

RESOLUTION MEPC.72(38)

adopted on 10 July 1996

REVISION OF THE LIST OF SUBSTANCES TO BE ANNEXED TO THE PROTOCOL  
RELATING TO THE INTERVENTION ON THE HIGH SEAS IN CASES OF  
MARINE POLLUTION BY SUBSTANCES OTHER THAN OIL

**ANNEX 8**

**RESOLUTION MEPC.72(38)  
adopted on 10 July 1996**

**REVISION OF THE LIST OF SUBSTANCES TO BE ANNEXED TO THE PROTOCOL  
RELATING TO THE INTERVENTION ON THE HIGH SEAS IN CASES OF  
MARINE POLLUTION BY SUBSTANCES OTHER THAN OIL**

THE MARINE ENVIRONMENT PROTECTION COMMITTEE,

NOTING resolution 26 of the International Conference on Marine Pollution, 1973 which requested the appropriate body designated by the Organization to establish, not later than 30 November 1974, the list of substances to be annexed to the Protocol relating to Intervention on the High Seas in Cases of Marine Pollution by Substances Other than Oil, 1973 (the 1973 Intervention Protocol),

NOTING FURTHER resolution A.296 (VIII) by which the Assembly designated the Committee as the appropriate body referred to in articles I and III of the above-mentioned Protocol,

RECALLING resolution MEPC.49(31) by which the Committee adopted on 4 July 1991 an amended list to replace the original list annexed to the Protocol,

RECALLING FURTHER that it had approved, at its thirty-fifth session, the Criteria for the Selection of Substances for Inclusion in the Annex to the 1973 Intervention Protocol,

NOTING ALSO that the 1992 amendments to the IBC Code and Amendment 27 of the IMDG Code had entered into force,

HAVING CONSIDERED the proposed amendments to Appendix 2, noxious liquid substances carried in bulk, and Appendix 3, harmful substances carried in packaged form, prepared by the Secretariat in accordance with the above-mentioned criteria and taking into account the recent amendments to the IBC and IMDG Codes,

1. **ADOPTS**, by the required two-thirds majority of the Parties to the 1973 Intervention Protocol present and voting in the Committee, the amended list which appears in the Annex to this resolution;
2. **REQUESTS** the Secretary-General to communicate the amended List to all Parties to the 1973 Intervention Protocol in accordance with article III, paragraph 5, for acceptance, and to inform them that the amended to the list shall be deemed to have been accepted at the end of the period of six months after it has been communicated, unless with that period an objection to these amendments has been communicated to the Organization by not less than one third of the Parties, and that the amended list shall enter into force three months after it has been deemed to have been accepted; and
3. **REQUESTS FURTHER** the Secretary-General to annex copies thereof to the authentic text of the Protocol in accordance with article I, paragraph 2(a), once the amended list has been accepted in accordance with article III, paragraph 6, to replace the existing list.

**ANNEX**

**ANNEX TO THE 1973 INTERVENTION PROTOCOL**

**LIST OF SUBSTANCES**

**Appendix 1**

**Oil carried in bulk as listed in Appendix I to Annex I of MARPOL 73/78  
other than those covered by the 1969 Intervention Convention**

**Asphalt solutions**

Blending stocks  
Roofers flux  
Straight run residue

**Oils**

Clarified  
Road oil  
Transformer oil  
Aromatic oil (excluding vegetable oil)  
Mineral oil  
Motor oil  
Penetrating oil  
Spindle oil  
Turbine oil

**Distillates**

Straight run  
Flashed feed stocks

**Gas oil**

Cracked

**Naphtha**

Solvent  
Petroleum  
Heartcut distillate oil

**Gasoline blending stocks**

Alkylates - fuel  
Reformats  
Polymer - fuel

**Gasolines**

Casinghead (natural)  
Automotive  
Aviation  
Straight run  
Fuel oil No.1 (Kerosene)  
Fuel oil No.1-D  
Fuel oil No.2  
Fuel oil No.2-D

**Jet fuels**

JP-1 (Kerosene)  
JP-3  
JP-5 (Kerosene, heavy)  
Turbo fuel  
Kerosene  
Mineral spirit

