

- e. Cyclohexane oxidation product acid water
- f. Cyclopentadiene, Styrene, Benzene mixture
- g. Diammonium salt of Zinc EDTA solution
- h. Didecyl dimethyl ammonium chloride, Ethanol mixture solution
- i. Ethyl chloroethoformate
- j. Fatty acid amides
- k. Glycols, Resins, and Solvents mixture
- l. Hydrochloric acid, spent
- m. Jet fuel: JP-1
- n. Jet fuel: JP-3
- o. Maleic anhydride copolymer
- p. Methylamine
- q. 4,4'-Methylenediphenylamine (43% or less), Polymethylene polyphenylamine, o-Dichlorobenzene mixture
- r. Methyl formal
- s. Octyl epoxytallate
- t. Oil, edible: Babassu
- u. Oil, edible: Grapeseed
- v. Oil, misc: Adsorption
- w. Oil, misc: Range
- x. Oil, misc: Resin
- y. Oil, misc: Resinous petroleum
- z. Oil, misc: Spray
- aa. Oil, misc: Tanner's
- bb. Oil, misc: White (mineral)
- cc. 3-Pentenenitrile
- dd. Polyalkenyl succinic anhydride amine
- ee. Salicylaldehyde
- ff. Vinyl acetate-fumarate copolymer

**Table II to Part 150 [Amended]**

5. In Table II, in the Group indicated, remove the following entire:

- Group 0. Unassigned cargoes.
  - a. Ethyl chloroethoformate
- Group 1. Non-oxidizing mineral acids.
  - a. Hydrochloric acid, spent
- Group 4. Organic acids.
  - a. Cyclohexane oxidation product acid water
- Group 7. Aliphatic amines.
  - a. Methylamine
- Group 9. Aromatic amines.
  - a. 4,4'-Methylenedianiline (43% or less), Polymethylene polyphenylamine, o-Dichlorobenzene mixture
- Group 19. Aldehydes.
  - a. Salicylaldehyde
- Group 30. Olefins.
  - a. Cyclopentadiene, Styrene, Benzene mixture
- Group 31. Paraffins.
  - a. Cycloaliphatic resins
- Group 33. Miscellaneous Hydrocarbon Mixtures
  - a. Carbon black base
  - b. Fatty acid amides
  - c. Glycols, Resins, & Solvents mixture
  - d. Jet fuel: JP-1
  - e. Jet fuel: JP-3
  - f. Maleic anhydride copolymer
  - g. Oil, misc: Adsorption

- h. Oil, misc: Range
  - i. Oil, misc: Resin
  - j. Oil, misc: Resinous petroleum
  - k. Oil, misc: Spray
  - l. Oil, misc: Tanner's
  - m. Oil, misc: White (mineral)
  - n. Polyalkenyl succinic anhydride amine
- Group 34. Esters
- a. Acetyl tributyl citrate
  - b. Amyl tallate
  - c. Octyl epoxytallate
  - d. Oil, edible: Babassu
  - e. Oil, edible: Grapeseed
  - f. Vinyl acetate-fumarate copolymer
- Group 37. Nitriles.
- a. 3-Pentenenitrile
- Group 41. Ethers.
- a. Methyl formal
- Group 43. Miscellaneous water solutions.
- a. Diammonium salt of Zinc EDTA solution
  - b. Didecyl dimethyl ammonium chloride, Ethanol mixture solution

**Appendix I to Part 150 [Amended]**

6. In appendix I (b), remove the following words: "Ethyl Chloroethoformate (0) is not compatible with Groups 5, 6, 7, 8, and 9."

**PART 151—BARGES CARRYING BULK LIQUID HAZARDOUS MATERIAL CARGOES**

7. The authority citation for part 151 continues to read as follows:

**Authority:** 33 U.S.C. 1903, 46 U.S.C. 3703; 49 CFR 1.46.

**Table 151.05 [Amended]**

8. In table 151.05, remove the following entries in their entirety:

- a. Butyraldehydes (crude)
- b. Hydrochloric acid, spent
- c. Isopentaldehyde
- d. Methylamine (anhydrous)

**§ 151.12-5 [Amended]**

9. In § 151.12-5, remove the entry "Chlorohydrins (*crude*)".

**PART 153—SHIPS CARRYING BULK LIQUID, LIQUEFIED GAS, OR COMPRESSED GAS HAZARDOUS MATERIALS**

10. The authority citation for part 153 is revised to read as follows:

**Authority:** 46 U.S.C. 3703; 49 CFR 1.46. Section 153.40 issued under 49 U.S.C. 5103. Sections 153.470 through 153.491, 153.1100 through 153.1132, and 153.1600 through 153.1608 also issued under 33 U.S.C. 1903 (b).

**Table 1 [Amended]**

11. In Table 1, remove the following entries in their entirety:

- a. (crude) Butyraldehyde
- b. Diammonium salt of Zinc ethylenediamine tetraacetic acid solution

**Table 2 to Part 153 [Amended]**

12. In Table 2, remove the entry "Ammonium phosphate solution".

Dated: June 15, 1995.

**J.C. Card,**

*Rear Admiral, U.S. Coast Guard, Chief, Office of Marine Safety, Security and Environmental Protection.*

[FR Doc. 95-15751 Filed 6-28-95; 8:45 am]

**BILLING CODE 4910-14-M**

**46 CFR Parts 30, 150, 151, and 153**

**[CGD 95-900]**

**RIN 2115-AF07**

**Bulk Hazardous Materials**

**AGENCY:** Coast Guard, DOT.

**ACTION:** Final rule.

**SUMMARY:** The Coast Guard is amending its regulations on carriage of bulk hazardous materials by adding cargoes recently authorized for carriage by the Coast Guard or added to the International Maritime Organization's (IMO) Chemical Codes and by making minor technical and editorial changes and corrections. This action will update the bulk hazardous materials tables and better inform persons shipping a bulk hazardous material of that material's compatibility and special handling requirements.

**EFFECTIVE DATE:** This rule is effective on August 28, 1995.

**ADDRESSES:** Unless otherwise indicated, documents referred to in this preamble are available for inspection or copying at the office of the Executive Secretary, Marine Safety Council (G-LRA/3406) (CGD 95-900), U.S. Coast Guard Headquarters, 2100 Second Street SW., room 3406, Washington, DC 20593-0001 between 8 a.m. and 3 p.m., Monday through Friday, except Federal holidays. The telephone number is (202) 267-1477.

