

**DEPARTMENT OF TRANSPORTATION
UNITED STATES COAST GUARD**

U.S. COAST GUARD (G-MTH-3)
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NVIC 3-85
19 MAR 1985

NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 3-85

Subj: Bulk Liquid Cargo Finding Aid

1. PURPOSE. This Circular provides a reference source for identifying which regulations apply to the marine transportation of bulk liquid cargoes evaluated to date. Other pertinent information about the cargoes is also included.
2. DIRECTIVES AFFECTED. Navigation and Vessel Inspection Circular (NVIC) 4-81, and CH-1 to NVIC 4-81 are canceled.
3. SCOPE. This Circular is to be used strictly as a finding aid, and should not be used in any way as regulatory authority.
4. DISCUSSION.
 - a. Since the publication of CH-1 to NVIC 4-81, well over 100 new products have been evaluated and classified by the U.S. Coast Guard. These classifications involved cargoes transported by tankbarge, tankship, or both. Many commodities have been assigned an International Maritime Organization (IMO) reference cargo when carried by foreign flag vessels in U.S. waters. In addition, the Tenth Set of Amendments to the IMO Chemical Code (which incorporates many new products) and the International Bulk Chemical Code have been published.
 - b. The Finding Aid lists in tabular form commodity names and the applicable parts of the Code of Federal Regulations governing their movement in bulk. These chemical names are to be used on all documents identifying the shipping name of the cargo. Trade names are not to be used as the sole identifying names on these documents. If cargoes are being shipped or considered for bulk shipment but are not listed in this Circular, contact COMMANDANT (G-MTH-3). Also included as separate entries for each commodity are applicable international Codes, other U.S. regulations, and useful, but not regulatory, information. Past users of the Finding Aid will find this edition to have a revised column format. The index should be carefully checked while becoming familiar with this new format.
5. SOURCES. The sources of the regulations and information are:
 - a. U.S. Coast Guard:
 - (1) 33 CFR Part 126, Handling of Explosives or Other Dangerous Cargoes Within or Contiguous to Waterfront Facilities (Cargoes Of Particular Hazard (COPH)).

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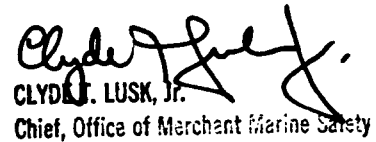
- (2) 33 CFR Part 161, Vessel Traffic Management (Certain Dangerous Cargoes (CDC)).
 - (3) 46 CFR Parts 30-40, Subchapter D - Tank Vessels (flammable and combustible cargoes).
 - (4) 46 CFR Part 150, Subchapter 0 - Compatibility of Cargoes and Operational Requirements for Bulk Liquid Hazardous Waste Cargoes (cargo compatibility groups).
 - (5) 46 CFR Part 151, Subchapter 0 - Unmanned Barges Carrying Certain Bulk Dangerous Cargoes.
 - (6) 46 CFR Part 153, Subchapter 0 - Safety Rules for Self-propelled Vessels Carrying Hazardous Liquids and, Appendix I - List of Cargoes Not Regulated Under Part 151, Part 153 or Subchapter D.
 - (7) 46 CFR Part 154, Subchapter 0 - Safety Standards for Self-propelled Vessels Carrying Bulk Liquefied Gases.
 - (8) 46 CFR Part 154a, Subchapter 0 - Special Interim Regulations for Issuance of Letters of Compliance to Barges and Existing Liquefied Gas Vessels (Annex cargoes).
 - (9) The Chemical Hazards Response Information System (CHRIS).
- b. U.S. Environmental Protection Agency: 40 CFR Part 302, Designation, Reportable Quantities, and Notification (EPA's pollution category).
- c. International Maritime Organization (IMO):
- (1) Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO Chemical Code), Resolution A. 212 (VII) including the 10th Set of Amendments.
 - (2) International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (International Chemical Code), Resolution MSC. 4(48), 1983 Amendments to the International Convention for the Safety of Life at Sea, 1974 (SOLAS), Volume II.
 - (3) Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IMO Gas Code for new ships), Resolution A. 328 (Ix) including 4 sets of amendments.
 - (4) Code for Existing Ships Carrying Liquefied Gases in Bulk (IMO Gas Code for existing ships), including 4 sets of amendments.
 - (5) International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (International Gas Carrier Code), 1983 Amendments to

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the International Convention for the Safety of Life at Sea, 1974 (SOLAS),
Volume III.

- (6) International Convention for the Prevention of Pollution from Ships, 1973 (MARPOL) - Annex II, Noxious Liquid Substances (IMO's pollution category), and the Proposed Amendment to Annex II.

6. Comments Desired. Comments, additional information, corrections or suggestions for improving this Finding Aid should be sent to COMMANDANT (G-MTH-3), U.S. Coast Guard, Washington, D.C. 20593.


CLYDE J. LUSK, JR.
Chief, Office of Merchant Marine Safety

End: (1) Bulk Liquid Cargo Finding Aid

Non-Standard Distribution:

- C:e Baltimore (45); Alameda (40); Port Arthur, Honolulu, Puget Sound (35); Miami, Mobile, Long Beach (25); Norfolk, Jacksonville, Portland OR (20); Boston, Portland ME, Charleston, Anchorage (15); Cleveland (12); Cincinnati, Louisville, Memphis, Nashville, Paducah, Pittsburg, St. Louis, Savannah, San Juan, Tampa, Galveston, Buffalo, Chicago, Detroit, Duluth, Milwaukee, San Diego, Juneau, Valdez (10) Providence, Huntington, Wilmington, Corpus Christi, Toledo (5).
- C:m New Orleans (140); New York (70); Philadelphia (35); Houston (25); St. Ignace (5); Sturgeon Bay (4).
- D:1 CG Liaison Officer MILSEALIFTCOMD M-65 STRAT MOB, CG Liaison Officer JUSMAGPHIL (1).

ZTC-68

BULK LIQUID CARGO FINDING AID

MARINE TECHNICAL and HAZARDOUS MATERIALS DIVISION

U.S. COAST GUARD

U.S. DEPARTMENT OF TRANSPORTATION

INDEX to the BULK LIQUID CARGO FINDING AID

Column	Comment	Column	Comment
(COPH)	Cargo Of Particular Hazard, 33 CFR 126.	I.	IMO Gas Code. NS New Ship code. B Both new ship and existing ship codes.
A.	46 CFR 150, Cargo Compatibility. (1) Unassigned in the Compatibility Guide. For assistance call G-MTH-3, 202/426-1577. (2) Additional stowage criteria apply, see Appendix I - Exceptions to the Chart, 46 CFR 150.	J.	IMO Pollution Category, Annex II, MARPOL 73/78. A, B, C, & D Pollution categories. @ Indicates either; a. Pollution category rating is highest rating of several isomers not listed separately in this NVIC, or b. Pollution category rating is for a substance similar to a commodity listed in this NVIC.
B.	46 CFR 30-40, Subchapter D (Table 30.25-1).	K.	IMO Pollution Category, Annex II, MARPOL 73/78, proposed revision. A, B, C, & D Pollution categories. 3 Appendix III substances. @ See same in Column J above.
C.	Flammability/Combustibility Grade, 46 CFR 30.10-15, and 46 CFR 30.10-22. A, B, & C Flammable liquid. D, & E Combustible liquid. LFG Liquefied Flammable Gas. LCG Liquefied Compressed Gas.	L.	EPA Pollution Category, 40 CFR 302. X, A, B, C, & D Pollution categories. @ See same in Column J above.
D.	46 CFR 151, Subchapter O, Table 151.05 (tankbarges).	M.	CHRIS Code (principle Code). See also Remarks column for related CHRIS Codes.
E.	46 CFR 153, Subchapter O. I Table I (tankships). U "Unregulated", Appendix I. # Certain Dangerous Cargoes (CDC), 33 CFR 161. Note: CDC also includes all commodities (cargoes) listed in Table I.	Remarks.	Related, and isomeric CHRIS Codes. Isomer Codes are listed generally in the order: iso-, n-, sec-, tert-; meta-, ortho-, para-. Other pertinent information.
F.	46 CFR 154, Subchapter O, Table 4 (gas ships).	Notes:	Y Yes, included/regulated by. N No, not included/regulated by. P Proposed for inclusion.
G.	46 CFR 154a, Subchapter O (Annex cargoes). A Annex A, Letter Of Compliance (LOC) required. B Annex B, Letter Of Compliance (LOC) not required. X Not presently authorized for carriage in U.S. Waters in bulk.		
H.	IMO Chemical Code, and International Bulk Chemical Code Y Commodities (cargoes) to which the Codes apply, Chapter VI/17 (as appropriate). N Commodities (cargoes) to which the Codes do not apply, Chapter VII/18 (as appropriate).		

