diethylene glycol phenyl ether	#
Diethylene glycol phthalate	D
<i>Diethylene glycol propyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether</i>	
Di-(2-ethylhexyl)adipate	D
<i>Di-(2-ethylhexyl)phthalate, see Diocetyl phthalates</i>	
Diethyl phthalate	C
Diglycidyl ether of Bisphenol A	B
Dihexyl phthalate	III
Dihexyl phthalate	III
Diisobutylcarbinol, <i>see</i> Nonyl alcohol (all isomers)	C
Diisobutylene	B
Diisobutyl ketone	D
Diisobutyl phthalate	B
<i>Diisodecyl phthalate, see Dialkyl(C7-C13) phthalates</i>	
Diisononyl adipate	D
<i>Diisononyl phthalate, see Dialkyl(C7-C13) phthalates</i>	
Diisooctyl phthalate	III
Diisopropylbenzene (<i>all isomers</i>)	A
Diisopropyl naphthalene	D
Dimethyl adipate	B
<i>Dimethylbenzene, see Xylenes</i>	
Dimethyl glutarate	C
Dimethyl phthalate	C
Dimethylpolysiloxane, <i>see</i> Polydimethylsiloxane	
2,2-Dimethylpropane-1,3-diol (molten or solution)	III
Dimethyl succinate	D
<i>Dinonyl phthalate, see Dialkyl(C7-C13) phthalates</i>	
Diocetyl phthalate	III
Dipentene	C
Diphenyl	A
Diphenyl, Diphenyl ether mixture	A
Diphenyl ether	A
Diphenyl ether, Biphenyl phenyl ether mixture	A
Dipropylene glycol	III
<i>Dipropylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether</i>	
Dipropylene glycol dibenzoate	[D]
<i>Dipropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether</i>	
Distillates:	
Flashed feed stocks	I
Straight run	I
Ditridecyl adipate	III
<i>Ditridecyl phthalate, see Dialkyl(C7-C13) phthalates</i>	
<i>Diundecyl phthalate, see Dialkyl(C7-C13) phthalates</i>	
Dodecane (all isomers), <i>see also</i> n-Alkanes (C10+)	III
Dodecanol	B

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

Cargo name	IMO Annex II Pollution Category
Dodecene (all isomers)	B
Dodecyl alcohol, <i>see</i> Dodecanol	
Dodecylbenzene, <i>see</i> Alkyl(C9+)benzenes	III
Dodecyl hydroxypropyl sulfide	A
Dodecyl phenol	A
Dodecyl xylene	III
Drilling mud (low toxicity) (<i>if flammable or combustible</i>)	[III]
Ethane	LFG
2-Ethoxyethyl acetate	C
<i>Ethoxylated alkyloxy alkyl amine, see Ethoxylated long chain (C16+) alkyloxyalkanamine</i>	
Ethoxylated long chain (C16+) alkyloxyalkanamine	D
Ethoxy triglycol (<i>crude</i>)	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]
<i>Ethylene glycol ethyl ether acetate, see 2-Ethoxyethyl acetate</i>	
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 (<i>in liquid mixtures</i>)	[III]
Ethyl-3-ethoxypropionate	C
<i>2-Ethylhexaldehyde, see</i> Octyl aldehydes	
<i>2-Ethylhexanoic acid, see</i> Octanoic acid (all isomers)	
<i>2-Ethylhexanol, see</i> Octanol (all isomers)	
<i>Ethylhexoic acid, see</i> 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+), <i>see</i> 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 (<i>containing not over 4.23 grams lead per gallon</i>)	I
† Aviation (<i>containing not over 4.86 grams lead per gallon</i>)	I
Casinghead (<i>natural</i>)	I
Polymer	I

