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INTERNATIONAL CONFERENCE ON
MARINE POLLUTION, 1973

Committee III

Agenda item 3

CONSIDERATION OF THE DRAFT TEXT OF ANNEX II OF THE
INTERNATIONAL CONVENTION FOR THE PREVENTION OF
POLLUTION FROM SHIPS, 1973

Report of the Working Group

Attached are Appendices II and III, as revised by the Working Group.

APPENDIX II

LIST OF NOXIOUS LIQUID SUBSTANCES
CARRIED IN BULK

Substance	UN Number	Pollution Category for operational discharge (see Reg. 3 of Annex II) ^{1/}		Residual concentra- tion (percent by weight, see Regs. 5(1) and 5A(3))	
		I	II	III <u>Outside special areas</u>	IIIa <u>Within special areas</u>
Acetaldehyde	1089		C		
Acetic acid	1842		C		
Acetic anhydride	1715		C		
Acetone	-		D		
Acetone cyanohydrin	1541		A	0.1	
Acetonitrile (Methyl cyanide)	-		D		
Acetyl chloride	1717		C		
Acrolein	1092		A	0.1	
Acrylic acid	-		(C)		
Acrylonitrile	1093		B		
Adiponitrile	-		D		
Alkyl benzene sulfonate (straight chain) (branched chain)	-		C B		
Allyl alcohol	1098		B		
Allyl chloride	1100		C		
Alum (15% solution)	-		D		
Aminoethylethanolamine (Hydroxyethylethylene- diamine)*	-		D		

^{1/} Brackets in Column II indicate that the Category shown has been provisionally assigned and that further data is needed in order to complete the evaluation of the hazard of the substance concerned.

* Asterisk indicates that the substance has been provisionally included in this list and that further data are necessary in order to complete the evaluation of its environmental hazards, particularly in relation to living resources.

Substance	I	II	III	IIIa
Ammonia (28% aqueous)	1005	B		
iso-Amyl acetate	1104	C		
n-Amyl acetate	1104	C		
n-Amyl alcohol	-	D		
tert-Amyl alcohol	-	D		
Aniline	1547	C		
Benzene	1114	C		
Benzyl alcohol	-	D		
Benzyl chloride	1758	B		
n-Butyl acetate	-	D		
sec-Butyl acetate	-	D		
iso-Butyl acrylate	-	D		
n-Butyl acrylate	-	D		
iso-Butyl alcohol	-	D		
n-Butyl alcohol	-	D		
Butyl butyrate	-	(B)		
Butylene glycol(s)	-	D		
Butyl methacrylate	-	D		
iso-Butyl methacrylate	-	D		
iso-Butyraldehyde	2045	C		
n-Butyraldehyde	1129	B		
Butyrolactone	-	D		
Butyric acid	-	B		
Calcium chloride (solution)	-	D		
Camphor oil	1130	B		
Carbon disulphide	1131	A	0.01	
Carbon tetrachloride	1846	B		
Castor oil	-	D		
Caustic potash (Potassium hydroxide)	1814	C		
Chloroacetic acid	1750	C		

Substance	I	II	III	IIIa
Chloroform	1888	B		
Chlorohydrins (crude)*	-	D		
Chloroprene	1991	(C)		
Chlorosulphonic acid	1754	C		
p-Chlorotoluene	-	B		
Citric acid (10%-25%)	-	D		
Citric juices	-	D		
Coconut oil	-	D		
Cod liver oil	-	D		
Creosote	1334	A	0.1	
Cresols	2076	A	0.1	
Crotylic acid	2022	A	0.1	
Crotonaldehyde	1143	B		
Cumone	1918	C		
Cyclo-hexane	1145	C		
Cyclohexanol	-	D		
Cyclohexanone	-	D		
Cyclohexylamine*	-	D		
p-Cymene (iso-Propyltoluene)*	-	D		
Decahydronaphthalene (Decalin)*	-	D		
Decane*	-	D		
Decyl octyl alcohol	-	D		
Diacetone alcohol*	-	D		
Dibenzyl ether	-	(C)		
Dichlorobenzenes	1591	A	0.1	
Dichloroethyl ether	1916	B		

* Asterisk indicates that the substance has been provisionally included in this list and that further data are necessary in order to complete the evaluation of its environmental hazards, particularly in relation to living resources.

Substance	I	II	III	IIIa
Dichloropropene - Dichloropropane mixture (D.D. Soil fumigant)	2047	B		
Diethanolamine	-	D		
Diethyl ether	-	D		
Diethylamine	1154	C		
Diethylbenzene (mixed isomers)	2049	C		
Diethylene glycol	-	D		
Diethylene triamine	2079	(C)		
Diethylene glycol monoethyl ether	-	C		
Diethylketone (3-Pentanone)	-	D		
Di-iso-butylene*	-	D		
Di-iso-butyl ketone	-	D		
Di-iso-propanolamine	-	C		
Di-iso-propylamine	1158	C		
Di-iso-propyl ether*	-	D		
Dimethylamine (40% aqueous)	1160	C		
Dimethyl formamide (Form-dimethylamide)	-	D		
Dimethyl ethanolamine (2-Dimethylaminoethanol)	2051	(C)		
1, 4-Dioxane	1165	(C)		
Dipentene	-	D		
Diphenyl/Diphenyloxiide mixtures*	-	D		
Dipropylene glycol	-	D		
Dodecylbenzene	-	C		
Epichlorohydrin	2023	B		
2-Ethoxyethyl acetate*	-	D		
Ethyl acetate	-	D		