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Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
ACETALDEHYDE	(COPH) 19	A		Y	Y	Y	A		B	C			C AAD	
ACETIC ACID	4		D	Y	I		A	Y		C	C		D AAC	
ACETIC ANHYDRIDE	11		D	Y	I		A	Y		C	C		D ACA	
ACETONE	18	Y	C				B	N		D	3		D ACT	
ACETONE CYANOHYDRIN (stabilized)	0 (2)		E	Y	I		A	Y		A	A		A ACY	
ACETONITRILE	37		C	Y	I		A	Y			3		D ATN	
ACETOPHENONE	18	Y	E				PB				D		D ACP	
ACETYL TRIBUTYL CITRATE	34	Y	E				PB							
ACROLEIN (inhibited)	19		C				X			A	A	X	ARL	
ACRYLAMIDE Solution (50% or less)	10				PI		PA	Y		@D	@D		AAM	
ACRYLIC ACID (inhibited)	4		D	P	I		A	Y		C	D		D ACR	
ACRYLONITRILE (inhibited)	15 (2)		C	Y	I		A	Y		B	B		B ACN	
ADIPONITRILE	37		E	Y	I		A	Y		D	D		ADN	
ALCOHOLS (mixed)	20	Y	D				PB							
ALKENYLSUCCINIC ACID		Y	E				PB							
ALKENYLSUCCINIC ANHYDRIDE		Y	E				PB							
ALKYL(C9-C15) BENZENES	(2)						PB	PN		D				
ALKYL BENZENE SULFONIC ACID					I		PA	Y		C			ABS	
ALKYL BENZENE SULFONIC ACID (4% or less)		Y					PB			@C			ABS	
ALKYLENEAMINE							PB							
IMO Ref: Polyethylene polyamines													A AE	
ALKYL PHOSPHORUS ACID ESTER		P	E											
n-ALKYL PHTHALATES	34	Y					PB							
ALKYL SUCCINATE FORMALDEHYDE HYDROXY AMINO CONDENSATE (If it does not exceed 3.2% of total volume)	15	Y	C	Y	I		A	Y		B	B		B ALA	
ALLYL ALCOHOL														
ALLYL CHLORIDE	(COPH) 15		B	Y	I		A	Y		C	B		C ALC	
2-(2-AMINOETHOXY)ETHANOL	8		E	Y	I		PA	Y		D			AEX	
AMINOETHYLETHANOLAMINE	8		E	Y	I		A	Y		D			AEE	
N-AMINOETHYLPIPERAZINE	7			PI			PA	Y					AEP	
2-AMINO-2-METHYL-1-PROPANOL (90% or less)	8		E		PI		PA						APR	
IMO Ref: Aminoethylethanolamine														
AMMONIA, anhydrous	(COPH) 6		LCG	Y	Y		A		B	C	B		AMA	46 CFR 98
AMMONIUM BISULFITE Solution (50% or less)	43 (2)			P									ASU	
AMMONIUM HYDROXIDE (28% or less Ammonia)	6			Y	I		A	Y		B	C	@C	AMH	
AMMONIUM NITRATE Solution (34% or less)					U		PB			@D			AMN	
AMMONIUM NITRATE Solution (45% or less)					PU		PB			@D			AMN	
AMMONIUM NITRATE Solution (93% or less)					PI		PA	Y		@D		ANR	AMN	
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
AMMONIUM NITRATE, UREA Solution (more than 2% Ammonia)	6			P	I		PA				D		UAS	
AMMONIUM NITRATE, UREA Solution (2% or less Ammonia)	43				U		PB	N			D		ANU	APP
AMMONIUM PHOSPHATE Solution					U		PB							
AMMONIUM PHOSPHATE, UREA Solutions	43				U		PB	N			D			
AMMONIUM POLYPHOSPHATE Solution														
AMMONIUM SULFATE Solution (20% or less)	43				U		PB			@D				AMS
AMMONIUM SULFIDE Solution (45% or less)														
IMO Ref: (mono) Ethylamine Solution (72% or less), w/ modifications.	5	A		PI			PA	PY					ASS	
AMMONIUM THIOSULFATE Solution (60% or less)							PB							
(iso-, n-) AMYL ACETATE	34	Y	D				B	N		C	C	D		IAT/AML/AAS/AYA
AMYL ACETATE, Commercial								N		@D	AEC			
sec-AMYL ACETATE								N			D	AAS		
iso-AMYL ALCOHOL	20							N			D		IAA	
n-AMYL ALCOHOL	20	Y	D				B	N		D	D		AAN	
(sec-, tert-, & primary) AMYL ALCOHOL								N		@D				
AMYLENE	30	Y	A				PB	N		@C				
tert-AMYLENE								N		C			AMZ	
AMYL METHYL KETONE	18	Y					PB						AMK	
AMYL TALLATE	34	Y					PB							
ANILINE	9													
APPLE JUICE														
Arachis oil														
ARGON, liquid														
AROMATIC sec-AMINE (in oil)														
ASPHALT	33	Y					B						ASP	
ASPHALT BLENDING STOCKS, ROOFERS FLUX	33	Y					PB						ARF	
ASPHALT BLENDING STOCKS, STRAIGHT RUN RESIDUE	33	Y					PB						ASR	
BARIUM CARBOXYLATE (in oil)														
BARIUM SULFONATE (in oil)	20	P	E											
BEHENYL ALCOHOL	32	Y	E											
BENZENE														
BENZENE, HYDROCARBON Mixtures (10% Benzene or more)	32						PA	Y					@C BHB	
BENZENE, HYDROCARBON Mixtures (containing Acetylenes) (having 10% Benzene or more)													@C BHA	
BENZENESULFONYL CHLORIDE	0 (2)						PA	Y					B BSC	
BENZENE, TOLUENE, XYLENE (having 10% Benzene or more)														
IMO Ref: Benzene, Hydrocarbon mix., cont. Benzene	32		B/C	Y			A						BTX	
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

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Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
BENZYL ALCOHOL	21	Y	E	P	I	PB	N	N	D	C	BAL			
BENZYL CHLORIDE (stabilized)	36	Y	E	P	I	PA	Y	Y	B	B	BCL			
BICYCLIC TERPENEL POLYAMINE AMIDE SALT	(COPH)					PB								
BUTADIENE (inhibited)	30	LFG	Y	Y	#	Y	A	B			BDI			
BUTADIENE, BUTENE Mixtures (cont. Acetylenes)	30										BBM			
BUTANES	(COPH)													
BUTANE, PROPANE Mixtures	31	Y	LFG	#	Y	A	B	B			BMX	IBT/BUT		
BUTENE	(COPH)													
BUTYL ACETATE	30	Y	LFG	#	Y	A	B	B			BTN	IBL		
(iso-, n-) BUTYL ACRYLATE (inhibited)	34	Y	D			B	N		D	@C	D	IBA/BCN/BTA/BYA		
	14		D	Y	I	A	Y		D	D	D	BAR	BAL/BTC	
BUTYL ALCOHOL (all isomers)	20	Y	D/E	Y	I	B	N	N	@D	3 @D		IAL/BAN/BAS/BAT		
BUTYLAMINE (all isomers)	7		C/D			A	Y		C	C	BTY	IAM/BAM/BTL/BUA		
BUTYL BENZYL PHTHALATE	34	Y	E			B	N		B	B	BPH			
BUTYLENE	30	Y												
1,3-BUTYLENE GLYCOL	20 (2)	Y	E			B	N	D	D					
BUTYLENE OXIDE	(COPH)													
IMO Ref: Propylene oxide, w/ modifications.	16		C	#		A					BTO			
BUTYLENE POLYGLYCOL	41	Y	D	I		PA	Y		@C		BTE			
n-BUTYL ETHER														
BUTYL FORMATE	34	P		P		PB	N		@D		BFN	BFI		
iso-BUTYL FORMATE	34					PB			D		BFI			
BUTYL HEPTYL KETONE	18	Y	E			PB								
BUTYL METHACRYLATE (inhibited)	14	Y	D	Y	I	PA	Y	D	D		BMH	BMI/BMN		
BUTYL METHACRYLATE, DECYL METHACRYLATE, CETYL EICOSYL METHACRYLATE Mixture (inhibited)	14			I		PA	Y				DER			
BUTYL METHYL KETONE		Y				B								
BUTYL STEARATE		Y	E			PB								
BUTYL TOLUENE		Y				PB								
(iso-, n-, & crude) BUTYRALDEHYDE	19		C	Y	I	A	Y	@B	@B	B	BAE	BAD/BTR/BFA="crude"		
BUTYRIC ACID	4			PI	PA	PY		@B	D	BRA				
IMO Ref: Propionic acid, w/ modifications.														
gamma-BUTYROLACTONE	0 (2)	Y	E			PB	N	D	BLA					
C-5 Mixture (15% or more Isoprene) (inhibited)														
IMO Ref: Isoprene				P	PI	PA					CFV			
CALCIUM ALKYLPHENATE		Y				PB								
CALCIUM ALKYL SALICYLATE		Y	E			PB	N	D	CAK					
CALCIUM AMINO NONYL PHENOLATE		Y				PB								
CALCIUM BROMIDE Solutions	43			U		PB	PN							
CALCIUM CARBOXYLATE		Y				PB								
CALCIUM CHLORIDE Solutions	43			U		PB	PN	D	CLC					
CALCIUM NAPHTHENATE, MINERAL OIL Mixture						PB	PN							