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

Cargo name	IMO Annex II Pollution Category
† Straight run	I
Glycerine	III
Glycerine (83%), Dioxanedimethanol (17%) mixture	D
<i>Glycerol, see Glycerine</i>	
Glycerol monooleate	D
Glycerol polyalkoxylate	III
Glyceryl triacetate	III
<i>Glycidyl ester of tertiary carboxylic acid, see Glycidyl ester of tridecyl acetic acid</i>	
Glycidyl ester of tridecyl acetic acid	B
Glycidyl ester of C10 trialkylacetic acid, <i>see Glycidyl ester of tridecyl acetic acid</i>	B
Glycidyl ester of tridecyl acetic acid	B
<i>Glycidyl ester of versatic acid, see Glycidyl ester of tridecyl acetic acid</i>	
<i>Glycol diacetate, see Ethylene glycol diacetate</i>	
<i>Glycol triacetate, see Glyceryl triacetate</i>	
Glyoxal solution (40% or less)	D
Glyphosate solution (not containing surfactant)	D
<i>Heptadecane, see n-Alkanes (C10+)</i>	
Heptane (all isomers), <i>see Alkanes (C6-C9)</i> ..	C
Heptanoic acid	D
Heptanol (all isomers)	C
Heptene (all isomers)	C
Heptyl acetate	B
<i>Herbicide (C15 -H22 -NO2 -Cl), see Metolachlor</i>	
1-Hexadecyl-naphthalene, 1,4-bis-(Hexadecyl)naphthalene mixture	III
<i>Hexaethylene glycol, see Polyethylene glycol</i> ..	
Hexamethylene glycol	III
Hexamethylenetetramine solutions	D
Hexane (all isomers), <i>see Alkanes (C6-C9)</i>	C
Hexanoic acid	D
Hexanol	D
Hexene (all isomers)	C
Hexyl acetate	B
Hexylene glycol	III
<i>Hog grease, see Lard</i>	
2-Hydroxy-4-(methylthio)butanoic acid	C
Hydroxy terminated polybutadiene, <i>see Polybutadiene, hydroxy terminated</i>	
Isophorone	D
Jet fuels:	
† JP-4	I
JP-5 (<i>kerosene, heavy</i>)	I
JP-8	@I
Kerosene	I
Lactic acid	D
Lard	III
Latex (ammonia (1% or less) inhibited)	D
Latex, liquid synthetic	III
<i>including:</i>	
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
<i>Magnesium nonyl phenol sulfide, see Magnesium long chain alkyl phenate sulfide (C8-C20)</i>	

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

Cargo name	IMO Annex II Pollution Category
<i>Magnesium sulfonate, see Magnesium long chain alkaryl sulfonate (C11-C50)</i>	
2-Mercaptobenzothiazol (<i>in liquid mixtures</i>)	#
Methane	LFG
3-Methoxy-1-butanol	III
3-Methoxybutyl acetate	D
1-Methoxy-2-propyl acetate	#
<i>Methoxy triglycol (triethylene glycol methyl ether), see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether</i>	
Methyl acetate	III
Methyl acetoacetate	D
Methyl alcohol	D
Methyl amyl acetate	C
Methyl amyl alcohol	C
Methyl amyl ketone	D
<i>Methyl butanol, see the amyl alcohols</i>	
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
<i>Methyl isobutyl carbinol, see Methyl amyl alcohol</i>	
Methyl isobutyl ketone	D
3-Methyl-3-methoxybutanol	III
3-Methyl-3-methoxybutyl acetate	III
Methyl naphthalene	A
<i>Methyl pentene, see Hexene (all isomers)</i>	
Methyl tert-pentyl ether (<i>IMO cargo name</i>) 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 (<i>having less than 10% Benzene</i>)	@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), <i>see Alkanes (C6-C9)</i>	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
<i>Nonyl phenol sulfide (90% or less), see Alkyl phenol sulfide (C8-C40)</i>	
Noxious liquid, N.F., (1) n.o.s. ("trade name" contains "principle components") ST 1, Cat A (<i>if combustible</i>)	A
Noxious liquid, F., (2) n.o.s. ("trade name" contains "principle components") ST 1, Cat A	A

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

Cargo name	IMO Annex II Pollution Category
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
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

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

Cargo name	IMO Annex II Pollution Category
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
Palm oil, fatty acid methyl ester	D
Penetrating	I
Perilla	D
Pilchard	D
Pine	C
Residual	I
Road	I
Rosin	B
Seal	I