**FOR FURTHER INFORMATION CONTACT:**

Mr. Curtis G. Payne, Hazardous Materials Branch, (202) 267-1577.

**SUPPLEMENTARY INFORMATION:**

**Drafting Information**

The principal persons involved in drafting this document are Mr. Curtis G. Payne, Project Manager, and Ms. Helen G. Boutros, Project Counsel, Office of Chief Counsel.

### Related Rulemaking

Elsewhere in this edition of the **Federal Register**, the Coast Guard is publishing amendments to its noxious liquid substances lists in 33 CFR 151.47 (CGD 95-901). Also in this edition of the **Federal Register**, a final rule (CGD 94-902) is published concerning cargo entries the Coast Guard has reason to believe are obsolete.

### Regulatory Information

Because the United States is a party to the International Convention for the Prevention of Pollution from Ships, 1973 as modified by the protocol of 1978 relating thereto (MARPOL 73/78), these amendments are required to ensure that the Coast Guard regulations are consistent with revisions to IMO's chemical codes. Accordingly, the Coast Guard finds that good cause exists under 5 U.S.C. 553(b) to publish this rule without opportunity for comment.

### Background and Purpose

This rulemaking updates various Coast Guard hazardous materials tables in 46 CFR parts 30, 150, 151, and 153 to include new chemicals and requirements authorized by Coast Guard regulations or international law. This rulemaking would also make other non-substantive editorial changes and corrections.

### Discussion of Amendments

(a) A number of new cargo entries are added to table 30.25-1, tables I and II and appendix I of part 150, and tables 1 and 2 of part 153, as appropriate. These include cargoes recently authorized by the Coast Guard and cargoes to be included in the IMO Chemical Codes ("International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk" (IBC Code), and "Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk" (BCH Code)), but not yet included in Coast Guard regulations. These include new entries approved at an IMO subcommittee meeting of September 13-17, 1993 (BCH 23) and October 19-23, 1994 (BCH 24).

(b) The "Compatibility of Cargoes" tables in part 150 are amended to include the chemicals added by the final rule to the hazardous materials tables in parts 30 and 153. This rule also corrects several current cargo names and cross-references other entries.

(c) The Coast Guard was informed of two erroneous assignments in the current table. They are cresylic acid tar, currently shown as assigned to Group 5 (Caustics) and potassium thiosulfate, currently shown as assigned to Group 0

(Unassigned cargoes). The entry for cresylic acid tar is corrected to reflect its assignment to Group 21 (Phenols, Cresols), and the entry for potassium thiosulfate solution is corrected to reflect its assignment to Group 43 (Miscellaneous Water Solutions). The Coast Guard is appreciative of the assistance it received in discovering these errors.

(d) Section 151.05-2 is revised to address the change for tank barges certificated to carry benzene and benzene containing cargoes from the restricted gauging requirements in § 151.15-10 to closed gauging requirements, and, for tank barges certificated to carry butyl acrylate cargoes, from open to restricted gauging requirements. Section 151.05-2 was added in an August 31, 1994, final rule (CGD 94-900; 59 FR 45136) to require that such tank barges comply with the gauging requirements of Table 151.05 by August 15, 1998. The revision clarifies that until August 15, 1998, those barges must either meet the new gauging requirements of Table 151.05, or the previous gauging requirements in § 151.15-10. Also, the spelling of the word "acrylate" is corrected.

(e) In its continued effort to maintain consistency between the requirements of the tank ship regulations (part 153) and the tankbarge regulations (part 151) where applicable, the Coast Guard proposes to add special requirement 151.50-73, "Chemical protective clothing" to the entries in table 151.05 of part 151 of the tankbarge regulations for the commodities listed below:

- (1) Acetic acid
- (2) Acetic anhydride
- (3) Coal tar naphtha solvent
- (4) Coal tar pitch (molten)
- (5) Formic acid
- (6) Phosphoric acid
- (7) Propionic acid
- (8) Sodium chlorate solution (50% or less)

This change is in conformance with the current special requirement for these commodities found in tank ship regulations at § 153.933, "Chemical protective clothing".

(f) The carriage requirements of two entries in table 1 of part 153, diethyl sulfate and sodium silicate solution, are changed. The Coast Guard has received information from a manufacturer of the commodity diethyl sulfate demonstrating the need for the protective clothing special requirement of § 153.933. The Coast Guard is adding the special requirement to the entry for that commodity. The entry sodium silicate solution was reviewed by the IMO at BCH 24 and determined to be a

nonflammable water solution. Therefore, the fire protection requirement for this entry was removed by the IMO. This same action is adopted in this final rule.

(g) Other minor corrections or modifications are made as required to the various lists and tables.

(h) In appendix I to this final rule, the Coast Guard is providing information intended to provide mariners with insight into revisions that may be addressed in future rulemaking actions. The appendix will not appear in the Code of Federal Regulations, and does not propose changes to current requirements. The appendix is provided for informational purposes only. One issue addressed in the appendix involves the potential for incompatible stowage of isocyanate cargoes, Group 12 and water solutions of chemical cargoes. Shippers of such cargoes should review the appendix for further information.

### Regulatory Evaluation

This final rule is not a significant regulatory action under section 3(f) of Executive Order 12866 and does not require an assessment of potential costs and benefits under section 6(a)(3) of that order. It has not been reviewed by the Office of Management and Budget under that order. It is not significant under the regulatory policies and procedures of the Department of Transportation (DOT) (44 FR 11040 February 26, 1979). This rulemaking updates the Coast Guard's bulk hazardous materials table by adding cargoes recently authorized by the Coast Guard or added to the IMO Chemical Codes and by making non-substantive editorial changes. The Coast Guard expects the economic impact of this rule to be so minimal that a full Regulatory Evaluation under paragraph 10e of the regulatory policies and procedures of DOT is unnecessary.

### Small Entities

Under the Regulatory Flexibility Act (5 U.S.C. 601 *et seq.*), the Coast Guard must consider the economic impact on small entities of a rule for which a general notice of proposed rulemaking is required. "Small entities" may include (1) small businesses and not-for-profit organizations that are independently owned and operated and are not dominant in their fields and (2) governmental jurisdictions with populations of less than 50,000. This rule does not require a general notice of proposed rulemaking and, therefore is exempt from the requirements of the Act. Although this rule is exempt, the Coast Guard has reviewed it for potential impact on small entities.