**Appendix 2****Noxious liquid substances carried in bulk**

Acetone cyanohydrin  
Acrylonitrile  
Alachlor technical (90% or more)  
Alcohol (C6-C17)(secondary) poly(3-6)ethoxylates  
Alcohol (C12-C15) poly(1-6) ethoxylates  
Alcohol (C6-C17) (secondary) poly(7-12)ethoxylates  
Alcohol (C12-C15) poly(7-19) ethoxylates  
Alkaryl polyethers (C9-C20)  
Alkyl (C3-C4) benzenes  
Alkyl (C5-C8) benzenes  
Alkyl (C7-C9) nitrates  
Alkyl acrylate-vinyl pyridine copolymer in toluene  
Alkylbenzene,alkylindane,alkylindene mixture (each C12-C17)  
Allyl alcohol  
Allyl chloride  
Ammonium sulphide solution (45% or less)  
Aniline  
Benzene and mixtures having 10% benzene or more\*  
Benzyl chloride  
Benzyl alcohol  
Butene oligomer  
Butyl butyrate (all isomers)  
Butyl benzyl phthalate  
Butyl acrylate (all isomers)  
Butylamine (all isomers)  
Butyraldehyde (all isomers)  
Calcium alkyl (C9) phenol sulphide/ Polyolefin phosphorusulphide mixture  
Calcium hypochlorite solution (more than 15%)  
Calcium long-chain alkyl phenate sulphide (C8-C40)  
Camphor oil  
Carbolic oil  
Carbon disulphide  
Carbon tetrachloride  
Chlorinated paraffins (C10-C13)  
Chloroacetic acid (80% or less)  
Chlorobenzene  
o-Chloronitrobenzene

Chloroform  
Chlorohydrins (crude)  
2- or 3-Chloropropionic acid  
m-Chlorotoluene  
o-Chlorotoluene  
p-Chlorotoluene  
Chlorotoluenes (mixed isomers)  
Coal tar  
Coal tar naphtha solvent  
Coal tar pitch (molten)  
Cobalt naphthenate in solvent naphtha  
Creosote (coal tar)  
Creosote (wood)  
Cresols (all isomers)  
Cresylic acid, dephenolized  
Cresylic acid, sodium salt solution  
Crotonaldehyde  
1,5,9-Cyclododecatriene  
Cyclohexyl acetate  
Cyclohexylamine  
1,3-Cyclopentadiene dimer (molten)  
Cyclopentene  
Decanoic acid  
Decene  
Decyl acetate  
Decyl alcohol (all isomers)  
Decyl acrylate  
Decyloxytetrahydro-thiophene dioxide  
Di-n-hexyl adipate  
Di-n-propylamine  
Dibutyl phthalate  
Dibutyl hydrogen phosphonate  
Dibutylamine  
Dichlorobenzene (all isomers)  
Dichloroethyl ether  
1,6-Dichlorohexane  
2,4-Dichlorophenol  
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution  
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution (70% or less)  
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution  
1,2-Dichloropropane

1,3-Dichloropropene  
Dichloropropene/Dichloro- propane mixtures  
Diethyl sulphate  
Diethylamine  
Diethylaminoethanol  
Diethylbenzene  
Diglycidyl ether of bisphenol F  
Diglycidyl ether of bisphenol A  
Diisobutyl phthalate  
Diisobutylamine  
Diisobutylene  
Diisopropylamine  
Diisopropylbenzene (all isomers)  
Dimethyl octanoic acid  
Dimethyl adipate  
Dimethyl hydrogen phosphite  
Dimethylamine solution (greater than 55% but not greater than 65%)  
Dimethylamine solution (greater than 45% but not greater than 55%)  
Dimethylamine solution (45% or less)  
N,N-Dimethylcyclohexylamine  
Dinitrotoluene (molten)  
1,4-Dioxane  
Diphenyl  
Diphenyl ether  
Diphenyl ether/Diphenyl phenyl ether mixture  
Diphenyl/Diphenyl ether mixtures  
Diphenylamine, reaction product with 2,2,4-Trimethylpentene  
Diphenylamines, alkylated  
Diphenylmethane diisocyanate  
Diphenylol propane  
Diphenylol propane- epichlorohydrin resins  
Dodecene (all isomers)  
Dodecyl alcohol  
Dodecyl diphenyl ether disulphonate solution  
Dodecyl phenol  
Dodecylamine/Tetradecylamine mixture  
Dodecyldimethylamine/Tetradecyldimethylamine mixture  
Drilling brines (containing Zinc salts)  
Epichlorohydrin  
Ethyl acrylate  
Ethylamine solutions (72% or less)