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

Cargo name	IMO Annex II Pollution Category
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
<i>Oleyl alcohol (octadeceno), see Alcohols (C13+)</i>	
Palm kernel acid oil, methyl ester	[D]
Palm stearin	D
<i>n-Paraffins (C10-C20), see n-Alkanes (C10+)</i>	
<i>Pentadecanol, see Alcohols (C13+)</i>	
<i>Pentaethylene glycol, see Polyethylene glycols</i>	
Pentaethylenhexamine	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	#
<i>Pinene, see the alpha- or beta- isomers</i>	
alpha-Pinene	A
beta-Pinene	B
Polyalkylene glycols, Polyalkylene glycol monoalkyl ethers mixtures	@D
<i>Polyalkylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether</i>	
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	D
<i>Including:</i>	
<i>Diethylene glycol butyl ether</i>	
<i>Diethylene glycol ethyl ether</i>	
<i>Diethylene glycol n-hexyl ether</i>	
<i>Diethylene glycol methyl ether</i>	
<i>Diethylene glycol n-propyl ether</i>	
<i>Dipropylene glycol butyl ether</i>	
<i>Dipropylene glycol methyl ether</i>	
<i>Polypropylene glycol methyl ether</i>	
<i>Triethylene glycol butyl ether</i>	
<i>Triethylene glycol ethyl ether</i>	
<i>Triethylene glycol methyl ether</i>	
<i>Tripropylene glycol methyl ether</i>	
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	D
<i>Including:</i>	
<i>Diethylene glycol butyl ether acetate</i>	
<i>Diethylene glycol ethyl ether acetate</i>	
<i>Diethylene glycol methyl ether acetate</i>	
Polyalkylene oxide polyol	C
<i>Polycarboxylic ester (C9+), see Ditridecyl adipate.</i>	
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
<i>Polyethylene glycol monoalkyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether</i>	
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
<i>Polypropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether</i>	
Polysiloxane	III
Potassium oleate	C
Potassium salt of polyolefin acid	III
Propane	LFG
<i>n-Propoxypropanol (propylene glycol propyl ether), see Propylene glycol monoalkyl ether</i>	
iso-Propyl acetate	III
n-Propyl acetate	D
iso-Propyl alcohol	III
n-Propyl alcohol	III
<i>iso-Propylbenzene (cumene), see Propylbenzene (all isomers)</i>	
<i>n-Propylbenzene, see Propylbenzene (all isomers)</i>	
Propylbenzene (all isomers)	A
iso-Propylcyclohexane	C
Propylene	LFG
Propylene-butylene copolymer	III
Propylene carbonate	III
Propylene dimer	C
Propylene glycol	III
<i>Propylene glycol n-butyl ether, see Propylene glycol monoalkyl ether</i>	
<i>Propylene glycol ethyl ether, see Propylene glycol monoalkyl ether</i>	
<i>Propylene glycol methyl ether, see Propylene glycol monoalkyl ether</i>	
Propylene glycol methyl ether acetate	D
Propylene glycol monoalkyl ether	D
<i>Including:</i>	
<i>n-Propoxypropanol</i>	
<i>Propylene glycol n-butyl ether</i>	
<i>Propylene glycol ethyl ether</i>	
<i>Propylene glycol methyl ether</i>	
<i>Propylene glycol propyl ether</i>	
Propylene glycol phenyl ether	D

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

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

Cargo name	IMO Annex II Pollution Category
<i>Propylene glycol propyl ether, see Propylene glycol monoalkyl ether</i>	
Propylene polymer (<i>in liquid mixtures</i>)	#
Propylene tetramer	B
Propylene trimer	B
<i>Pseudocumene, see Trimethylbenzenes</i>	
<i>Rum, see Alcoholic beverages, n.o.s.</i>	
Sodium acetate, Glycol, Water mixture (containing 1% or less, Sodium hydroxide) (<i>if flammable or combustible</i>)	#
Sodium acetate solution	D
Sodium benzoate solution	D
Sodium long chain alkyl salicylate (C13+)	[C]
Soyabean oil (epoxidized)	[D]
<i>Stearic acid, see Fatty acid (saturated, C14+)</i>	
Stearyl alcohol (<i>octadecanol</i>)	III
Sulfohydrocarbon (C3–C88)	D
Sulfohydrocarbon, long chain (C18+) alkylamine	B
Sulfolane	D
Sulfurized fat (C14–C20)	D
Sulfurized polyolefinamide alkene(C28–C250)amine	D
Tallow	D
<i>Tallow alcohol, see Alcohols (C13+)</i>	
Tallow fatty acid	D
Tallow alkyl nitrile	#
<i>Tetradecanol, see Alcohols (C13+)</i>	
<i>Tetradecene, see the olefin or alpha-olefin entries</i>	
Tetradecylbenzene, <i>see Alkyl(C9+)benzenes</i> ...	III
Tetraethylene glycol	III
Tetrahydronaphthalene	C
<i>Tetrapropylbenzene, see Alkyl(C9+)benzenes</i>	
Toluene	C
<i>Triarylphosphate, see Triisopropylated phenyl phosphates</i>	
Tributyl phosphate	B
Tricresyl phosphate (less than 1% of the ortho isomer)	A
<i>Tridecane, see n-Alkanes (C10+)</i>	
Tridecanoic acid	B
<i>Tridecanol, see Alcohols (C13+)</i>	
<i>Tridecene, see Olefins (C13+)</i>	
Tridecyl acetate	III
Tridecylbenzene, <i>see Alkyl(C9+)benzenes</i>	III
Triethylbenzene	A
Triethylene glycol	III
<i>Triethylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether</i> ...	
Triethylene glycol butyl ether mixture	#
Triethylene glycol di-(2-ethylbutyrate)	[C]
Triethylene glycol ether mixture	#
<i>Triethylene glycol ethyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether</i> ...	
<i>Triethylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether</i> ...	
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	#
<i>Tripropylene, see Propylene trimer</i>	
Tripropylene glycol	III
<i>Tripropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1–C6) ether</i> ...	