This rulemaking updates the Coast Guard's bulk hazardous materials table by adding cargoes recently authorized by the Coast Guard or added to the IMO Chemical Codes and by making non-substantive editorial changes. Because it expects the impact of this final rule to be minimal, the Coast Guard certifies under 5 U.S.C. 605(b) that this rule will not have a significant economic impact on a substantial number of small entities.

**Collection of Information**

This final rule contains no collection of information requirements under the Paperwork Reduction Act (44 U.S.C. 3501 *et seq.*).

**Federalism**

The Coast Guard has analyzed this final rule in accordance with the principles and criteria contained in Executive Order 12612 and has determined that this final rule does not have sufficient federalism implications to warrant the preparation of a Federalism Assessment.

This rulemaking updates chemical tables by adding cargoes recently authorized by the Coast Guard or added to the IMO Chemical Codes and by making other non-substantive editorial changes and corrections. Therefore this rulemaking has no federalism implications.

**Environment**

The Coast Guard has considered the environmental impact of this final rule and concluded that, under section 2.B.2 of Commandant Instruction M16475.1B, this final rule is categorically excluded from further environmental documentation. This rulemaking updates tables listing chemicals already approved under Coast Guard regulation or international law and clearly would have no impact on the environment. A Categorical Exclusion Determination is available in the docket for inspection or copying where indicated under ADDRESSES.

**List of Subjects**

*46 CFR Part 30*

Cargo vessels, Foreign relations, Hazardous materials transportation, Penalties, Reporting and recordkeeping requirements, Seamen.

*46 CFR Part 150*

Hazardous materials transportation, Marine safety, Occupational safety and health, Reporting and recordkeeping requirements.

*46 CFR Part 151*

Cargo vessels, Hazardous materials transportation, Marine safety, Reporting and recordkeeping requirements, Water pollution control.

*46 CFR Part 153*

Administrative practice and procedure, Cargo vessels, Hazardous materials transportation, Marine safety, Reporting and recordkeeping requirements, Water pollution control.

For the reasons set out in the preamble, the Coast Guard amends 46 CFR parts 30, 150, 151, and 153 as follows:

**PART 30—GENERAL PROVISIONS**

1. The authority citation for part 30 is revised to read as follows:

**Authority:** 46 U.S.C. 2103, 3306, 3703; 49 U.S.C. 5103; 49 CFR 1.46; Section 30.01–5 also issued under the authority of Sect. 4109, Pub. L. 101–380, 104 Stat 515.

**§ 30.25–1 [Amended]**

2. In § 30.25–1, table 30.25–1 is amended as follows:

- a. In the "Cargoes" column, remove the "+" symbols that precede the cargo entries.
- b. For the entry "Amyl methyl ketone", in the "Pollution category" column, remove the letter "C" and add, in its place, the letter "D".
- c. In the "Cargoes" column, remove the words "Calcium long chain phenolic amine (C8–C40)" and add, in their place, the words "Calcium long chain alkyl phenolic amine (C8–C40)".
- d. In the "Cargoes" column, remove the words "Diethylene glycol butyl ether acetate" and add, in their place, the words "Diethylene glycol butyl ether acetate, see Poly(2–8)alkylene glycol monoalkyl(C1–C6) ether acetate".
- e. In the "Cargoes" column, remove the words "Dimethyl polysiloxane" and add, in their place, the words "Dimethylpolysiloxane, see Polydimethylsiloxane".
- f. In the "Cargoes" column, remove the words "Long chain alkylphenate/Phenol sulfide" and add, in their place, the words "Long chain alkylphenate/Phenol sulfide mixture".
- g. For the entry "Metolachlor", in the "Pollution category" column, remove the symbol "@".
- h. In the "Cargoes" column, remove the words "Polyolefin amide alkeneamine molybdenum oxysulfide" and add, in their place, the words "Polyolefin amide alkeneamine/Molybdenum oxysulfide mixture".
- i. In the "Cargoes" column, remove the word "Tetradecanol" and add, in its place, the words "Tetradecanol, see Alcohols (C13+)".

3. In § 30.25–1, table 30.25–1 is further amended by adding the following new entries in chemically proper alphabetized order:

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

Cargoes	Pollution category
* * * * *	*
2-Ethyl-2-(hydroxymethyl) propane-1,3-diol, C8–C10 ester.	D
* * * * *	*
Glycerol monooleate .....	D
* * * * *	*
Lecithin ( <i>soyabean</i> ) .....	[D]
* * * * *	*
N-Methylglucamine solution (70% or less).	III
* * * * *	*
n-Pentyl propionate .....	C
* * * * *	*
Polybutenyl succinimide .....	D
* * * * *	*
Soyabean oil (epoxidized) .....	[D]
* * * * *	*
Zinc alkenyl carboxamide .....	D
* * * * *	*

4. In § 30.25–1, in the footnotes to table 30.25–1, remove the words "+ denotes newly added products."

**PART 150—COMPATIBILITY OF CARGOES**

5. The authority citation for part 150 continues to read as follows:

**Authority:** 46 U.S.C. 3306, 3703, 49 CFR 1.45, 1.46. Section 150.105 issued under 44 U.S.C. 3507; 49 CFR 1.45.

**Table I to Part 150 [Amended]**

- 6. Table I is amended as follows:
  - a. Remove all bold-faced type wherever it may appear and add, in its place, Roman type.
  - b. In the "Chemical name" column, remove the "+" symbols that precede chemical name entries.
  - c. For the entry "Alkanes (C6–C9)", in the "Related CHRIS codes" column, remove the code "HXX" and add, in its place, the code "HXS".
  - d. For the entry "Alkanes (c10+)", in the "CHRIS code" column, add the code "ALJ".
  - e. In the "Chemical name" column, remove the work "Butene" and add, in its place, the words "Butene, see Butylene".

f. In the "Chemical name" column, remove the words "n-Butyl butyrate" and add, in their place, the words "Butyl butyrate", and in the "CHRIS code" column for the new entry, remove the code "BUB" and add, in its place, the code "BBA", and in the "Related CHRIS codes" column for the new entry, add the codes "BUB/BIB".

g. Delete the entry "iso-Butyl isobutyrate" in its entirety.

