

TABLE 2 TO PART 153—CARGOES NOT REGULATED UNDER SUBCHAPTERS D OR O OF THIS CHAPTER WHEN CARRIED IN BULK ON NON-OCEANGOING BARGES

The cargoes listed in this table are not regulated under subchapter D or O of this title when carried in bulk on non-oceangoing barges. Category A, B, or C noxious liquid substance (NLS) cargo, as defined in §153.2 of this chapter, listed in this table, or any mixture containing one or more of these cargoes, must be carried under this subchapter if carried in bulk on an oceangoing ship. Requirements for Category D NLS cargoes and mixtures of non-NLS cargoes with Category D NLS cargoes are in 33 CFR part 151.

Cargoes	Pollution Category
2-Amino-2-hydroxymethyl-1,3-propanediol solution	III
Ammonium hydrogen phosphate solution	D
Ammonium lignosulfonate solution, <i>see also</i> Lignin liquor	III
Ammonium nitrate solution (45% or less)	D
Ammonium nitrate, Urea solution (2% or less NH <sub>3</sub> ), <i>see also</i> Urea, Ammonium nitrate solution (2% or less NH <sub>3</sub> )	D
Ammonium phosphate, Urea solution, <i>see also</i> Urea, Ammonium phosphate solution	D
Ammonium polyphosphate solution	D
Ammonium sulfate solution (20% or less)	D
Ammonium thiosulfate solution (60% or less)	C
Apple juice	III
Calcium bromide solution	III
Calcium carbonate slurry	III
Calcium chloride solution	III
Calcium hydroxide slurry	D
Calcium lignosulfonate solution, <i>see also</i> Lignin liquor	III
Calcium nitrate, Magnesium nitrate, Potassium chloride solution	III
Caramel solutions	III
Chlorinated paraffins (C14–C17) (with 52% Chlorine)	III
2-Chloro-4-ethylamino-6-isopropylamino-5-triazine solution	#
Choline chloride solution	D
Clay slurry	III
Coal slurry	III
<i>Dextrose solution, see</i> Glucose solution.	
Diethylenetriamine pentaacetic acid, pentasodium salt solution	III
1,4-Dihydro-9,10-dihydroxy anthracene, disodium salt solution	D
Dodeceny succinic acid, dipotassium salt solution	D
Drilling brine (containing Calcium, Potassium, or Sodium salts) ( <i>see also</i> Potassium chloride solution (10% or more))	III
Drilling brine (containing Zinc salts)	B
Drilling mud (low toxicity) ( <i>if non-flammable and non-combustible</i> )	[III]
Ethylenediaminetetraacetic acid, tetrasodium salt solution	D
Ethylene-Vinyl acetate copolymer ( <i>emulsion</i> )	III
Ferric hydroxyethylethylenediamine triacetic acid, trisodium salt solution	D
Fish solubles ( <i>water based fish meal extracts</i> )	III
Fructose solution	#
Glucose solution	III

Cargoes	Pollution Category
Glycine, sodium salt solution	III
Hexamethylenediamine adipate solution	D
N-(Hydroxyethyl)ethylenediamine triacetic acid, trisodium salt solution	D
Kaolin clay solution	III
Kaolin slurry	III
Kraft pulping liquor (free alkali content, 1% or less) <i>including: Black, Green, or White liquor</i>	#
Lignin liquor (free alkali content, 1% or less) <i>including:</i>	#
Ammonium lignosulfonate solution	III
Calcium lignosulfonate solution	III
Sodium lignosulfonate solution	III
Lignin sulfonic acid, sodium salt solution, <i>see also</i> Lignin liquor or Sodium lignosulfonate solution	III
Magnesium chloride solution	III
Magnesium hydroxide slurry	III
Milk	III
Molasses	III
Molasses residue ( <i>from fermentation</i> )	[III]
Naphthenic acid, sodium salt solution	[A]
Noxious liquid, N.F., (1) n.o.s. ("trade name" contains "principle components") ST 1, Cat A ( <i>if non-flammable or non-combustible</i> )	A
Noxious liquid, N.F., (3) n.o.s. ("trade name" contains "principle components") ST 2, Cat A ( <i>if non-flammable or non-combustible</i> )	A
Noxious liquid, N.F., (5) n.o.s. ("trade name" contains "principle components") ST 2, Cat B ( <i>if non-flammable or non-combustible</i> )	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 ( <i>if non-flammable or non-combustible</i> )	B
Noxious liquid, N.F., (9) n.o.s. ("trade name" contains "principle components") ST 3, Cat A ( <i>if non-flammable or non-combustible</i> )	A
Noxious liquid, N.F., (11) n.o.s. ("trade name" contains "principle components") ST 3, Cat B ( <i>if non-flammable or non-combustible</i> )	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 ( <i>if non-flammable or non-combustible</i> )	B
Noxious liquid, N.F., (15) n.o.s. ("trade name" contains "principle components") ST 3, Cat C ( <i>if non-flammable or non-combustible</i> )	C
Noxious liquid, n.o.s. (17) ("trade name," contains "principal components"), Category D ( <i>if non-flammable or non-combustible</i> )	D
Non-noxious liquid, n.o.s. (18) ("trade name," contains "principal components"), Appendix III ( <i>if non-flammable or non-combustible</i> )	III
<i>Pentasodium salt of Diethylenetriamine pentaacetic acid solution, see</i> Diethylenetriamine pentaacetic acid, pentasodium salt solution.	
Polyaluminum chloride solution	III
Potassium chloride solution (10% or more)( <i>see also the drilling brines entry</i> )	III
Sewage sludge, treated ( <i>treated so as to pose no additional decompositional and fire hazard; stable, non-corrosive, non-toxic, non-flammable</i> )	#
Silica slurry	[III]
Sludge, treated ( <i>treated so as to pose no additional decompositional and fire hazard; stable, non-corrosive, non-toxic, non-flammable</i> )	#
Sodium acetate, Glycol, Water mixture (containing 1% or less, Sodium hydroxide) ( <i>if non-flammable or non-combustible</i> )	#
Sodium aluminosilicate slurry	III
Sodium carbonate solution	D