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
F. Gas ship														
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BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
CALCIUM SULFONATE (in oil)		P	E											
CALCIUM SULFONATE, CALCIUM CARBONATE, Hydrocarbon Solvents Mixtures	33		D		Y	I	PB							
CAMPOR OIL	18						A	Y		B	B		CPO	
CAPROLACTAM Solutions	22	Y	E				PB	PN		@D			CLS	
CARBOLIC OIL	21		E		Y	I	A	Y		A			CBO	
Carbon bisulfide							PB							
CARBON BLACK BASE	33	Y			Y		PA						CDO	
CARBON DIOXIDE, liquid					Y	I	A	Y		A	A	PB	CBB	
CARBON DISULFIDE (COPH)	38		B		Y	I								
CARBON TETRACHLORIDE	36				Y	I	A	Y		B	@B	D	CBT	
CASHEW NUT SHELL OIL (untreated)	4						PA	Y		D			OCN	
CAUSTIC POTASH Solution	5 (2)				Y	I	A	Y		C	@C	@C	CPS	
CAUSTIC SODA Solution	5 (2)				Y	I	A			@C	@C	@C	CSS	
Cerechlor S52 See CHLORINATED PARAFFIN C10-C30														
CETYL ALCOHOL (Hexadecanol)		Y				PI	PB						CEM	
CETYL EICOSYL METHACRYLATE (inhibited)	14	Y					PB							
CETYL STEARYL ALCOHOL							PB							
CHEMICAL WASTES (mixture of chlorinated hydrocarbons and caustic materials)					Y								CWC	
CHLORINATED PARAFFIN, C-10 to C-30														
IMO Ref: Methylene chloride							PA						CLH	
CHLORINE					Y	#	X	NS		A			CLX	
Bulk carriage permitted on unmanned barges only.	0 (1)													
CHLOROACETIC ACID (80% or less)							PI	PA	PY	@C	@C		CHM	CHL/MCA
IMO Ref: Oleum, w/ modifications.	4													
CHLOROBENZENE (mono-)	36		D		Y	I	A	Y		B	B		B	CRB
CHLORODIFLUOROMETHANE (mono-)	36		LCG		Y		A						MCF	
2-CHLORO-4-ETHYLAMINO-6-ISOPROPYLAMINO-5-TRIAZINE Sol.					U		PB							
CHLOROFORM	36		E		Y	I	A	Y		B	@B	D	CRF	
CHLOROHYDRINS (crude)			D		Y	I	A	Y		D	D		CHD	
2-CHLORONITROBENZENE	42									@B			CNO/CNP	
CHLOROPRENE (inhibited)					I		PA			C			CRP	
2- or 3-CHLOROPROPIONIC ACID					I		PA	Y		@C			CPM	CLA/CLP
CHLOROSULFONIC ACID	0 (1)				Y	I	A	Y		C	C		C	CSA
(m-, o-, p-) CHLOROTOLUENE	36				PI		PA	Y		@B	@A		CHI	CTM/CTO/CRN
CHOLINE CHLORIDE Solutions	20				U		PB							
CLEANING SPIRIT (unleaded)		Y					PB							
CORN SYRUP	43		E		Y	I	PA	Y		A	@A	X	CCW	CSY
CREOSOTE	21												CCT/CWP	
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
CRESOLS														
CRESYLATE SPENT CAUSTIC	See also CRESYLIC ACID													
IMO Ref: Sodium hydroxide (Caustic soda) solution	21	E		Y	I	A	Y	A	Y	A	C	CRS	CRL/CSL/CSO	
CRESYLIC ACID	5			Y	PI	PA								CSC
See also CRESOL	21	E			P	PA				A	@A	C	CRY	
CRESYLIC ACID TAR	21													CRX
CROTONALDEHYDE	19													
CRUDE HYDROCARBON FEEDSTOCKS (cont. Ethyl ether (less than 10%), Butyraldehydes, and Ethylpropyl acrolein)		C		Y	I	A	Y	B	B	B	B	CTA		
CRUDE HYDROCARBON FEEDSTOCKS (cont. Ethyl ether (10-20%) Butyraldehydes, and Ethylpropyl acrolein)														CHE CHF
														CHF CHE
CUMENE	32	Y	D											
CYCLOALIPHATIC RESINS	31	Y												
CYCLOHEXANE	31	Y	C											
CYCLOHEXANE OXIDATION PRODUCT ACID WATER, 50% solution	4													
CYCLOHEXANOL	20	Y	E											
CYCLOHEXANONE	18													
CYCLOHEXANONE, CYCLOHEXANOL Mixture	18 (2)													
IMO Ref: Cyclohexanone	7													
CYCLOHEXYLAMINE	30	Y	E											
CYCLOPENTADIENE POLYMERS														
CYCLOPENTADIENE, STYRENE, BENZENE Mixture	30													
para-CYME	32	Y	D											
(iso-, n-) DECALDEHYDE	19	Y	E											
DECANE	31	Y												
DECENE	30	Y												
(iso-, n-) DECYL ACRYLATE (inhibited)	14													
iso-DECYL ACRYLATE (inhibited)	14													
n-DECYL ACRYLATE (inhibited)	14													
(iso-, n-) DECYL ALCOHOL	20	Y	E											
n-DECYL BENZENE	32	Y												
DECYL OCTYL ALCOHOL														
DE Monomer Mix. See BUTYL-, DECYL-, CETYL EICOSYL METH.														
DETERGENT ALKYLATE	43	Y	E											
DEXTROSE SOLUTION	20	Y	E											
DIACETONE ALCOHOL														
DIAMMONIUM SALT of ZINC EDTA Solution	43													
DIBASIC ESTERS Mixtures	34	Y	E											
DIBUTYLAMINE	7													
DIBUTYL CARBINOL		Y	D											
DIBUTYL ETHER														
See n-BUTYL ETHER														
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I=Tankship														
U="Unreg."														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
ortho-DIBUTYL PHTHALATE	34	Y	E	P	I	PB	N			@B @A	DPA			DBM/DBO/DBP
DICHLOROBENZENE	36									A @A	B	D	DCF	
DICHLORODIFLUOROMETHANE	36					Y	A					B	C	DCH
1,1-DICHLOROETHANE	36			P	I	PA	Y					B		
1,2-DICHLOROETHANE														
See ETHYLENE DICHLORIDE														
2,2'-DICHLOROETHYL ETHER	41		D	Y	I	A	Y			B @B	@X	DEE		
2,2'-DICHLOROISOPROPYL ETHER	36				PI	PA	Y			B		DCI		
DICHLOROMETHANE	36			Y	I	PA	Y			B	D	@C	DCM	
2,4-DICHLOROPHENOL	21				PI	PA	Y			A	B	DCP		
1,1-, 1,2-, or 1,3-DICHLOROPROPANE	36			Y	I	PA				@B	C	DPX	DPB/DPP/DPC/DPL	
1,2-DICHLOROPROPANE	36					PA	Y					C	DPP	
1,3-DICHLOROPROPANE	36					PA	Y			B	B	DMX	DPC	
DICHLOROPROPANE, DICHLOROPROPENE Mixtures	15				PI	PA	Y			B	B	DMX	DPC	
1,3-DICHLOROPROPENE	15		D	Y	I	PA	Y			B	B	DPS	DPF/DPU	
2,2-DICHLOROPROPIONIC ACID	4				PI	PA	Y			D	D	DCN		
DICYCLOPENTADIENE	30	Y	D			B	N			3		DPT		
DIETHANOLAMINE	8		E	Y	I	A	Y			3		DEA		
DIETHANOLAMINE SALT of 2,4-DICHLOROPHENOXYACETIC ACID Solution	43			P	PI	PA	PY					DZZ		
IMO Ref: Diethanolamine, w/ modifications.														
DIETHYLAMINE	7		C	Y	I	A	Y			C	C	PB	DEN	
DIETHYLBENZENE	32	Y	D			B	N			@C	@C	DEB		
DIETHYLENE GLYCOL	40	Y	E			B	N			3		DEG		
DIETHYLENE GLYCOL DIETHYL ETHER		Y				PB	N			3		DME		
DIETHYLENE GLYCOL MONOBUTYL ETHER	40	Y	E			B	N			3		DME		
DIETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	34	Y				PB	N			D		DEM		
DIETHYLENE GLYCOL MONOETHYL ETHER	40	Y	E			B	N			C	3	DGE		
DIETHYLENE GLYCOL MONOETHYL ETHER ACETATE		Y				PB	N			D		DGE		
DIETHYLENE GLYCOL MONOMETHYL ETHER	40	Y	E			PB	N			C		DGM		
DIETHYLENE GLYCOL MONOMETHYL ETHER ACETATE		Y				PB	N			C		DGM		
DIETHYLENE GLYCOL MONOPHENYL ETHER	40	Y				PB	N			D		DGM		
DIETHYLENETRIAMINE	7	Y	E	Y	I	PA	Y			C	D	DET		
DIETHYLETHANOLAMINE	8				I	PA	Y			C	D	DAE		
DIETHYL ETHER	41					PB	PN			Y	B	3	EET	
DI-2-ETHYLHEXYL ADIPATE						PB	PN			D				
DI-(2-ETHYLHEXYL)PHOSPHORIC ACID						PI	PA	Y				DEP		
DI-(ETHYLHEXYL)PHTHALATE	34	Y				PB				3		DPH		
DIETHYL PHTHALATE		Y				PB						DSU		
DIETHYL SULFATE	34			PI		PA	Y			B		BDE	BPA	
DIGLYCIDYL ETHER of BISPHENOL A	41	Y				PB	PN							
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility		F. Gas ship			I. IMO Gas Code									L. EPA Pollution
B. Subchapter D		G. Annex's			J. IMO Pollution									M. CHRIS Code
C. Flam./Combust.		H. IMO Chem. Code			K. IMO Pollution									
D. Tank barge														
E. I-Tankship														
U-"Unreg."														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
DIHEPTYL PHTHALATE	34	Y					PB	PN			C		DHP	
DI-n-HEXYL ADIPATE	34	P	E				PB							
DIHEXYL PHTHALATE	7	Y	E	Y	I		PA	Y			C		DBU	
DIISOBUTYLAMINE	20	Y	E				B						DBC	
DIISOBUTYL CARBINOL														
DIISOBUTYLENE	30	Y	C				PB	N		D	C		DBL	
DIISOBUTYL KETONE	18	Y	D				B	N		D			DIK	
DIISOBUTYL PHTHALATE		Y					PB	N		B			DIT	
DIISODECYL PHTHALATE	34	Y	E				PB	PN		D			DID	
DIISONONYL ADIPATE	34	P	E				PB							
DIISONONYL PHTHALATE	34	Y	E				PB							
DIISOCTYL PHTHALATE	34	Y	E				PB	N		D			DIO	
DIISOPROPANOLAMINE	8		E	Y	I		A	Y		C	C		DIP	
DIISOPROPYLAMINE	7		C	Y	I		A	Y		C	C		DIA	
DIISOPROPYL BENZENE	32	Y					PB	PN						
DIISOPROPYL NAPHTHALENE	32	P	E				PB	PN		@B			DII	
DIMETHYL ACETAMIDE	10		E	P			PA			B			DAC	
IMO Ref: Benzene, w/ modifications.	34	P					PB							
DIMETHYL ADIPATE														
(COPH)	7		LFG	Y	Y		Y		B	@C	C		C DMA DMC/DMG/DMY	
DIMETHYLAMINE							PI	PA					DMG	
DIMETHYLAMINE (40% or less)							PI	PA	Y	@C			DMY	
Solution (cont. 1% or less Dimethylamine)							PI	PA	Y				DMC	
DIMETHYLAMINE Solution, 45% or less	7													
DIMETHYLAMINE Solution, greater than 45%, less than 55%	7													
DIMETHYLAMINE Solution, greater than 55%, less than 65%	7													
DIMETHYLAMINE Solution, greater than 65%	7													
DIMETHYLAMINE SALT of 2,4-DICHLOROPHENOXACETIC ACID														
Solution (cont. 1% or less Dimethylamine)														
IMO Ref: 1,1,2-Trichloroethane, w/ modifications.	0 (2)						PA						DSX	
2-((2-(DIMETHYLAMINO)ETHYL)-METHYLAMINO)ETHANOLAMINE														
IMO Ref: Di-n-propylamine, w/ modifications.	8 (2)	E												
DIMETHYL AMMONIUM-2,4-DICHLOROPHENOXACETATE														
Solution (70% or less)														
IMO Ref: Methylene chloride	0	Y		P	PI		PA			@C			DDA	
DIMETHYL BENZENE							PB							
DIMETHYLCYCLOSILOXANE HYDROLYZATE (70% or less)	34	P												
See also XYLENE														
N,N-DIMETHYLCYCLOHEXYLAMINE	7						PA	Y					DXN	
DIMETHYLETHANOLAMINE	8						PA	Y		C	D		DMB	
Dimethyl formal														
DIMETHYLFORMAMIDE	10						A	Y		D	D		DMF	
DIMETHYL FURAN	41													