h. In the "Chemical name" column, remove the words "Calcium bromide solution" and add, in their place, the words "Calcium bromide solution, see Drilling brines", and in the "Related CHRIS codes" column for the new entry, remove the code "CBM", and in its place, add the code "DRB".

i. In the "Chemical name" column, remove the words "Calcium long chain phenolic amine (C8-C40)" and add, in their place, the words "Calcium long chain alkyl phenolic amine (C8-C40)".

j. In the "Chemical name" column, remove the words "Cresylic acid, sodium salt solution" and add, in their place, the words "Cresylic acid, sodium salt solution, see Cresylate spent caustic".

k. For the entry "Cresylic acid tar", in the "Group No." column, remove the number "5" and add, in its place, the number "21".

l. In the "Chemical name" column, remove the word "Cumene" and add, in its place, the words "Cumene (*isopropyl benzene*), see Propylbenzene", and in the "Related CHRIS codes" column for the new entry, add the code "PBY".

m. For the entry "Decaldehyde", in the "Related CHRIS codes" column, remove the codes "DA/DAL" and add, in their place, the codes "IDA/DAL".

n. For the entry "Decane", in the "CHRIS code" column, remove the code "DDC" and add, in its place, the code "DCC", and in the "Related CHRIS codes" column, add the code "AL".

o. Move the entry "Diphenylamine, reaction product with 2,2,4-Trimethylpentene" in its entirety to follow the entry "Diphenylamines, alkylated".

p. In the "Chemical name" column, remove the word "Diethylaminoethanol" and add, in its place, the words "Diethylaminoethanol, see Diethylethanolamine".

q. In the "Chemical name" column, remove the words "Diethylene glycol butyl ether" and add, in their place, the words "Diethylene glycol butyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether", and in the "Related CHRIS codes" column for the new entry, add the code "PAG".

r. In the "Chemical name" column, remove the words "Diethylene glycol

butyl ether acetate" and add, in their place, the words "Diethylene glycol butyl ether acetate, see Poly(2-7)alkylene glycol monoalkyl(C1-C6) ether acetate", and in the "Related CHRIS codes" column for the new entry, add the code "PAF".

s. In the "Chemical name" column, remove the words "Diethylene glycol ethyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether", and in the "Related CHRIS codes" column for the new entry, add the code "PAG".

t. In the "Chemical name" column, remove the words "Diethyl ether" and add, in their place, the words "Diethyl ether, see Ethyl ether".

u. In the "Chemical name" column, remove the words "Dipropylene glycol methyl ether" and add, in their place, the words "Dipropylene glycol methyl ether, see Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether", and in the "Related CHRIS codes" column for the new entry, add the code "PAG".

v. For the entry "2-Dodecenylnsuccinic acid, dipotassium salt solution", in the "CHRIS code" column, add the code "DSP".

w. Move the entry "Dodecylamine, Tetradecylamine mixture" in its entirety to follow the entry "Dodecyl alcohol, see Dodecanol".

x. In the "Chemical name" column, remove the word "2-Ethoxyethanol" and add, in its place, the words "2-Ethoxyethanol, see Ethylene glycol monoalkyl ethers", and in the "Related CHRIS codes" column for the new entry, remove the code "EGE" and add in its place, the codes "EGC/EGE".

y. In the "Chemical name" column, remove the words "Ethylene glycol butyl ether" and add, in their place, the words "Ethylene glycol butyl ether, see Ethylene glycol monoalkyl ethers", and in the "Related CHRIS codes" column for the new entry, add the code "EGC".

z. In the "Chemical name" column, remove the words "Ethylene glycol tert-butyl ether" and add, in their place, the words "Ethylene glycol tert-butyl ether, see Ethylene glycol monoalkyl ethers", and in the "Related CHRIS codes" column for the new entry, add the code "EGC".

aa. In the "Chemical name" column, remove the words "Ethylene glycol ethyl ether" and add, in their place, the words "Ethylene glycol ethyl ether, see Ethylene glycol monoalkyl ethers", and in the "Related CHRIS codes" column for the new entry, remove the code "EEO" and add in its place, the codes "EGC/EEO".

bb. In the "Chemical name" column, remove the words "Ethylene glycol ethyl ether acetate" and add, in their place, the words "Ethylene glycol ethyl

ether acetate, see Ethoxyethyl acetate", and in the "Related CHRIS codes" column for the new entry, add the code "EEA".

cc. In the "Chemical name" column, remove the words "Ethylene glycol isopropyl ether" and add, in their place, the words "Ethylene glycol isopropyl ether, see Ethylene glycol monoalkyl ethers", and in the "Related CHRIS codes" column for the new entry, add the code "EGC".

dd. In the "Chemical name" column, remove the words "Ethylene glycol methyl ether" and add, in their place, the words "Ethylene glycol methyl ether, see Ethylene glycol monoalkyl ethers", and in the "Related CHRIS codes" column for the new entry, add the code "EGC".

ee. In the "Chemical name" column, remove the words "Ethylene glycol propyl ether" and add, in their place, the words "Ethylene glycol propyl ether, see Ethylene glycol monoalkyl ethers", and in the "Related CHRIS codes" column, for the new entry add the code "EGC".

ff. For the entry "Fatty acid amides", in the "CHRIS code" column add the code "FAA".

gg. For the entry "Hexamethylenediamine adipate solution" in the "Related CHRIS codes" column, remove the code "HMD".

hh. In the "Chemical name" column, remove the word "Isopropylbenzene" and add, in its place, the words "Isopropylbenzene (*cumene*), see Propylbenzene", and in the "Related CHRIS codes" column for the new entry, add the codes "PBY/CUM".

ii. In the "Chemical name" column, remove the words "Long chain alkylphenate/Phenol sulfide" and add, in their place, the words "Long chain alkylphenate/Phenol sulfide mixture".

jj. For the entry "N-Methyl-2-pyrrolidone", in the "Group No." column, add a superscript "2" before the number "9" to read "29".

kk. For the entry "Nitropropane, Nitroethane mixture", in the "CHRIS code" column, remove the code "NNM", and in the "Related CHRIS codes" column, add the codes "NNM/NNL".

ll. Under the entry "Oil, edible", remove the entry "Lanolin" in its entirety.

mm. For the entry "Pine oil", in the "CHRIS code" column, remove the code "POL" and add, in its place, the code "PNL".