Cargoes	Pollution Category
Sodium lignosulfonate solution, <i>see also</i> Lignin liquor .....	III
<i>Sodium naphthenate solution (free alkali content, 3% or less), see</i> Naphthenic acid, sodium salt solution..	
Sodium poly(4+)acrylate solution .....	III
Sodium silicate solution .....	C
Sodium sulfate solution .....	III
Sorbitol solution .....	III
Sulfonated polyacrylate solution .....	III
<i>Tetrasodium salt of Ethylenediaminetetraacetic acid solution, see</i> Ethylenediaminetetraacetic acid, tetrasodium salt solution.	
Titanium dioxide slurry .....	III
1,1,1-Trichloroethane .....	C
1,1,2-Trichloro-1,2,2-trifluoroethane .....	C
<i>Trisodium salt of N-(Hydroxyethyl)ethylenediamine triacetic acid solution, see</i> N-(Hydroxyethyl)ethylenediamine triacetic acid, trisodium salt solution..	
Urea, Ammonium mono- and di-hydrogen phosphate, Potassium chloride solution .....	D
Urea, Ammonium nitrate solution (2% or less NH <sub>3</sub> ), <i>see also</i> Ammonium nitrate, Urea solution (2% or less) .....	D
Urea, Ammonium phosphate solution, <i>see also</i> Ammonium phosphate, Urea solution .....	D
Urea solution .....	III
Vanillin black liquor (free alkali content, 1% or less) .....	#
Vegetable protein solution ( <i>hydrolysed</i> ) .....	III
Water .....	III
<i>Zinc bromide, Calcium bromide solution, see</i> Drilling brine (containing Zinc salts).	

Explanation of Symbols: As used in this table, the following stand 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.

- Abbreviations for Noxious liquid Cargoes:
- N.F.—non-flammable (flash point greater than 60 degrees C (140 degrees F) cc).
  - n.o.s.—not otherwise specified.
  - ST—Ship type.
  - Cat—Pollution category.

[CGD 88–100, 54 FR 43584, Oct. 26, 1989; CGD 92–100, 59 FR 17044, Apr. 11, 1994, as amended by CGD 94–900, 59 FR 45142, Aug. 31, 1994; CGD 94–902, 60 FR 34043, June 29, 1995; CGD 95–900, 60 FR 34052, June 29, 1995; USCG 2000–7079, 65 FR 67213, Nov. 8, 2000]

APPENDIX I TO PART 153 [RESERVED]

APPENDIX II TO PART 153—METRIC UNITS USED IN PART 153

Parameter	Metric (SI unit)	Abbreviation	Equivalent to English or common metric
Force .....	Newton .....	N .....	0.225 lbs.
Length .....	Meter .....	m .....	39.37 in.
	Centimeter .....	cm .....	.3937 in.
Pressure .....	Pascal .....	Pa .....	1.450×10 <sup>-4</sup> lbs/in. <sup>2</sup> .
	Kilo-Pascal (1,000 Pascals) .....	kPa .....	0.145 lbs/in. <sup>2</sup> .
	Kilo-Pascal .....	kPa .....	1.02×10 <sup>-2</sup> kg/cm <sup>2</sup> .
Temperature .....	.....do .....	kPa .....	1×10 <sup>3</sup> N/m <sup>2</sup> .
	Degree Celsius .....	°C .....	5/9 (°F–32).
Viscosity .....	milli-Pascal second .....	mPa. sec.	1.0 centipoise.
	Cubic meter .....	m <sup>3</sup> .....	264 gallons (gal).
Volume .....	.....do .....	m <sup>3</sup> .....	35.3 ft <sup>3</sup> .

[CGD 73–96, 42 FR 49027, Sept. 26, 1977, as amended by CGD 78–128, 47 FR 21212, May 17, 1982; CGD 81–101, 52 FR 7799, Mar. 12, 1987. Re-designated by CGD 92–100, 59 FR 17045, Apr. 11, 1994]

**PART 154—SAFETY STANDARDS FOR SELF-PROPELLED VESSELS CARRYING BULK LIQUEFIED GASES**

**Subpart A—General**

- Sec.
- 154.1 Incorporation by reference.
  - 154.3 Purpose.
  - 154.5 Applicability.
  - 154.7 Definitions, acronyms, and terms.
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  - 154.17 U.S. flag vessel: Certificate of Inspection endorsement.
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  - 154.22 Foreign flag vessel: Certificate of Compliance endorsement application.
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  - 154.30 [Reserved]
  - 154.32 Equivalents.
  - 154.34 Special approval: Requests.
  - 154.36 Correspondence and vessel information: Submission.
  - 154.40 Right of appeal.