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
DIMETHYL GLUTARATE	34	P			PI		PB	PA	PY				DPI	
DIMETHYL HYDROGEN PHOSPHITE	34 (2)							PB					DPI	
2,2-DIMETHYLOCTANOIC ACID	4	P	E					PB	N				DPI	
DIMETHYL PHTHALATE	34	Y	E					PB					D DTL	
DIMETHYL POLYSILOXANE	34	P	E					PB					DMP	
2,2-DIMETHYLPROPANE-1,3-DIOL	20	Y						PB						
DIMETHYL SUCCINATE	34	P						PB						
DINITRILES (crude)				P										
DINONYL PHTHALATE	34	Y						PB	PN		D			
DI-(OCTYLPHENYL)AMINE		Y	E					PB						
DIOCTYL PHTHALATE	34	Y	E					B	N		3	D	DOP	
See also DI (2-ETHYLHEXYL)PHTHALATE														
DIOLEFIN STREAM (containing 20% Benzene) (inhib.)	41		C	Y	I			A	Y	C	D	X	DOX	
1,4-DIOXANE	30	Y						PB	N				DPN	
DIPENTENE		Y						B					DIL	
DIPHENYL														
DIPHENYL, DIPHENYL OXIDE Mixtures	33	Y	E					PB	N	D	A	DDO	DTH	
DIPHENYL ETHER		Y	E								B	DPE		
DIPHENYLMETHANE DIISOCYANATE	12		E		P	I		A	Y		B	DPM		
DIPHENYL OXIDE, DIPHENYL PHENYL ETHER Mixture	41	P	E					PB						
DI-n-PROPYLAMINE	7		C	Y	PI			PA	Y		C	D	DNA	
DIPROPYLENE GLYCOL	40	Y	E					B	N	3		DPG		
DIPROPYLENE GLYCOL DIBENZOATE	34	P	E					PB						
DIPROPYLENE GLYCOL MONOMETHYL ETHER	33	Y						PB	N	D				
DISTILLATES, FLASHED FEED STOCKS	33	Y						PB					DDF	
DISTILLATES, STRAIGHT RUN		Y						PB					DSR	
DIUNDECYL PHTHALATE	34	Y						PB		D			DUP	
DODECANE	31	Y						PB		D				
DODECANOL	20	Y						PB	N	B			DDN	LAL
DODECENE	30	Y	D					PB	PN	C			DOD	DDC for 1-
DODECYLAMINE, TETRADECYLAMINE Mixture														
IMO Ref: Dimethylethanamine	7 (2)							PA					DTA	
DODECYLBENZENE	32	Y	E					B	N	C	C		DDB	
See also DETERGENT ALKYLATE													DOS	
DODECYL DIPHENYL OXIDE DISULFONATE Solution	43				I			PA	Y				DDM	
DODECYL METHACRYLATE (inhibited)	14				PI			PA	Y				DDP	
DODECYL, PENTADECYL METHACRYLATE Mixture (inhibited)	14	E			PI			PA	Y				DOL	
DODECYL PHENOL	21	Y						PB	N	A				
EPICHLOROHYDRIN	17													
(COPH)			D	Y	I			A	Y	B	C	C	EPC	
EPOXYLATED LINEAR ALCOHOLS, C11-C15		Y						PB						
EPOXY RESIN	18													
ETHANE	31	Y	LFG		#	Y	A	B					ETH	
ETHANOLAMINE (mono-)	8	E	Y	I				A	Y	D	D		MEA	
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
U="Unreg."														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID C. J FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
ETHOXYETHANOL		Y					PB	N		D		EEA		EOD/ENP/EOP/EOT/ETD
ETHOXYETHYL ACETATE	20	Y					PB	N				ETG		
ETHOXYLATED ALCOHOLS, C11-C15	40	Y	E				B	N		D	D	D	ETA	
ETHOXY TRIGLYCOL (crude)	34	Y	C											
ETHYL ACETATE														
ETHYL ACETOACETATE	34	P	E				PB	N				EAA		
ETHYL ACRYLATE (inhibited)	14		C	Y	I		A	Y		D	B	C	EAC	
ETHYL ALCOHOL	20	Y	C				B	N		3		EAL		
ETHYLAMINE (mono-)	7		A				Y	A-Y	B		C	PB	EAM	EAN
ETHYLAMINE Solution (70% or less)	7					PI	PA	Y				EAN		
ETHYLAMINE Solution (72% or less) (mono-)	7		A	Y			PA	Y						
ETHYL AMYL KETONE		Y					PB	N		C	C	C	ETB	
ETHYL BENZENE	32	Y	C				B	N		C			EBT	
ETHYL BUTANOL	20	Y	D				PA			@C		EBA		EBA
N-ETHYL-n-BUTYLAMINE	7		Y	PI			PA	Y		@C				
N-ETHYLBUTYLAMINE														
ETHYL BUTYRATE	34	P					Y	A		B			EBR	
ETHYL CHLORIDE	36		A	Y			PA	N		D	D		ECL	
ETHYL CYCLOHEXANE	7	Y		Y	PI		PA	Y			D		ECY	
N-ETHYL CYCLOHEXYLAMINE	(COPH) 30	Y	LFG		#		Y	A		B			ECC	
ETHYLENE													ETL	
Ethylene amine E-100		Y					PB	N		3				
ETHYLENE CARBONATE	20		D	P	I		PA	Y		D	C		ECH	
ETHYLENE CHLOROHYDRIN	20		E	Y	I		A	Y		D	D		ETC	
ETHYLENE CYANOHYDRIN	7 (2)		D	Y	I		A	Y		C	C	D	EDA	EMX
ETHYLENEDIAMINE														
ETHYLENE DIBROMIDE	36		E	Y	I		A	Y		B	C		EDB	
ETHYLENE DICHLORIDE	36		C	Y	I		A	Y		B @B	D		EDC	
ETHYLENE GLYCOL	20	Y	E				PB	N		3			EGL	
ETHYLENE GLYCOL DIACETATE		Y					PB	N					EGY	
ETHYLENE GLYCOL BUTYL ETHER		Y					PB	N						
ETHYLENE GLYCOL MONOBUTYL ETHER	40	Y	E				B	N		D			EGM	
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	34	Y					PB	N		D			EMA	
ETHYLENE GLYCOL MONOETHYL ETHER	40	Y	Y	D			B			D	D		EGE	
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	34	Y	Y	D			PB			C			EGA	
ETHYLENE GLYCOL MONOISOPROPYL ETHER	40	Y	Y	D			PB							
ETHYLENE GLYCOL MONOMETHYL ETHER	40	Y	Y	D			B	N		D			EME	
ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	40	Y					PB	N		D				
ETHYLENE GLYCOL PHENYL ETHER	40	Y	E				PB	N		D				