nn. In the "Chemical name" column, remove the words "Polyolefin amide alkeneamine molybdenum oxysulfide" and add, in their place, the words

“Polyolefin amide alkeneamine/  
Molybdenum oxysulfide mixture”.

oo. For the entry “Poly(5+)propylene”, in the “CHRIS code” column, add the code “PLQ”.

pp. For the entry “Potassium thiolsulfate solution”, in the “Group No.” column, remove the number “0” and add, in its place, the number “43”.

qq. For the entry “Propylbenzene”, in the “CHRIS code” column, remove the code “PBZ” and add, in its place, the code “PBY”, and in the “Related CHRIS codes” column, add the codes “PBZ/CUM”.

rr. For the entry “Tallow nitrile”, in the “CHRIS code” column, add the code “TAN”.

ss. In the “Chemical name” column, remove the word “Tridecanol” and add,

in their place, the words “*Tridecanol*, see Alcohols (C13+)”.

tt. In the “Chemical name” column, remove the words “Triethylene glycol butyl ether” and add, in their place, the words “Triethylene glycol butyl ether, see Poly(2–8)alkylene glycol monoalkyl(C1–C6) ether”, and in the “Related CHRIS codes” column for the new entry, add the code “PAG”.

uu. For the entry “2,2,4-Trimethyl-1,3-pentanediol diisobutyrate”, in the “CHRIS code” column, add the code “TMQ”.

vv. In the “Chemical name” column, remove the word “Undecanol” and add, in their place, the words “*Undecanol*, see Undecyl alcohol”.

ww. For the entry “Valeraldehyde”, in the “CHRIS code” column, add the

code “VAK”, and in the “Related CHRIS codes” column, remove the codes “IVA/VAL/VAK” and add, in their place, the words “IVA/VAL”.

xx. For the entries “Decyloxytetrahydro-thiophene dioxide”, “Dodecyl hydroxypropyl sulfide”, “Lactic acid”, “Long chain alkaryl sulfonic acid (C16–C60)” and “Tall oil fatty acid, barium salt”, in the “Group No.” column add a superscript “2” to the number “0” to read “20” for each entry.

8. In Table I, add the following new entries in chemically proper alphabetized order: Table I—Alphabetical List of Cargoes

\* \* \* \* \*

TABLE 1.—ALPHABETICAL LIST OF CARGOES

Chemical name	Group No.	CHRIS code	Related CHRIS codes
iso- & cyclo-Alkanes (12+)	31		
Ammonia, aqueous, see Ammonium hydroxide	6	AMH	
Apple juice	43		
Butyl stearate	34		
Calcium carbonate slurry	34		
Calcium hydroxide slurry	5	COH	
Clay slurry, see also Kaolin clay slurry	43		
Dihexyl phthalate	34		
1,4-Dihydro-9,10-dihydroxy anthracene, disodium salt solution	5	DDH	
Diphenylamine, reaction product with 2,2,4-trimethylpentene	7	DAK	
Ethylene carbonate	34		
2-Ethyl-2-(hydroxymethyl)propane-1,3-diol, C8–C10 ester	34	EHD	
Glycerol monooleate	20	GMO	
Glucose solution	43		
Glycidyl ester of C10 trialkyl acetic acid, see Glycidyl ester of tridecyl acetic acid	34	GLT	
Glycine, sodium salt solution	7		

TABLE 1.—ALPHABETICAL LIST OF CARGOES—Continued

Chemical name	Group No.	CHRIS code	Related CHRIS codes
* * * * *	*		*
Hydroxy terminated polybutadiene, see Polybutadiene, hydroxyl terminated .....	20		*
* * * * *	*		*
Lard .....	34		*
* * * * *	*		*
Lauryl polyglucose (50% or less) .....	20	LAP	*
* * * * *	*		*
Lecithin ( <i>soyabean</i> ) .....	34	LEC	*
* * * * *	*		*
Magnesium hydroxide slurry .....	5		*
* * * * *	*		*
N-Methylglucamine solution (70% or less) .....	43	MGC	*
* * * * *	*		*
Milk .....	43		*
* * * * *	*		*
Naphtha:			
* * * * *	*		*
Aromatic .....	33		*
* * * * *	*		*
Heavy .....	33		*
* * * * *	*		*
Paraffinic .....	33		*
* * * * *	*		*
Octyl phthalate, see Dialkyl(C7–C13)phthalates .....	34	DAH	*
* * * * *	*		*
Oils, edible: Maize .....	34	VEO/OCO	*
* * * * *	*		*
Oil, misc:			
* * * * *	*		*
Gas, high pour .....	33		*
* * * * *	*		*
Gas, low pour .....	33		*
* * * * *	*		*
Gas, low sulfur .....	33		*
* * * * *	*		*
Wood .....	34		*
* * * * *	*		*
Phthalate based polyester polyol .....	20	PBE	*
* * * * *	*		*
Polyaluminum chloride solution .....	1		*
* * * * *	*		*
Polybutenyl succinimide .....	10	PBS	*
* * * * *	*		*
Potassium polysulfide, Potassium thiosulfide solution (41% or less) .....	0	PTG	*
* * * * *	*		*
Propylene carbonate .....	34		*

TABLE 1.—ALPHABETICAL LIST OF CARGOES—Continued

Chemical name	Group No.	CHRIS code	Related CHRIS codes
* * * * * Silica slurry .....	43		*
* * * * * Sludge, treated .....	43		*
* * * * * Sodium aluminosilicate slurry .....	34		*
* * * * * Sodium naphthenate solution, <i>see</i> Napthenic acid, sodium salt solution .....	5		*
* * * * * Sodium petroleum sulfonate .....	33	SPS	*
* * * * * Soyabean oil (epoxidized) .....	34	OSC/EVO	*
* * * * * <i>Tetrapropylbenzene, see</i> Alkyl(C9+)benzenes .....	32	AKB	*
* * * * * 1,3,5-Trioxane .....	<sup>2</sup> 42	TRO	*
* * * * * Trixylyl phosphate, <i>see</i> Trixylenyl phosphate .....	34	TRP	*
* * * * * Urea solution .....	43	URE	*
* * * * * Water .....	43		*
* * * * * Waxes:			
* * * * * Candelilla .....	34	WCD	*
* * * * * Petroleum .....	33		*
* * * * * Zinc alkenyl carboxamide .....	10	ZAA	*
* * * * *			*

\* \* \* \* \*  
9. In Table I, in the footnote section, remove the words "+ denotes newly added products."