Ethylamine  
Ethylbenzene  
N-Ethylbutylamine  
Ethylene dichloride  
Ethylene dibromide  
Ethylene chlorohydrin  
Ethylene oxide/Propylene oxide mixture with an Ethylene oxide content of not more than 30% in weight  
Ethylene glycol methyl ether acetate  
Ethylenediamine  
2-Ethylhexyl acrylate  
2-Ethylhexylamine  
Ethylidene norbornene  
o-Ethylphenol  
2-Ethyl-3-propylacrolein  
Ethyltoluene  
Fluorosilicic acid (20-30%) in water solution  
Formaldehyde solutions (45% or less)  
Fumaric adduct of rosin, water dispersion  
Furfural  
Glycidyl ester of C10 trialkylacetic acid  
Heptyl acetate  
Hexamethylenediamine solution  
Hexyl acetate  
2-Hydroxyethyl acrylate  
2-Hydroxy-4-(methylthio) butanoic acid  
Isophorone diisocyanate  
Isophoronediamine  
Lactonitrile solution (80% or less)  
Lauric acid  
Liquid chemical wastes  
Long chain polyetheramine in alkyl (C2-C4) benzenes  
Long chain polyetheramine in aromatic solvent  
Long chain alkaryl polyether (C11-C20)  
Magnesium long chain alkyl salicylate (C11+)  
Mercaptobenzothiazol, sodium salt solution  
Metam sodium solution  
Methacrylic resin in Ethylene dichloride  
Methyl acrylate  
Methyl butyl ketone  
2-Methyl-6-ethyl aniline

Methyl heptyl ketone  
Methyl methacrylate  
Methylcyclopentadiene dimer  
Methyl naphthalene (molten)  
3-Methylpyridine  
Methyl salicylate  
alpha-Methylstyrene  
Motor fuel anti-knock compounds (containing lead alkyls)  
Naphthalene (molten)  
Naphthenic acids  
Neodecanoic acid  
Nitrating acid (mixture of sulphuric and nitric acids)  
Nitrobenzene  
o-Nitrophenol (molten)  
o- or p-Nitrotoluenes  
Nonene (all isomers)  
Nonyl phenol  
Nonyl phenol poly(4-12) ethoxylates  
Noxious liquid, N.F, (1) n.o.s. (trade name ..., contains ...) S.T.1, Cat.A\*  
Noxious liquid, F, (2) n.o.s. (trade name ..., contains ...) S.T.1, Cat.A\*  
Noxious liquid, N.F, (3) n.o.s. (trade name ..., contains ...) S.T.2, Cat.A\*  
Noxious liquid, F, (4) n.o.s. (trade name ..., contains ...) S.T.2, Cat.A\*  
Noxious liquid, N.F, (5) n.o.s. (trade name ..., contains ...) S.T.2, Cat.B\*  
Noxious liquid, N.F, (6) n.o.s. (trade name ..., contains ...) S.T.2, Cat.B\*, mp  
Noxious liquid, F, (7) n.o.s. (trade name ..., contains ...) S.T.2, Cat.B\*  
Noxious liquid, F, (8) n.o.s. (trade name ..., contains ...) S.T.2, Cat.B\*, mp  
Noxious liquid, N.F, (9) n.o.s. (trade name ..., contains ...) S.T.3, Cat.A\*  
Noxious liquid, F, (10) n.o.s. (trade name ..., contains ...) S.T.3, Cat.A\*  
Noxious liquid, N.F, (11) n.o.s. (trade name ..., contains ...) S.T.3, Cat.B\*  
Noxious liquid, N.F, (12) n.o.s. (trade name ..., contains ...) S.T.3, Cat.B\*, mp  
Noxious liquid, F, (13) n.o.s. (trade name ..., contains ...) S.T.3, Cat.B\*  
Noxious liquid, F, (14) n.o.s. (trade name ..., contains ...) S.T.3, Cat.B\*, mp  
Octene (all isomers)  
Octyl aldehydes  
Olefin mixtures (C5-C15)  
alpha-Olefins (C6-C18) mixtures  
Oleum  
Oleylamine  
Palm kernel acid oil  
Pentachloroethane  
Perchloroethylene