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
ETHYLENE OXIDE (30% or less), PROPYLENE OXIDE Mixture	(COPH)	0 (1)	A	Y	#	Y	A	NS				X	EOX	
ETHYLENE OXIDE, w/ modifications (Gas Code)		16			PI	P	PA	PY	B				EPM	
ETHYLENE, PROPYLENE COPOLYMER (in liquid mixtures)			Y	E	PU		PB				3			
ETHYLENE, VINYL ACETATE COPOLYMER EMULSION (in water)		43												
ETHYLENE, VINYL ACETATE POLYMER (in aromatic naphtha)			P	D			PB							
ETHYLENIMINE			B	B	X		X					X	ETI	
ETHYL ETHER	See DIETHYL ETHER (COPH)	41	A	Y	I	A	A			D @3		B	EET	
ETHYLHEXALDEHYDE	See also OCTYL ALDEHYDE	19	Y			PB	PB	N					EHA	
ETHYLHEXANOIC ACID	See also 2-ETHYLHEXOIC ACID		Y			PB	PB			D				
2-ETHYLHEXANOL	See also OCTYL ALCOHOL	20	Y	E		B	B			C @C			EHX	
2-ETHYLHEXOIC ACID	See also ETHYLHEXANOIC ACID	4				PB	PB							
2-ETHYLHEXYL ACRYLATE (inhibited)		14	Y	E	I	I	A	Y		D			EAI	
2-ETHYL HEXYLAMINE		7			I	I	PA	Y		B			EHM	
ETHYL HEXYL PHTHALATE			Y			PB	PB							
ETHYL HEXYL TALLATE		34	Y	E		B	B						EHT	
ETHYLIDENE NORBORNENE (inhibited)		30 (2)	D		Y	PI	PA	Y		B			ENB	
ETHYL METHACRYLATE (inhibited)		14		P	I		PA	Y		D		C	ETM	
2-ETHYL-6-METHYL-N-(1'-METHYL-2-METHOXYETHYL)ANILINE														
IMO Ref: Adiponitrile		9				PA	PA						EEM	
ETHYL PROPIONATE		34	P	E	Y	I	A	Y		B			EPR	
2-ETHYL-3-PROPYLACROLEIN		19											EPA	
ETHYL TOLUENE		32	Y			PB	PN			B			ETE	
FATTY ACID AMIDES		33	Y	D		PB	PB							
FERRIC CHLORIDE Solutions				Y						@C @C	FCS	FCL		
FORMALDEHYDE, METHANOL Mixtures														
(Formaldehyde greater than 50%, in Methanol)						PI	PA						MTM	
IMO Ref: Formaldehyde Sol. 45%, w/ modifications.		19 (2)												
FORMALDEHYDE Solutions (37-50%)		19	D/E	Y	I	A	Y			C @C @C	FMS	FMS		
IMO Ref: Formaldehyde Sol. 45%										@C	C			
FORMALDEHYDE Solutions, 45% or less														
FORMAMIDE		10	Y			PB	N			3		FAM		
FORMIC ACID		4												
Fuming sulfuric acid			E	Y	I	A	Y			D	D	FMA		
FURFURAL	See OLEUM	19	E	Y	I	A	Y			C	D	FFA		
FURFURYL ALCOHOL		20	Y	E		B	N			C	C	FAL		
GAS OIL, cracked		33	Y			PB	PB					GOC		
GASOLINE BLENDING STOCK, ALKYLATES		33	Y			PB	PB					GAK		
GASOLINE BLENDING STOCK, REFORMATES		33	Y			PB	PB					GRF		

BULK LIQUID CARGO FINDING AID

Commodity		A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
GASOLINES:															
AROMATIC	(Use Benzene carriage req.)				P										GAR
AUTOMOTIVE (cont. not over 4.23 grams lead per gal.)		33	Y	C											GAT
AVIATION (cont. not over 4.86 grams lead per gal.)		33	Y												GAV
CASINGHEAD (natural)		33	Y												GCS
POLYMER		33	Y												GPL
STRAIGHT RUN		33	Y												GSR
GLUCOSE Solution															
GLUTARALDEHYDE Solution (50% or less)		19			U										PB
GLYCERINE	See also GLYCEROL	20	Y	E	P	PI									PA
GLYCEROL	See also GLYCERINE	34	Y												B
GLYCERYL TRIACETATE			Y												N
GLYCIDYL ESTER of TERTIARY CARBOXYLIC ACID		34	Y												D
GLYCIDYL ESTER of VERSATIC ACID		34	Y												3
GLYCOL DIACETATE	See also ETHYLENE GLYCOL DIACETATE	33	Y												@3
GLYCOLS, RESINS, and SOLVENTS Mixture			Y												GCR
GLYCOL TRIACETATE			Y												GCR
GLYOXAL Solutions (40% or less)															
GREASE		19	Y												GTA
HEAVY AROMATICS			Y												GCR
HEPTADECANE		31	Y	C											GCR
HEPTANE			Y												
n-HEPTANOIC ACID		4	Y												
HEPTANOL		20	Y												
1-HEPTENE		30	Y												
HERBICIDE (C15-H22-NO2-Cl)		33	Y												
Hexadecanol	See CETYL ALCOHOL														GOS
HEXAETHYLENE GLYCOL															
HEXAMETHYLENEDIAMINE ADIPATE		7	Y												
HEXAMETHYLENEDIAMINE Solution			Y												
HEXAMETHYLENE GLYCOL		7													
HEXAMETHYLENETETRAMINE															
HEXAMETHYLENIMINE		7													
HEXANE		31	Y												
HEXANOL		20	Y												
HEXENE		30	Y												
HEXYL ACETATE	See also METHYL AMYL ACETATE		Y												
HEXYLENE GLYCOL		20	Y												
HOG GREASE		1	Y												
HYDROCHLORIC ACID		1													
HYDROCHLORIC ACID, Spent (15% or less)															
Commodity															
A.	Compatibility	D.	Tank barge												
B.	Subchapter	D.	I-Tankship												
C.	Flam./Combust.	E.	U="Unreg."												
F.	Gas ship														
G.	Annex's														
H.	IMO Chem. Code														
I.	IMO Gas Code														
J.	IMO Pollution														
K.	IMO Pollution														
L.	EPA Pollution														
M.	CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
HYDROFLUORIC ACID	1									@B	C	B	HFA	
HYDROFLUOSILICIC ACID (25% or less)	1				Y	PA							HFS	
HYDROGEN		LFG				X							HXX	
HYDROGEN CHLORIDE						X							HDC	
HYDROGEN FLUORIDE						X							HFX	
HYDROGEN PEROXIDE Solutions (over 8%, but not over 60%)	0 (1)				PI	PA	PY			@C	@C			HPN/HPS/HPO
HYDROGEN PEROXIDE Solutions (over 60%, but not over 70%)	(1)				PI	PA	Y				B		HAI	
2-HYDROXYETHYL ACRYLATE (inhibited)	0 (2)	E		Y	I	A	Y							
INDUSTRIAL WASTE (containing Dimethylsulfide, Methyl mercaptan, and Methomyl)	32	C		Y									INW	
ISOPHORONE	18	Y	E			B	N	D	D	D	D	D	IPH	
ISOPHORONE DIAMINE		E			I	PA	Y						IPI	
ISOPHORONE DIISOCYANATE					I	PA	Y						IPD	
ISOPRENE (inhibited)	30	A		Y	I	A	Y	B	D	C	PB	IPR		
iso- LOOK UNDER PARENT COMPOUND														
JET FUELS:														
JP-1 (Kerosene)	33	Y				B							JPO	
JP-3	33	Y				B							JPT	
JP-4	33	Y				B							JPF	
JP-5 (Kerosene, heavy)	33	Y				B							JPV	
KAOLIN CLAY SLURRY	43				U	PB								
KEROSENE See also JET FUEL, JP-1 or OIL, FUEL NO. 1	33	Y	D			B							KRS	
KETONE RESIDUE (mixed ketones)	18	P	E			PB								
KRAFT BLACK LIQUOR (Caustic soda, 1% or less)	5	Y			PU	PB	N	D	D				LTA	
LACTIC ACID														
LARD		Y				PB				3			LLS	
LATEX, LIQUID SYNTHETIC	43	Y				PB				@D				
LIGNIN LIQUOR (Calcium lignosulfonate solution)	43				U	PB							LNG	
LIQUEFIED NATURAL GAS	31		LFG										LPG	
LIQUEFIED PETROLEUM GAS	31		LFG											
MAGNESIUM ALKYL SALICYLATE (in oil)		P	E											
MAGNESIUM CHLORIDE Solution	0 (2)				U	PB								
MAGNESIUM HYDROXIDE, WATER SUSPENSIONS					U	PB								
MAGNESIUM NONYL PHENOL SULFIDE	33	Y	E			PB								
MAGNESIUM SULFONATE		Y				PB								
MALEIC ANHYDRIDE	11				PI	PA	Y			D	D	MLA		
MALEIC ANHYDRIDE COPOLYMER	33	Y	E			PB								
MAPP Gas														
2-MERCAPTOBENZOTHAZOLE (in liquid mixtures)		Y	E			PB							MBT	
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
F. U="Unreg."														
G. Annex's														
H. IMO Chem. Code														
I. IMO Pollution														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
MESITYL OXIDE	18		D		I	PA	Y	PA	Y	C	D		MSO	
METHACRYLIC ACID (inhibited)	4		E		I	PA	Y	PA	Y	D			MAD	
METHACRYLONITRILE	15				PI	PA	Y	PA	Y	B			MET	
Methaform														
METHANE	31	Y	LFG		#	Y	A		B				MTH	
See FORMALDEHYDE in METHANOL Solutions														
See LNG (COPH)														
METHOXY TRIGLYCOL	40	Y	E			PB				D			MTG	
METHYL ACETATE	34	Y	D			B	N			D	3		MTT	
METHYL ACETOACETATE	34	Y				PB								
METHYL ACETYLENE, PROPADIENE Mixture	30		LFG	Y	#	Y	PA	Y	B				MAP	
METHYL ACRYLATE (inhibited)	14		C	Y	I	A				C	C		MAM	
METHYL ALCOHOL	20	Y	C			B	N			3	D	MAL		
METHYLAMINE (anhydrous)	7			P							B	MTA		
METHYLAMINE Solutions (42% or less)	7			P	PI	PA	Y			C		MSZ		
METHYLAMINE Solutions (42% or less)	34					B	N			C		MAC		
METHYL AMYL ACETATE	20	Y	D			PB	N			D	C	MAA		
See also METHYLISOBUTYL CARBINOL														
METHYL AMYL ALCOHOL	18	Y			Y	#	Y	A	NS		C	MAK		
See also AMYL METHYL KETONE												C	MTB	
METHYL BROMIDE	36	Y				PB				D		MBE		
METHYL BUTANOL	41 (2)	Y	C			PB	N							
METHYL tert-BUTYL ETHER	19													
3-METHYL BUTYRALDEHYDE														
METHYL BUTYRATE	34	P	LFG	Y	#	Y	A		B				MBU	
METHYL CHLORIDE	36									X	Y	B @D	C	
Methyl chloroform														
METHYLCYCLOPENTADIENYL MANGANESE TRICARBONYL														
See 1,1,1-TRICHLOROETHANE														
See DICHLOROMETHANE														
METHYLENE CHLORIDE														
4,4'-METHYLENEDIANILINE (43% or less), POLYMETHYLENE														
POLYPHENYLAMINE, o-DICHLOROENZENE Mixture	9					PA	Y						MDB	
IMO Ref: Chlorohydrins, crude w/ modifications.	9				PI	PA	Y						MEN	
2-METHYL-6-ETHYL ANILINE	18	Y	C			B	N						MEK	
METHYL ETHYL KETONE														
2-METHYL-5-ETHYL PYRIDINE	9				Y	I	A	Y		B	B		MEP	
METHYL FORMAL (Dimethyl formal)	41					B							MTF	
METHYL FORMATE	34	Y			I	PA	Y			D			MFM	
METHYL HEPTYL KETONE	18	Y				PB							MHK	
2-METHYL-2-HYDROXY-3-BUTYNE	20				PI	PA	Y						MHB	
METHYL ISOBUTYL CARBINOL	20	Y	D			PB				D			MIC	
METHYL ISOBUTYL KETONE	18	Y	C		Y	I				D	D		MIK	
METHYL METHACRYLATE (inhibited)	14					PA	Y			D	C	MMM		
3-METHYL-3-METHOXY BUTANOL						PB	PN							
3-METHYL-3-METHOXY BUTYL ACETATE						PB	PN							
METHYL NAPHTHALENE	32	Y				PB				A			MNA	