*Table II to Part 150 [Amended]*

10. Table II is amended as follows:

a. In Group 0, Unassigned Cargoes, remove the words "Potassium thiosulfate solution" and add, in their place, the words "Potassium polysulfide, Potassium thiosulfide solution (41% or less)".

b. In Group 0, Unassigned Cargoes, for the entries "Decyloxytetrahydrothiophene dioxide", "Dodecyl hydroxypropyl sulfide", "Lactic acid", "Long chain alkaryl sulfonic acid (C16-C60)" and "Tall oil fatty acid, barium

salt" add a superscript "2" to the entries to read "Decyloxytetrahydrothiophene dioxide <sup>2</sup>", "Dodecyl hydroxypropyl sulfide <sup>2</sup>", "Lactic acid <sup>2</sup>", "Long chain alkaryl sulfonic acid (C16-C60)" and "Tall oil fatty acid, barium salt <sup>2</sup>" respectively.

c. In Group 5, Caustics, remove the words "Cresylic acid tar".

d. In Group 7, Aliphatic Amines, remove the words "Calcium long chain phenolic amine (C8-C40)" and add, in their place, the words "Calcium long chain alkyl phenolic amine (C8-C40)", and, remove the words "Polyolefin amide alkeneamine molybdenum oxysulfide" and add, in their place, the words "Polyolefin amide alkeneamine/Molybdenum oxysulfide mixture".

e. In Group 9, Aromatic Amines, add a superscript "2" at the end of the entry "N-Methyl-2-pyrrolidone" to read N-Methyl-2-pyrrolidone <sup>2</sup>".

f. In Group 21, Phenols, Cresols, remove the words "Long chain alkylphenate/Phenol sulfide" and add, in their place, the words "Long chain alkylphenate/phenol sulfide mixture".

11. In Table II, add the following new entries in the designated Compatibility Groups, in chemically proper alphabetized order:

Table II—Grouping of Cargoes

- \* \* \* \* \*  
0. Unassigned cargoes  
    Phthalate based polyester polyol <sup>2</sup>  
1. Non-oxidizing mineral acids  
    Polyaluminum chloride solution

- 5. Caustics  
Sodium naphthenate solution
- 6. Ammonia  
Ammonia, aqueous
- 7. Aliphatic amines  
Diphenylamine, reaction product with 2,2,4-trimethylpentene
- 20. Alcohols, Glycols  
Glycerol monooleate  
Hydroxy terminated polybutadiene  
Lauryl polyglucose (50% or less)
- 21. Phenols, Cresols  
Cresylic acid tar
- 31. Paraffins  
iso- & cyclo-Alkanes (12+)
- 33. Miscellaneous Hydrocarbon Mixtures  
Oil, misc: Gas, high pour  
Sodium petroleum sulfonate  
Waxes: Petroleum
- 34. Esters  
Dihexyl phthalate  
Ethylene carbonate  
Glycidyl ester of C10 trialkyl acetic acid  
Lecithin (*soyabean*)  
Propylene carbonate  
Soyabean oil (epoxidized)  
Trixylyl phosphate
- 41. Ethers  
Diethyl ether  
1,3,5-Trioxane
- 43. Miscellaneous Water Solutions  
Clay slurry  
Potassium thiosulfate solution  
N-Methylglucamine solution (70% or less)  
Urea solution  
Water

Member of reactive group	Compatible with				
*	*	*	*	*	*
Sodium hydrosulfide solution (5).			iso-Propyl alcohol (20)		
*	*	*	*	*	*

- a. Acetic acid
- b. Acetic anhydride
- c. Coal tar naphtha solvent
- d. Coal tar pitch (molten)
- e. Formic acid
- f. Phosphoric acid
- g. Propionic acid
- h. Sodium chlorate solution (50% or less)

**PART 153—SHIPS CARRYING BULK LIQUID, LIQUEFIED GAS, OR COMPRESSED GAS HAZARDOUS MATERIALS**

18. The authority citation for Part 153 is revised to read as follows:

**Authority:** 46 U.S.C. 3703; 49 CFR 1.46. Section 153.40 issued under 49 U.S.C. 5103. Sections 153.470 through 153.491, 153.1100 through 153.1132, and 153.1600 through 153.1608 also issued under 33 U.S.C. 1903 (b).

19. Section 153.1003 is added to read as follows:

**§ 153.1003 Prohibited carriage in deck tanks.**

When Table 1 refers to this section, cargoes may not be carried in deck tanks.

**Table 1 to Part 153 [Amended]**

20. Table 1 is amended as follows:

a. In the "Cargo name" column, remove the "+" symbols that precede the chemical name entries.

b. For the entry "Dinitrotoluene", in the "Cargo name" column and in the "Cargo containment system" column, remove the superscript "5", and in the "Special requirements in 46 CFR Part 153" column for that entry add, in numerical order, ".1003".

c. In the "Cargo name" column, remove the words "Isopropylbenzene, see Cumene" and add, in their place, the words "Isopropylbenzene (Cumene), see Propylbenzene (all isomers)".

d. For the entry "Metolachlor", in the "Pollution category" column, remove the symbol "@", and in the "Special requirements" column for that entry, remove the word "None" and add, in its place, the number ".409".

21. Table 1 is amended further by adding the following new entries in chemically proper alphabetized order:

**Table 1—Summary of Minimum Requirements**

*	*	*	*	*
---	---	---	---	---

14. In appendix I (b), add the following new entries in chemically proper alphabetized order to read as follows:

*	*	*	*	*
---	---	---	---	---

Phthalate based polyester polyol (0) is not compatible with Group 2, 3, 5, 7 and 12.

1,3,5-Trioxane (41) is not compatible with Group 1 (Non-oxidizing mineral acids) and Group 4 (Organic acids).