Phosphorus, yellow or white  
Phthalic anhydride (molten)  
alpha-Pinene  
beta-Pinene  
Poly(2+)cyclic aromatics  
Polyethylene polyamines  
Polyolefin amide alkeneamine (C28+)  
Polyolefin amide alkeneamine borate (C28-C250)  
Polyolefin amide alkeneamine polyol  
Polyolefinamine in aromatic solvent  
Polyolefinamine in alkyl (C2-C4) benzenes  
Polyolefin ester (C28-C250)  
beta-Propiolactone  
Propionitrile  
n-Propylamine  
Propylbenzene (all isomers)  
Propylene trimer  
Propylene oxide  
Propylene tetramer  
Rosin soap (disproportionated) solution  
Rosin  
Sodium sulphide solution (15% or less)  
Sodium dichromate solution (70% or less)  
Sodium hydrogen sulphide (6% or less)/Sodium carbonate (3% or less) solution  
Sodium hydrosulphide solution (45% or less)  
Sodium hydrosulphide/Ammonium sulphide solution  
Sodium petroleum sulfonate  
Sodium nitrite solution  
Sodium thiocyanate solution (56% or less)  
Styrene monomer  
Sulpho hydrocarbon long chain (C18+) alkylamine mixture  
Sulphuric acid  
Sulphuric acid, spent  
Tall oil (crude and distilled)  
Tall oil fatty acid (resin acids less than 20%)  
Tall oil soap (disproportionated) solution  
Tall oil fatty acid, barium salt  
Tetrachloroethane  
Tetramethylbenzene (all isomers)  
Toluene  
Toluene diisocyanate

Toluenediamine  
o-Toluidine  
Tributyl phosphate  
1,2,4-Trichlorobenzene  
Trichloroethylene  
Tricresyl phosphate (containing 1% or more ortho-isomer)  
Tricresyl phosphate (containing less than 1% ortho-isomer)  
Triethylamine  
Triethylbenzene  
Triethylenetetramine  
Triethylphosphite  
Triisopropylated phenyl phosphates  
Trimethylamine solution (30% or less)  
Trimethylbenzene (all isomers)  
Trimethylhexamethylene diisocyanate (2,2,4- and 2,4,4-isomers)  
Trixylyl phosphate  
Turpentine  
Undecanoic acid  
1-Undecene  
Undecyl alcohol  
Vinyl neodecanoate  
Vinylidene chloride  
Vinyltoluene  
White spirit, low (15-20%) aromatic  
Xylenes  
Xylenol  
Zinc alkaryl dithiophosphate (C7-C16)  
Zinc alkyl dithiophosphate (C3-C14)

**Appendix 3****Harmful substances in packaged form**

Aldrin  
Azinphos-ethyl  
Azinphos-methyl  
gamma-BHC  
Binapacryl  
Brodifacoum  
Bromophos-ethyl  
Cadmium compound  
Camphechlor  
Carbophenothion  
Chlordane  
Chlorinated paraffin(C10-C13)  
Chlorophenolates, liquid  
Chlorophenolates, solid  
Chlorpyrifos  
Chlorthiophos  
Copper cyanide  
Copper metal powder  
Coumaphos  
Cresyl diphenylphosphate  
Cupric cyanide  
Cupric sulphate  
1,5,9-cyclododecatriene  
Cyhexatin  
Cymenes (ortho-; meta-; para-)  
Cymol  
Cypermethrin  
DDT  
Dialifos  
Diazinon  
Dichlofenthion  
Dichlorvos  
Dieldrin  
Dimethoate  
Diphenylaminechloroarsine  
Diphenylchloroarsine, liquid  
Diphenylchloroarsine, solid  
Dodecylphenol  
Endosulfan  
Endrin  
EPN  
Esfenvalerate  
Ethion