Commodity

Remarks

A. Compatibility
 B. Subchapter D
 C. Flam./Combust.

F. Gas ship
 G. Annex's
 H. IMO Chem. Code

I. IMO Gas Code
 J. IMO Pollution
 K. IMO Pollution

L. EPA Pollution
 M. CHRIS Code

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
METHYLOUREAS (20% free Formaldehyde) IMO Ref: Formaldehyde Sol. 45% METHYL PENTENE	19	Y			PI	PA	PB	N		D	C		MUS MPN	
2-METHYLPYRIDINE	9		D	Y	PI	PA	Y			B	D	MPR	MPE/MPF	
3-METHYLPYRIDINE	9				PI	PA	PY					MPE	MPR/MPF	
IMO Ref: 2-Methylpyridine	9				PI	PA	PY			B		MPF	MPE/MPR	
4-METHYLPYRIDINE	9													
N-METHYL PYRROLIDONE	9	Y				PB	N			B		MPY		
alpha-METHYL STYRENE (inhibited)	30		D	Y	I	PA	Y			D	A	MSR		
MINERAL SPIRITS	33	Y	D			B						MNS		
MOLASSES	20				U	B	N			3				
mono- LOOK UNDER PARENT COMPOUND														
MONOCHLORODIFLUOROMETHANE	36		LCG	Y	Y	A						MCF		
MORPHOLINE	7		D	Y	I	A	Y			C	D	MPL		
MOTOR FUEL ANTIKNOCK COMPOUNDS CONTAINING LEAD ALKYL	0 (1)		D/E	Y	I	A	Y			@A	@A	PA	MFA	
(COPH)														
NAPHTHA: AROMATIC (10% or less Benzene) COAL TAR CRACKING FRACTION HEAVY	33 33 (2)	Y Y Y	D B		I PB PB	B PA PB	Y Y Y					NCT		
PARAFFINIC PETROLEUM SOLVENT	33 33 33	Y Y Y			PB B B	B N N						PTN NSV		
STODDARD SOLVENT	33	Y	C		B							NSS NVM		
VARNISH MAKERS' and PAINTERS' (75%)														
NAPHTHALENE (molten)	32				I	A	Y			A	A	B	NTM	
NAPHTHENIC ACID	4	Y			PB	A				A	A	B	NTI	
NITRIC ACID (70% or less)	3			Y	I	A	Y			@C	@C	NCD		
NITRIC ACID (greater than 70%)	0 (1)				X	Y				@C	@C	NAC		
NITROBENZENE (mono-)	42		E	Y	I	A	Y			C	B	C	NTB	
ortho-NITROCHLOROBENZENE	42				PI	A	Y			@B		CNO	CNP	
NITROGEN (liquid)		P			Y	A	B					NXX		
Nitrogen dioxide														
NITROGEN TETROXIDE														
ortho-NITROPHENOL (molten)	0 (2)				I	A	Y			@A	NOX			
										B	B	NTP	NIP/NPH	
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I=Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

[illegible]

BULK LIQUID CARGO FINDING AID

Commodity	A B C D E F G H I J K L M													Remarks
	A	B	C	D	E	F	G	H	I	J	K	L	M	
EDIBLE OILS, including:														
BABASSU	34	Y					PB							
BEECHNUT		Y					PB							
CASTOR	34	Y	E				B			D		OCA		
COCOA BUTTER		Y					PB							
COCONUT	34	Y					PB			D		OCC		
COCONUT, METHYL ESTER	34	Y					PB							
COCONUT OIL, esterified		Y					PB							
COCONUT OIL FATTY ACID		Y					PB							
COD LIVER		Y					PB			D				
CORN		Y					PB			D				
COTTON SEED	34	Y	E				B			D		OCS		
COTTON SEED FATTY ACID	34	Y					PB							
FISH	34	Y					PB							
GRAPESEED		Y					PB					OFS		
See also RAISIN SEED OIL														
GROUNDNUT		Y					PB							
HAZELNUT		Y					PB							
LARD		Y					PB							
MAIZE	34	Y					PB					OLD		
MUSTARD SEED		Y					PB							
See also CORN OIL														
NUTMEG BUTTER		Y					PB							
OLIVE	34	Y	E				B			D		OOL		
PALM	34	Y					PB			D		OPM		
PEANUT	34	Y	E				B					OPN		
POPPY		Y					PB							
See also GROUNDNUT OIL														
RAISIN SEED		Y					PB							
RAPESEED	34	Y					PB							
RICE BRAN	34	Y					PB			D				
SAFFLOWER	34	Y					PB			D		OSF		
SALAD		Y					PB							
SESAME		Y					PB							
SOYA BEAN	34	Y	E				B			D		OSB	EVO	
SOYBEAN (epoxidized)	40	Y					PB			D				
SUNFLOWER SEED	34	Y					PB							
TUCUM	34	Y					PB					OTC		
VEGETABLE		Y					B							
WALNUT	34	Y					PB					OVC		