*	*	*	*	*
---	---	---	---	---

**PART 151—BARGES CARRYING BULK LIQUID HAZARDOUS MATERIAL CARGOES**

15. The authority citation for part 151 continues to read as follows:

**Authority:** 33 U.S.C. 1903, 46 U.S.C. 3703; 49 CFR 1.46.

16. Section 151.05-2 is revised to read as follows:

**§ 151.05-2 Compliance with requirements for tank barges carrying benzene and benzene containing cargoes, or butyl acrylate cargoes.**

A tank barge certificated to carry benzene and benzene containing cargoes or butyl acrylate cargoes must comply with the gauging requirement of Table 151.05 of this part by August 15, 1998. Until that date, a tank barge certificated to carry benzene and benzene containing cargoes must meet either the gauging requirement of Table 151.05 or the restricted or closed gauging requirements in effect on September 29, 1994; and a tank barge certificated to carry butyl acrylate cargoes must meet either the gauging requirements of Table 151.05 or comply with the open, restricted, or closed gauging requirements in effect on September 29, 1994.

**Table 151.05 [Amended]**

17. In Table 151.05, for the entries listed below, in the "Cargo identification, Name" column, add a bullet to precede the name, and in the "Special requirements" column for the entries listed below add, in numerical order, ".50-73", in boldface type:

**Appendix to Part 150 [Amended]**

12. In appendix I (a), add the new entry "iso-Nonyl alcohol (20)" to follow the entry "Nonyl alcohol (20)" in the column "Compatible with" for the entry "Caustic soda, 50% or less" in the "Member of reactive group" column.

13. In appendix I (a), add the following new listings in chemically proper alphabetized order:

*	*	*	*	*	*	*
---	---	---	---	---	---	---

Member of reactive group	Compatible with				
*	*	*	*	*	*
gamma-Butyrolactone (0).			N-Methyl-2-pyrrolidone (9)		
*	*	*	*	*	*
Sodium dichromate, 70% (0).			Methyl alcohol (20)		



TABLE 1.—SUMMARY OF MINIMUM REQUIREMENTS

a.	b.	c.	d.	e.	f.	g.	h.	i.	j.
Acetochlor .....	A	P	II	NR	Open .....	Open .....	A .....	.409 .....	NA
Alkyl (C7-C12)phenol poly(4-12)ethoxylate.	B	P	III	NR	Open .....	Open .....	A .....	.409, .440, .488 <sup>1</sup> , .908 (a), (b).	I-D
Ammonium bisulfite solution (70% or less).	D	S	III	4m	PV .....	Restr .....	No .....	.238(e), .933, .1002 .....	NA
Bromochloroethane.	D	S	III	4m	PV .....	Restr .....	No .....	.236 (a), (b), (d), .526, .933.	NA
Dibromomethane.	C	S/P	II	4m	PV .....	Restr .....	No .....	.236 (a), (b), (d), .408, .525 (a), (c), (d), (e), .526, .933, .1020.	NA
3,4-Dichloro-1-butene.	B	S/P	III	B/3	PV .....	Closed .....	A,B,C .....	.316, .409, .525 (a), (c), (d), (e), .526, .527, .933, .1020.	I-D
Icosa (oxypropene-2,3-diyl)s.	B	P	III	NR	Open .....	Open .....	A .....	.409, .440, .908(a) .....	NA
Lauryl polyglucose (50% or less).	[B]	P	III	NR	Open .....	Open .....	No .....	.409, .440, .488, .908 (a), (b).	NA
N-(2-Methoxy-1-methyl-ethyl)-2-ethyl-6-methylchloroacetanilide, see Metolachlor									
Nitroethane <sup>7</sup> .....	D	S	III	4m	PV .....	Restr .....	7 A,C .....	.236(b), .409, .526, .1002 (a), (b), .1003.	I-C
Nitropropane (20%), Nitroethane (80%) <sup>7</sup> .	D	S	III	4m	PV .....	Restr .....	7 A,C .....	.236(b), .409, .526, .1002 (a), (b), .1003.	I-C
Potassium polysulfide, Potassium thiosulfate solution (41% or less).	[C]	S/P	III	NR	Open .....	Open .....	No .....	.236 (b), (c), .409 .....	NA
iso-Propylamine solution (70% or less).	C	S/P	II	B/3	PV .....	Closed .....	C,D .....	.236 (a), (b), (c), (g), .408, .440, .525, .526, .527, .1010.	I-D

\* \* \* \* \*

22. The footnotes to Table 1 to part 153 are amended as follows:

a. Remove the words "+ denotes newly added products."

b. Remove the words in footnote 5 and add, in their place, the word "Reserved."

c. In footnote 7, add the word "Nitroethane" to follow the words

"Maleic anhydride"; remove the numbers "(60%)" and "(40%)" and remove the word "mixture" and add, in its place, the word "mixtures".

Table 2 to part 153 [Amended]

23. Table 2 is amended as follows:  
 a. In the "Cargoes" column, remove the "+" symbols that precede the chemical name entries.  
 b. Under the entry "Lignin liquor", in the "Cargoes" column, add the subentry, "Ammonium lignosulfonate solution" in chemically proper alphabetized order, and in the "Pollution Category" column for the subentry "Ammonium lignosulfonate solution", insert the symbol "III", and in the "Pollution Category" column for the subentries "Calcium lignosulfonate solution" and "Sodium lignosulfonate solution", remove the symbol "@".

24. Table 2 is amended further by adding the following new entries in chemically proper alphabetized order:  
 Table 2—Cargoes Not Regulated Under Subchapters D or O of this Chapter when carried in Bulk on Non-oceangoing Barges.

\* \* \* \* \*

Cargoes	Pollution category
* * * * *	*
Ammonium lignosulfonate solution, <i>see also</i> Lignin liquor.	III
* * * * *	*
Calcium lignosulfonate solution, <i>see also</i> Lignin liquor.	III
* * * * *	*
Caramel solutions .....	III
* * * * *	*
Sodium lignosulfonate solution, <i>see also</i> Lignin liquor.	III
* * * * *	*

25. In the footnotes to Table 2 of part 153 remove the words "+ denotes newly added products."

Dated: June 15, 1995.

J.C. Card,

Rear Admiral, U.S. Coast Guard, Chief, Office of Marine Safety, Security and Environmental Protection.

**Appendix I**

**Note**—The following appendix will not appear in the Code of Federal Regulations.

Summary: The information contained in this appendix is for informational purposes only, and is intended to provide mariners with insight into revisions that may be addressed in future rulemaking actions. It does not change existing regulations.

*Provisional Categorization of Liquid Substances, MEPC/Circ.281/Rev.1.*

On March 7, 1995, the International Maritime Organization (IMO), London, U.K. published the circular MEPC/Circ.281/Rev.1, Provisional Categorization of Liquid Substances. This circular contains a number of chemical cargo lists. Among the various lists are several specialty lists which are

presented below (in modified format) for the information of interested parties.