Substance	I	II	III	IIIa
Ethyl acrylate	-	D		
Ethyl alcohol	-	D		
Ethyl amyl ketone	-	(C)		
Ethylbenzene	1175	C		
Ethyl cyclohexane	-	D		
Ethylene chlorohydrin (2-Chloro-ethanol)*	-	D		
Ethylene cyanohydrin*	-	D		
Ethylene diamine	1604	C		
Ethylene dibromide	1605	B		
Ethylene dichloride	1184	B		
Ethylene glycol	-	D		
Ethylene glycol monethyl ether (Methyl cellosolve)	-	D		
2-Ethylhexyl acrylate*	-	D		
2-Ethylhexyl alcohol	-	C		
Ethyl lactate*	-	D		
2-Ethyl 3-propyl- acrolein	-	(B)		
Fatty alcohols (C ₁₂ -C ₂₀)	-	D		
Formaldehyde (37-50% solution)	1198	C		
Formic acid	-	D		
Furfuryl alcohol	-	C		
Glycerine	-	D		
Heptanoic acid*	-	D		
Hexamethylene diamine	1783	(C)		
Hydrochloric acid	-	D		
Hydrofluoric acid (40% aqueous)	1790	B		
Hydrogen peroxide (greater than 60%)	2015	C		

Substance	I	II	III	IIIa
Isoprene	-	D		
Lactic acid	-	D		
Ligroin	-	D		
Mesityl oxide	1229	(C)		
Methyl acetate	-	D		
Methyl alcohol	-	D		
Methyl acrylate	1919	C		
Methylamyl alcohol	-	D		
Methylene chloride	1593	B		
Methyl ethyl ketone (2-butanone)	-	D		
2-Methyl-5-Ethyl- pyridine	-	(B)		
Methyl iso-butyl ketone	-	D		
Methyl methacrylate	-	D		
2-Methylpentene*	-	D		
alpha-Methylstyrene*	-	D		
Milk	-	D		
Molasses	-	D		
Monochlorobenzene	1134	B		
Monoethanolamine	-	D		
Monoisopropanolamine	-	C		
Monomethyl ethanolamine	-	C		
Mononitrobenzene	-	C		
Mono-iso-propylamine	-	C		
Morpholine*	-	C		
Naphthalene (molten)	1334	A	0.1	
Naphthenic acids	-	(A)	(0.1)	
Nitric acid (90%)	2031/2032	C		
2-Nitropropane	-	D		
o-Nitrotoluene	1664	C		

Substance	I	II	III	IIIa
Nonyl alcohol	-	(C)		
Nonyl phenol	-	C		
iso-Octane*	-	D		
n-Octanol	-	C		
Oleum	1831	C		
Olive oil	-	D		
Oxalic acid (10-25%)	-	D		
Pentachloroethane	1669	B		
iso-Pentane	-	D		
n-Pentane	1265	C		
Perchloroethylene (Tetrachloroethylene)	1897	B		
Phenol	1671	B		
iso-Phorone	-	D		
Phosphoric acid	-	D		
Phosphorus (elemental)	1338	A	0.01	
Phthalic Anhydride (molten)	-	C		
Polypropylene glycol	-	D		
beta-Propiolactone	-	(B)		
Propionaldehyde	-	D		
Propionic acid	-	D		
Propionic anhydride	-	D		
iso-Propyl acetate	-	D		
n-Propyl acetate	1276	(C)		
n-Propyl alcohol	-	D		
iso-Propylamine	1221	C		
n-Propylamine	1277	C		
iso-Propyl alcohol	-	D		
iso-Propyl cyclohexane	-	D		
Propylene glycol	-	D		

Substance	I	II	III	IIIa
Propylene oxide	-	D		
Propylene tetramer	-	D		
Propylene trimer	-	D		
Pyridine	1282	B		
Silicon tetrachloride	-	D		
Sodium bichromate (solution)	-	C		
Sodium hydroxide	1824	C		
Sodium pentachloro- phenate (solution)	-	A	0.1	
Sorbitol	-	D		
Styrene monomer	2055	C		
Sulphuric acid	1830/1831/ 1832	C		
Tallow	-	D		
Tetra ethyl lead	1649	A	0.1	
Tetrahydrofuran	-	D		
Tetrahydro naphthalene	1540	C		
Tetramethylbenzene	-	D		
Tetramethyl lead	1649	A	0.1	
Titanium tetrachloride	-	D		
Toluene	1294	C		
Toluene diisocyanate	2078	(B)		
Trichloroethane	-	C		
Trichloroethylene	1710	B		
Tridecanol	-	D		
Triethanolamine	-	D		
Triethylamine	1296	C		
Trimethylbenzene	-	(C)		
Triethylene glycol	-	D		
Triethylenetetramine	-	D		
Trippropylene glycol	-	D		

Substance	I	II	III	IIIa
Tritolyl phosphate (Tricresyl phosphate)	-	(B)		
Turpentine (wood)	1299	B		
Vinyl acetate	1301	C		
Vinylidene chloride	1303	(B)		
Water				
Wine	-	D		
Xylenes (mixed isomers)	1307	C		

APPENDIX III

LIST OF OTHER LIQUID SUBSTANCES CARRIED IN BULK

Calcium hydroxide
(solution)
iso-Decyl alcohol
n-Decyl alcohol
Dibutyl ether
n-Heptane
Heptene (mixed isomers)
n-Hexane
Sulphur (liquid)
Methylamyl acetate
Tridecanol
Water