Commodity	A B C D E F G H I J K L M													Remarks
	A	B	C	D	E	F	G	H	I	J	K	L	M	
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I=Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
FUEL OILS:														
No. 1 (Kerosene)	33	Y					B						OON	
No. 1-D	33	Y					B						OOD	
No. 2	33	Y					B						OTW	
	See also DIESEL OIL													
No. 2-D	33	Y					B						OTD	
No. 4	33	Y					B						OFR	
No. 5	33	Y					B						OFV	
No. 6	33	Y	E				B						OSX	
MISCELLANEOUS OILS, including:														
ABSORPTION	33	Y					B						OAS	
ALIPHATIC	33	Y	E				PB							
AROMATIC (5% or less Benzene)	33	Y	E				PB							
COAL TAR	33	Y					B						OCT	
GAS, low pour		Y					PB							
GAS, low sulphur		Y					PB							
HEARTCUT DISTILLATE	33	Y	D				PB							
LANOLIN		Y					PB							
LINSEED	33	Y					PB				D		OLS	
LUBRICATING	33	Y					B						OLB	
MINERAL	33	Y					B						OMN	
MINERAL SEAL	33	Y					B						OMS	
MOTOR	33	Y					B						OMT	
NEATFOOT	33	Y	E				B						ONF	
OITICICA	34	Y					PB						OPT	
PENETRATING	33	Y					B							
PERILLA		Y					PB							
PILCHARD		Y					PB							
PINE		Y					PB							
RANGE	33	Y					PB						ORG	
RESIN	33	Y					B						ORS	
RESINOUS PETROLEUM	33	Y					PB						ORN	
ROSIN	33	Y	E				B							
SEAL	34	Y					PB							
SOAPSTOCK	34	Y					PB						OSP	
SPERM	33	Y	E				B						OSD	
SPINDLE	33	Y					B						OSY	
SPRAY	33	Y					B	N					OTL	
TALL	34	Y	E				B							
TALL, FATTY ACID	34	Y					PB							
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
MISCELLANEOUS OILS, including (cont):														
TANNER'S	33	Y				B							OTN	
TUNG	34	Y				PB				D				
TURBINE	33	Y				B							OTB	
WHALE		Y				PB								
WHITE (mineral)	33	Y				PB								
WOOD		Y				PB								
Oleamide	30													
alpha-OLEFINS (C6-C18)						PB PN				@C				
OLEIC ACID	4	Y	E			PB PN				D			OLA	
OLEUM	0 (1,2)				Y	A	Y			C			OLM	
OLEYL ALCOHOL (Octadecenol)		Y				PB				3				
ORGANIC AMINE 70 (mixture of high molecular weight alcohol amines)		Y				PB								
OXYALKYLATED ALKYL PHENOL FORMALDEHYDE	33	P	D			X							OXY	
OXYGEN						PB PN				D				
n-PARAFFINS (C-10 to C-20)														
PARALDEHYDE						PA	Y			C			C PDH	
PENTACHLOROETHANE	36				P	PA	Y			B			X PCE	
PENTADECANOL	20	Y				PB							PDC	
1,3-PENTADIENE (inhibited)	30				Y	PA	Y			C			B PDI PDN	
1,4-PENTADIENE													PDN	
IMO Ref: Isoprene														
PENTAETHYLENE GLYCOL		Y				PB								
PENTAETHYLENE HEXAMINE														
IMO Ref: Triethylenetetramine														
PENTAETHYLENEPENTAMINE Mixture	7					PA				@C			PEH	
(iso-, n-) PENTANE	31	Y	A			PB	N						PEP	
PENTASODIUM SALT of DIETHYLENETRIAMINE PENTAACETIC ACID Solution	43													
1-PENTENE	30	Y			U	PB PN				D			PTE	
PENTENE, MISCELLANEOUS HYDROCARBON Mixture	30 (2)	P	C			PB N				C				
3-PENTENENITRILE	37		D	P									PNT	
PENTYL ALDEHYDE	19													
PERCHLOROETHYLENE	36				Y	I	PA			B @B @X			PER	
PETROLATUM	33	Y	D			B	N						PTL	
PHENOL	21		E	Y	I	A	Y			B			C PHN	
PHENOLATED OILS													PHO	
IMO Ref: Coal tar naphtha														
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
1-PHENYL-1-XYLYL ETHANE	32	P	E		Y	I	PB	PN		D	D	D	PAC	
PHOSPHORIC ACID	1				Y	#	A	Y		A	@A	X		PPW/PPR/PPB
PHOSPHORUS (elemental)	0 (1)				Y		X			D	C	PPT		
PHOSPHORUS TRICHLORIDE								Y		@A	A	X	PPW	PPR/PPB
PHOSPHORUS (yellow, or white)														
PHOSPHOSULFURIZED BICYCLIC TERPENE		Y					B							
PHTHALATE PLASTICIZERS		Y			Y	I	A	Y		C	C	D	PAN	
PHTHALIC ANHYDRIDE (molten)	11		E		Y	I								
Picoline	30	Y					PB	N		A		PIN		
PINENE														
POLYALKENYL SUCCINIC ANHYDRIDE AMINE	33	Y					PB							
POLYAMINE, AMIDE Mixture		Y					B							
POLYBUTADIENE, HYDROXYL TERMINATED	20	P	E				PB							
POLYBUTENE	30	Y	E				B	PN		3		PLB		
POLYDIMETHYLSILOXANE	34													
POLYETHYLENE GLYCOLS	40	Y					PB							
POLYETHYLENE GLYCOL MONOALKYL ETHER					Y	I	PA	Y		@C		PEB		
POLYETHYLENE POLYAMINES	7	Y					PB							
POLYISOBUTYLENE		Y					PB							
POLYMERIZED ESTERS														
POLYMETHYLENE POLYPHENYL ISOCYANATE	12		E		Y	I	A	Y		D		PPI		
POLYMETHYLSILOXANE	34													
POLYPROPYLENE	30	Y					PB					PLP		
POLYPROPYLENE GLYCOLS	40	Y					PB	N		D		PGC		
POLYPROPYLENE GLYCOL METHYL ETHER	40	Y	E				B					PGM		
POLYSTYRENE DIALKYL MALEATE		Y	E				B							
PROPANE	31	Y	LFG		#	Y	A	Y	B			PRP		
iso-PROPANOLAMINE (mono-)	8		E		Y	I	PA	Y		C		MPA	PLA/PRM	
n-PROPANOLAMINE			E			I	X	Y		C		PLA	PRM	
beta-PROPIOLACTONE										B	D	PLT		
PROPIONALDEHYDE	19		C		I	A	A	Y		D	D	PAD		
PROPIONIC ACID	4		D		Y	I	A	Y		D	D	PNA		
PROPIONIC ANHYDRIDE	11		E		I	A	A	Y		D	C	PAH		
PROPIONITRILE	37				PI	PA	Y			PCN		IAC/PAT		
(iso-, n-) PROPYL ACETATE	34	Y	C			B	N		@C	@D				
(iso-, n-) PROPYL ALCOHOL	20	Y	C			B	N		@D	@D		IPA/PAL		
iso-PROPYLAMINE	7		A		Y	I	A	Y	B		C	IPP	IFO/PRA	
n-PROPYLAMINE			B		I	A	Y			C	C	D	PRA	IFO/IPP
PROPYL BENZENE	7	Y					PB							
iso-Propyl benzene														
See CUMENE														
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
PROPYLENE (COPH)	30	Y	LFG,		#	Y	A		B				PPL	
PROPYLENE BUTYLENE POLYMER	30	Y					PB						PBP	
PROPYLENE GLYCOL	20	Y	E				B	N		3			PPG	
PROPYLENE GLYCOL MONOETHYL ETHER		Y					B	N		D				
PROPYLENE GLYCOL MONOMETHYL ETHER		Y					B	N		D			PME	
PROPYLENE OXIDE (COPH)	16			A	Y	I	A	Y	B	D	B	POX		
PROPYLENE POLYMER (in liquid mixtures)		Y					PB							
PROPYLENE TETRAMER	30	Y					B	N		3		PTT		
PROPYLENE TRIMER		Y					B	N		3				
iso-PROPYL ETHER (inhibited)	41		A		I		PA	Y				IPE		
iso-Propyl toluene														
PSEUDOCUMENE	32	Y	D	Y	I		B			B	X	PRD		TME
PYRIDINE	9		C				A	Y						
PYRIDINE BASES													PRB	
IMO Ref: 4-Methylpyridine, w/ modification	9													
See para-CYMENE														
See also 1,2,4-TRIMETHYLBENZENE	32													
PYROLYSIS GASOLINE (containing more than 5% Benzene)	33												GPY	
IMO Ref: Benzene, Hydrocarbon mix., cont. Benzene	33												PRF	
PYROLYSIS RESIDUAL FUELS														
REFRIGERANT GASES:														
DICHLORODIFLUOROMETHANE (See also)		Y				Y			B				RFG	
DICHLOROMONOFUOROMETHANE										D	DCF		DFM	
DICHLOROTETRAFLUOROMETHANE													DTE	
(mono)CHLORODIFLUOROMETHANE (See also)													MCF	
(mono)CHLOROTETRAFLUOROETHANE													MTE	
(mono)CHLOROTRIFLUOROMETHANE													MCM	
RUM	20	Y											SAL	
SALICYLALDEHYDE	19						B							
SEWAGE SLUDGE	43						PA							
SILICON TETRACHLORIDE							U							
IMO Ref: Chlorosulfonic acid, w/ modifications.														
SLUDGE														
(Stable, non-corrosive, non-toxic, and non-flammable.)		Y	E											
SODIUM ACETATE, GLYCOL Solutions														
SODIUM BOROHYDRIDE (15% or less), SODIUM	5						PA	Y		C			SBX	SBH/SBI
HYDROXIDE Solution							PU	B						
SODIUM BROMATE Solution														
SODIUM CARBONATE Solutions	5						U							
SODIUM CHLORATE Solution (50% or less)	0 (2)					Y	PI	PA	Y				SDD	SDC
SODIUM CYANIDE Solution (30% or less)	5						PA			3	@A	SCS	SCN	
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
SODIUM DICHROMATE Solution (70% or less)	0 (2)			P	PI	PA	PA	Y		@C	B		SDL	SCR
SODIUM DIMETHYL NAPHTHALENE SULFONATE Solution	34 (2)					PB								
SODIUM HYDROSULFIDE, AMMONIUM SULFIDE Solution														
IMO Ref: (mono) Ethylamine solution (72% or less) w/ modifications.		A			PI	PA	PA	PY					SSA	
SODIUM HYDROSULFIDE Solution (45% or less)	5		C		I	PA	PA	Y		@C	B	B @D	SHR	SHD
SODIUM HYDROXIDE Solution See CAUSTIC SODA Solution								Y				C @C		SHC
SODIUM HYPOCHLORITE Solution (15% or less)	5				I	PA	PA	Y				C @B	SHP	SHC
SODIUM LIGNO SULFONATES, SODIUM HYDROXIDE (not exceeding 1% by weight) Solution					U	PB								
SODIUM 2-MERCAPTOBENZOTHIASOL Solution	5				PI	PA	PA	Y					SMB	
SODIUM N-METHYLDITHIOCARBAMATE Solution (33% or less)	7					PA							SMD	
IMO Ref: Morpholine, w/ modifications.					U									
SODIUM NAPHTHENATE Solutions (free alkali, 3% or less)	43 (2)				U									
SODIUM POLYACRYLATE Solution														
SODIUM SALT of FERRIC HYDROXYETHYLETHYLENEDIAMINE	43				P	PI							STA	
TRIACETIC ACID Solution	43 (2)				U						D		SSC	SDS
SODIUM SILICATE Solution					P					@B				
SODIUM SULFIDE Solutions														
SODIUM SULFIDE, HYDROSULFIDE Solution (H2S greater than 200 ppm)	0 (1)				Y								SSJ	SSH/SSI/SSJ
SODIUM SULFIDE, HYDROSULFIDE Solution (H2S greater than 15 ppm, less than 200 ppm)					Y								SSI	
SODIUM SULFIDE, HYDROSULFIDE Solution (H2S, 15 ppm or less)					Y								SSH	
SODIUM SULFONATE		Y				PB								
SODIUM THIOCYANATE Solution	0				P	PI	PA						STS	SCY
IMO Ref: Cresols, w/ modifications.	20		E		U		B			@3			SBT	
SORBITOL Solutions	4	Y				PB							SRA	
STEARIC ACID														
STEARYL ALCOHOL		Y				PB				@3				
STODDARD SOLVENT	33	Y	D			PB							NSS	
STYRENE (monomer) (inhibited)	30	P	E	Y	I	A	Y			C	B	C	STY	
SUBSTITUTED PHENOL (in oil)	39	Y				PB	N			3			SFL	
SULFOLANE														
SULFUR (molten)	0 (1)		E	Y	I	A	Y			3			SXX	
SULFUR DIOXIDE				Y	#	Y	PA	NS					SFD	
SULFURIC ACID	2 (2)			Y	I	A	Y			C	C		SFA	
SULFURIC ACID, Spent	2			Y	Y					C			SAC	