(a) Annex 6. *Oil-like substances.*

- Pollution Category C—See 33 CFR 151.49(a).  
 Aviation alkylates (C8 paraffins and iso-paraffins b. pt. 95–120 deg. C)  
 Cycloheptane  
 Cyclohexane  
 Cyclopentane  
 p-Cymene  
 Ethyl cyclohexane  
 Heptane (all isomers)  
 Heptene (all isomers)  
 Hexane (all isomers)  
 Hexene (all isomers)  
 Isopropylcyclohexane (iso-Propylcyclohexane)  
 Methylcyclohexane  
 Nonane (all isomers)  
 Octane (all isomers)  
 Olefin mixtures (C5–C7)  
 Pentane (all isomers)  
 Pentene (all isomers)  
 1-Phenyl-1-xylyl ethane  
 iso-Propylcyclohexane (Isopropylcyclohexane)  
 Propylene dimer  
 Tetrahydronaphthalene  
 Toluene  
 Xylenes

- Pollution Category D—See also 33 CFR 151.49(b). Diisopropyl naphthalene  
 (b) Annex 7. *Substances not shipped in pure form but as components in mixtures.*  
 The IMO has recognized that many mixtures transported in bulk by water contain components that are themselves not shipped in bulk alone, and which are therefor neither identified in the IBC Code nor in the lists of Tripartite Agreements. To facilitate the classification of mixtures, such components are assigned pollution categories and ship types. Those products on which IMO has sufficient information to enable classification are:

Product name	Pollution category	Ship type
Borax .....	D	NA
Sodium nitrate .....	III	NA
Sodium nitrite (solid)	B	3
Tolyl Triazole .....	[C]	[3]
Nalco 5740S Antifoam.	[B]	[3]
Diphenylol propane ..	[B]	[3]
Poly(17+)olefin amine.	C	3

(c) Annex 10. *Lube-Oil additives*

Product name	Pollution category	Ship type
Alkaryl polyether (C9–C20).	B	3
Alkenyl (C11+) amide.	D	NA
Alkyl(C8+)amine, alkenyl (C12+) acid ester mixture.	D	NA
Alkyl dithiothiadiazole (C6–C24).	D	NA

Product name	Pollution category	Ship type
Aryl polyolefin (C11–C50).	D	NA
Calcium alkyl (C9) phenol sulfide, polyolefin phosphorosulfide mixture.	A	2
Calcium long chain alkaryl sulfonate (C11–C50).	D	NA
Calcium long chain alkyl phenate sulfide (C8–C40).	D	NA
Calcium long chain alkyl salicylate (C13+).	C	3
Calcium long chain phenolic amine (C8–C40).	III	NA
Long chain alkaryl polyether (C11–C20).	C	3
Long chain alkaryl sulfonic acid (C16–C60).	D	NA
Long chain alkylphenate/Phenol sulfide mixture.	III	NA
Magnesium long chain alkaryl sulfonate (C11–C50).	D	NA
Magnesium long chain alkyl salicylate (C11+).	C	3
Olefin/Alkyl ester copolymer (molecular weight 2000+).	D	NA
Oleylamine .....	C	3
Polyalkyl (C12–C20) methacrylate.	C	3
Polyether (molecular weight 2000+).	D	NA
Polyolefin (molecular weight 300+).	III	NA
Polyolefin amide alkeneamine (C28+).	D	NA
Polyolefin amide alkeneamine borate (C28–C250).	D	NA
Polyolefin amide alkeneamine molybdenum oxysulfide mixture.	III	NA
Polyolefin amide alkeneamine polyol.	D	NA
Polyolefin anhydride	D	NA
Polyolefin ester (C28–C250).	D	NA
Polyolefin phenolic amine (C28–C250).	D	NA
Polyolefin phosphorosulfide—Barium derivative (C28–C250).	C	3
Sulfohydrocarbon (C3–C88).	D	NA
Sulfohydrocarbon, long chain (C18+) alkylamine mixture.	B	3

Product name	Pollution category	Ship type
Zinc alkaryl dithiophosphate (C7-C16).	C	3
Zinc alkyl dithiophosphate (C3-C14).	B	3

**Note:** Since publication of MEPC/Circ.281/Rev.1, additional lube-oil additives may have been added to the list.

(d) Annex 11. *Hydrocarbon families in the IBC Code: Pollution Category and Ship type.*

Product name	Pollution category	Ship type
Alkanes (C6-C9) .....	C	3
n-Alkanes (C10+) .....	III	NA
iso- & cyclo-Alkanes (C10-C11).	D	NA
iso- & cyclo-Alkanes (C12+).	III	NA
Alkyl (C3-C4) benzenes.	A	3
Alkyl (C5-C8) benzenes.	A	2

Product name	Pollution category	Ship type
Alkyl(C9+)benzenes Poly(2+)cyclic aromatics.	III A	NA 2

*Potential for incompatible stowage between isocyanates and water solutions of chemical cargoes.*

The Coast Guard has been apprised of a potential for incompatible stowage of isocyanate cargoes, Group 12, adjacent to water solutions of other cargoes (chemicals). Currently, the stowage of isocyanate cargoes adjacent to a number of groups is prohibited, including cargoes listed in Group 43 (Miscellaneous Water Solutions). However, a "pure" chemical cargo may be assigned to a Compatibility Group not considered hazardous when stowed adjacent to isocyanates when in fact it could present a hazardous situation if it has a water content. Therefore, the Coast Guard is bringing to the attention of the shipping industry and other interested parties that due caution should be

exercised when stowing isocyanates adjacent to water solutions of other cargoes.

The Coast Guard is appreciative of the assistance it received in bringing this potentially hazardous situation to its attention. The Coast Guard is considering the initiation of a rulemaking to restrict stowage of isocyanate cargoes adjacent to water solutions of other cargoes when the "pure" chemical itself would not be so restricted.

3. *Name changes of current entries in the IMO Chemical Codes and Coast Guard regulations that the Coast Guard is planning to propose to the IMO.*

(a) Nonyl phenol poly(4-12)ethoxylate would be renamed Nonyl phenol poly(4+)ethoxylates.

(b) The isomers of butyl alcohol, all of which are now listed separately in the Codes would be included under a new generic entry, "Butyl alcohols (all isomers)".

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