Cargo name	IMO Annex II Pollution Category
Trixylenyl phosphate	A
Trixylyl phosphate, <i>see Trixylenyl phosphate</i> ...	A
Turpentine	B
† <i>Turpentine substitute, see White spirit (low (15–20%) aromatic)</i>	
<i>Undecanol, see 1- Undecyl alcohol</i>	
Undecene	B
1- Undecyl alcohol	B
Undecylbenzene, <i>see Alkyl(C9+)benzenes</i>	III
Vegetable oils, n.o.s. (<i>see also Oil, edible</i>)	D
<i>Including:</i>	
<i>Beechnut oil</i>	
<i>Castor oil</i>	
<i>Cocoa butter</i>	
<i>Coconut oil</i>	
<i>Corn oil</i>	
<i>Cottonseed oil</i>	
<i>Groundnut oil</i>	
<i>Hazelnut oil</i>	
<i>Linseed oil</i>	
<i>Nutmeg butter</i>	
<i>Oiticica oil</i>	
<i>Olive oil</i>	
<i>Palm kernel oil</i>	
<i>Palm oil</i>	
<i>Peel oil (oranges and lemons)</i>	
<i>Perilla oil</i>	
<i>Poppy oil</i>	
<i>Raisin seed oil</i>	
<i>Rapeseed oil</i>	
<i>Rice bran oil</i>	
<i>Safflower oil</i>	
<i>Salad oil</i>	
<i>Sesame oil</i>	
<i>Soya bean oil</i>	
<i>Sunflower seed oil</i>	
<i>Tucum oil</i>	
<i>Tung oil</i>	
<i>Walnut oil</i>	
Vegetable acid oils and distillates, n.o.s.	D
<i>Including:</i>	
<i>Corn acid oil</i>	
<i>Cottonseed acid oil</i>	
<i>Dark mixed acid oil</i>	
<i>Groundnut acid oil</i>	
<i>Mixed acid oil</i>	
<i>Mixed general acid oil</i>	
<i>Mixed hard acid oil</i>	
<i>Mixed soft acid oil</i>	
<i>Rapeseed acid oil</i>	
<i>Safflower acid oil</i>	
<i>Soya acid oil</i>	
<i>Sunflower seed acid oil</i>	
Waxes:	
Candelilla	D
Carnauba	@D
Paraffin	@D
Paraffin	III
† <i>White spirit, see White spirit (low (15–20%) aromatic)</i>	
† <i>White spirit (low (15–20%) aromatic)</i>	B
<i>Wine, see Alcoholic beverages, n.o.s.</i>	
Xylenes (<i>ortho-, meta-, para-</i>)	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:

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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]

§ 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.

§ 30.30-1 Scope and purpose.

(a) This subpart contains procedures for evaluating vessel personnel licensing and certification programs of foreign countries. Evaluations are done for countries which license or certify personnel serving on tank vessels that enter or operate in U.S. navigable waters and ports.

(b) The purpose of each evaluation is to determine whether a foreign licensing and certification program has standards that are comparable to or more stringent than U.S. standards.

(c) A determination that licensing and certification standards of a foreign country are not comparable to or more stringent than U.S. standards will sub-

ject tank vessels manned with officers licensed by that country to the prohibition in 33 U.S.C. 1228(a)(5) on operation with those officers in U.S. navigable waters and ports.

§ 30.30-3 Evaluation materials.

The materials to be submitted for evaluation must include the English text of the following:

(a) All laws, decrees, orders, and regulations relating to manning, training, qualification, and watchkeeping of personnel on tank vessels engaged in foreign trade.

(b) A copy of each type of license and certificate issued by the country to tank vessel personnel.

§ 30.30-5 Submission of evaluation materials.

(a) The evaluation materials listed in § 30.30-3 should be sent to Commandant (G-MOC), U.S. Coast Guard Headquarters, 2100 Second Street, SW., Washington, DC 20593. The materials should include the name and address of the person to whom correspondence concerning the evaluation can be sent.

(b) Updated materials may be submitted at any time during the evaluation process.

[CGD 79-081a, 45 FR 23427, Apr. 7, 1980, as amended by CGD 95-072, 60 FR 50461, Sept. 29, 1995; CGD 96-041, 61 FR 50726, Sept. 27, 1996]

§ 30.30-7 Availability of materials.

Evaluation materials submitted in accordance with this subpart will be available for inspection and copying between 7:30 a.m. and 4:30 p.m., Monday through Thursday, except holidays, at Coast Guard Headquarters, room 1104, 2100 Second Street, SW., Washington, DC 20593. Telephone: (202) 372-1251.

[CGD 79-081a, 45 FR 23427, Apr. 7, 1980, as amended by CGD 95-072, 60 FR 50461, Sept. 29, 1995; USCG-2006-25697, 71 FR 55745, Sept. 25, 2006]

§ 30.30-9 Evaluation.

Materials submitted in accordance with this subpart will be evaluated by comparison to the regulations in parts 5, 10, and 13 of this chapter, and by