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I=Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
SULFURIZED ALIPHATIC ALCOHOL		P	E											
SULFURIZED ALKYL PHENOL (in oil)		P	E											
SULFURIZED C4-C8 OLEFIN (in oil)		P	E											
SULFURIZED C4-C8 OLEFIN (in oil) (30% or less)		P	D											
SULFURIZED C4-C8 OLEFIN (in oil) (31% or more)		P	E											
SULFURIZED C6-C10 OLEFIN (in oil)														
TALLOW	34	Y	D				B			D	D		TLO	
TALLOW FATTY ACID	34 (1)	P	E				PB							
TALLOW FATTY ALCOHOL	20	Y					PB						TFA	
TALLOW NITRILE	37	Y	E				PB							
Telone														
See 1,3-DICHLOROPROPENE														
1,1,2,2-TETRACHLOROETHANE	36			P	I		PA	Y				B	X	TEC
1,1,2,2-TETRACHLOROETHYLENE							PY			@B		B	X	
See PERCHLOROETHYLENE														
TETRADECANOL	20	Y					PB					3	TTN	
TETRADECENE	30	Y					PB					3	TTD	
TETRADECYLBENZENE	32	Y					PB						TDB	
TETRAETHYLENE GLYCOL	40	Y	E				B						TTG	
TETRAETHYLENEPENTAMINE	7		E				A	Y				D	TTT	
See MOTOR FUEL ANTIKNOCK COMPOUNDS												A	PA	TEL
Tetraethyl lead	41		C	P	I		PA	Y				D	D	THF
TETRAHYDROFURAN (stabilized)							B	N				C	C	THN
TETRAHYDRONAPHTHALENE	32	Y	E											
Tetramethyl lead												A	A	TML
See MOTOR FUEL ANTIKNOCK COMPOUNDS														
TETRAPROPYL BENZENE		Y					PB							
TETRASODIUM SALT of EDTA Solution	43				U		PB	PN						
TITANIUM TETRACHLORIDE														
IMO Ref: Unassigned. Min. carriage req. proposed.	2						PA			D	D		TTT	
TOLUENE	32	Y	C				B	N		C	C	C	TOL	
TOLUENEDIAMINE	9						PA	Y				C	X	TDA
TOLUENE DIISOCYANATE	12		E	Y	I		A	Y		B	C	B	TDI	
TOLUENE DIISOCYANATE, DIPHENYLMETHANE														
DIISOCYANATE Mixtures														
IMO Ref: Toluene diisocyanate													TDD	
o-TOLUIDINE	9		E				PI					C	TLI	
TRIARYLPHOSPHATE	34	Y	E				PB							
TRIBUTYL PHOSPHATE	34	P	E				PB	N					TBP	
1,2,4-TRICHLOROBENZENE	36		E				PI					B	B	TCE
1,1,1-TRICHLOROETHANE	36						U			@C	B	C	TCE	
1,1,2-TRICHLOROETHANE	36						I			@C	B	X	TCM	
TRICHLOROETHYLENE	36			Y	I		Y	Y		B	B	C	TCL	
1,2,3-TRICHLOROPROPANE	36			Y	PI		Y	Y		B	B	TCN		
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	36			U			U							
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
U="Unreg."														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
TRICKESYL (TRITOLYL) PHOSPHATE (containing less than 1% of the ortho isomer)		Y						PB	N	@B	A		TCP	
TRICKESYL (TRITOLYL) PHOSPHATE (containing 1% or more of the ortho isomer)						I		PA	Y	@B	A		TCO	
TRIDECANE	34	Y						PB						
TRIDECANOIC ACID		Y						PB						
TRIDECANOL	20	Y	E					B	N		3		TDN	
TRIDECENE	30	Y	E					PB			3		TDC	
TRIDECYLBENZENE	32	Y						PB						
TRIETHANOLAMINE	8		E	Y	I			A	Y	D	D		TEA	
TRIETHYLAMINE	7		C	Y	I			A	Y	C	C	D	TEN	
TRIETHYL BENZENE	32	Y	E					B	N		A		TEB	
TRIETHYLENE GLYCOL	40	Y	E					B	N		3		TEG	
TRIETHYLENE GLYCOL BUTYL ETHER Mixture	40	P	E					PB	PN		3			
TRIETHYLENE GLYCOL DIETHYL BUTYRATE		Y						PB						
TRIETHYLENE GLYCOL ETHER Mixture	40	P	E					PB						
TRIETHYLENE GLYCOL MONOMETHYL ETHER		Y						PB						
TRIETHYLENETETRAMINE	7	Y	E	Y	I			A	Y		C		TET	
TRIETHYL PHOSPHATE	34	Y	E					PB			D			
TRIETHYL PHOSPHITE	34 (2)					PI		PA	PY				TPI	
TRISOOCTYL TRIMELLITATE	34 (2)	Y			Y			PB			D		TIP	
TRISOPROPANOLAMINE	8							PB	N					
TRISOPROPANOLAMINE SALT of 2,4-DICHLORO-PHENOXACETIC ACID Solution	43					P	PI	PA	PY				TSA	
IMO Ref: Aminoethylethanolamine, w/ modifications.														
TRIMETHYLACETIC ACID														
TRIMETHYL BENZENE	32	Y	E			PI		PA	Y	C	B		TAA	TMD/TME/TMB
See also PSEUDOCUMENE								PB					TME	
See also PSEUDOCUMENE									N					
1,2,4-TRIMETHYL BENZENE		P	D					PA	Y		D		THA	
TRIMETHYL BENZENE, XYLENE, para-ETHYL TOLUENE Mixture						PI		PA	Y		D		THI	
2,2,4- and 2,4,4-TRIMETHYLHEXAMETHYLENE DIAMINE								PA	Y		B		TMP	
2,2,4- and 2,4,4-TRIMETHYLHEXAMETHYLENE DIISOCYANATE	34	Y	E			PI		PB	PN	@C			TPP	
2,2,4-TRIMETHYL PENTANEDIOL-1,3-DIISOBUTYRATE								PB						
2,2,4-TRIMETHYL-1,3-PENTANEDIOL-1-ISOBUTYLATE	34	Y	E			PI		PA	Y				TGC	
2,2,4-TRIMETHYL-3-PENTANOL-1-ISOBUTYRATE														
TRIMETHYL PHOSPHITE														
TRIPROPYLENE	30	Y						PB			3			
See also PROPYLENE TRIMER								PB	N		D			
TRIPROPYLENE GLYCOL	40	Y	E					PB						
TRIPROPYLENE GLYCOL MONOMETHYL ETHER	40	Y				P	PI							
TRISODIUM NITRILOTRIACETATE Solution	34													

Commodity

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I=Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														

BULK LIQUID CARGO FINDING AID

Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
TRISODIUM SALT OF N-HYDROXYETHYLETHYLENEDIAMINE														
TRIACETIC ACID Solution	43				U		PB	PN						
See TRICRESYL PHOSPHATE		Y					PB	N		A				TRP
TRITOLYL phosphate		Y	D				B	N		B	B			TPT
TRIXYLONYPHOSPHATE	30													
TURPENTINE														
TURPENTINE SUBSTITUTE (White spirit)		Y					PB							
See also UNDECYL ALCOHOL	20	Y					PB	PN		B				UND
UNDECANOL	30	Y					PB			B				UDC
See also UNDECANOL								PN						
UNDECYL ALCOHOL		Y					PB							UDB
UNDECYLBENZENE	32													
UREA Solutions					U		PB							URE
UREA, AMMONIUM NITRATE Solution (more than 2% Ammonia)	6			P	I		PA							UAS
UREA, AMMONIUM NITRATE Solution (2% or less Ammonia)	43			U	U		PB			D				ANU
UREA, AMMONIUM PHOSPHATE Solutions				U						D				
UREA, AMMONIUM Solution, containing aqua Ammonia								Y		C				UAS
(iso-, n-) VALERALDEHYDE	19		C	P	I		PA	Y		@C				VAK IVA/VAL
VANILLIN BLACK LIQUOR	5			PY										VBL
VINYL ACETATE (inhibited)	13		C	Y	I		A	Y		C	C	D		VAM
VINYL ACETATE, FUMARATE COPOLYMER	34	Y	D/E				PB							
VINYL CHLORIDE (inhibited)	35		LFG	Y	#	Y	A		B			X	VCM	46 CFR 40
VINYL ETHYL ETHER (inhibited)	13				I		PA	Y	B	C				VEE
VINYLIDENE CHLORIDE (inhibited)	35		A	Y	I		A	Y	B	B	D			VCI
VINYL NEODECANATE (inhibited)	13		E		I		PA	Y						VND
VINYL TOLUENE (inhibited)	13		D	P	I		A	Y						VNT
WATER					U									
WAXES:														
CANDELILLA		Y					PB							
CARNAUBA	34	Y	E				B							WCA
PARAFFIN	31	Y	E				B	N		3				WPF
PETROLEUM		Y					PB							
WHITE SPIRIT		Y					PB	N		@B				WSP
See also TURPENTINE SUBSTITUTE		Y					PB			B				
WHITE SPIRIT, low aromatic		Y					PB	N		3				
WINE		Y					PB							
WOOL GREASE		Y					PB							
(m-, o-, p-) XYLENE	32	Y	D				B	N	@C	C	C	XLX	XLX/XLO/XLP	
See also DIMETHYL BENZENE														
XYLENE, ETHYL BENZENE Mixtures		P												
XYLENOLS					I		PA	Y		B	C	XYL		
ZINC BROMIDE, CALCIUM BROMIDE Solution	43	Y	D/E		U		B					ZDP		
ZINC DIALKYLDITHIOPHOSPHATE														
Commodity	A	B	C	D	E	F	G	H	I	J	K	L	M	Remarks
A. Compatibility														
B. Subchapter D														
C. Flam./Combust.														
D. Tank barge														
E. I-Tankship														
F. Gas ship														
G. Annex's														
H. IMO Chem. Code														
I. IMO Gas Code														
J. IMO Pollution														
K. IMO Pollution														
L. EPA Pollution														
M. CHRIS Code														