MEPC 38/20

ANNEX 8

Page 12

Fenbutatin oxide  
Fenitrothion  
Fenpropathrin  
Fenthion  
Fentin acetate  
Fentin hydroxide  
Fonofos  
Heptachlor  
Hexachlorobutadiene  
Hexachloro-1,3-butadiene  
1,3-hexachlorobutadiene  
Isopropyltoluene  
Isopropyltoluol  
Isoxathion  
Lindane  
Mercuric acetate  
Mercuric ammonium chloride  
Mercuric arsenate  
Mercuric benzoate  
Mercuric bisulphate  
Mercuric bromide  
Mercuric chloride  
mercuric cyanide  
Mercuric gluconate  
Mercuric nitrate  
Mercuric oleate  
Mercuric oxide  
Mercuric oxycyanide, desensitized  
Mercuric potassium cyanide  
Mercuric sulphate  
Mercuric thiocyanate  
Mercuriol  
Mercurous acetate  
Mercurous bisulphate  
Mercurous bromide  
Mercurous chloride  
Mercurous nitrate  
Mercurous salicylate  
Mercurous sulphate  
Mercury acetate  
Mercury ammonium chloride  
Mercury-based pesticide, liquid, flammable, toxic, flashpoint less than 23°C c.c.  
Mercury-based pesticide, liquid, toxic  
Mercury-based pesticide, liquid, toxic, flammable, flashpoint between 23°C and 61°C c.c.  
Mercury-based pesticide, solid, toxic  
Mercury benzoate  
Mercury bichloride  
Mercury bisulphate

Mercury bromides  
Mercury compound, liquid, n.o.s.  
Mercury compound, solid, n.o.s.  
Mercury(ii) (mercuric) compounds or Mercury(i) (mercurous) compounds  
Mercury cyanide  
Mercury gluconate  
Mercury nucleate  
Mercury oleate  
Mercury oxide  
Mercury oxycyanide, desensitized  
Mercury potassium cyanide  
Mercury potassium iodide  
Mercury salicylate  
Mercury sulphate  
Mercury thiocyanate  
Methylpropylbenzenes  
Mevinphos  
Nickel carbonyl  
Nickel cyanide  
Nickel tetracarbonyl  
Organotin compound, liquid, n.o.s.  
Organotin compound, solid, n.o.s.  
Organotin compounds  
(pesticides)  
Organotin pesticide, liquid, flammable, toxic, flashpoint less than 23°C c.c.  
Organotin pesticide, liquid, toxic  
Organotin pesticide, liquid, toxic, flammable, flashpoint between 23°C and 61°C c.c.  
Organotin pesticide, solid, toxic  
Osmium tetroxide  
Parathion  
Parathion-methyl  
PCB's  
Pentachlorophenol  
Pentachlorophenol  
Phenarsazine chloride  
Phenthoate  
Phenylmercuric acetate  
Phenylmercuric compound, n.o.s.  
Phenylmercuric hydrox-ide  
Phenylmercuric nitrate  
Phorate  
Phosalone  
Phosphamidon  
Phosphorus, white, dry  
Phosphorus, white, molten  
Phosphorus, white, under water  
Phosphorus, yellow, dry  
Phosphorus, yellow, molten

Phosphorus, yellow, under water  
Polychlorinated biphenyls  
Polyhalogenated biphenyls, liquid  
Polyhalogenated biphenyls, solid  
Polyhalogenated ter-phenyls, liquid  
Polyhalogenated ter-phenyls, solid  
Potassium cuprocyanide  
Potassium cyanocuprate  
Potassium cyanomercurate  
Potassium mercuric iodide  
Pyrazophos  
Quizalofop  
Quizalofop-p-ethyl  
Sodium copper cyanide, solid  
Sodium copper cyanide, solution  
Sodium cuprocyanide, solid  
Sodium cuprocyanide, solution  
Sodium pentachlorophenate  
Sulprophos  
White phosphorus, dry  
White phosphorus, wet  
Yellow phosphorus, dry  
Yellow phosphorus, wet  
Terbufos  
Tetrachlorvinphos

#### **Appendix 4.**

##### **Radioactive materials**

Radioactive materials which are transported in type B package, or as fissile materials, or under special arrangements, as covered by the provisions of schedule 10 to 13 of class 7 of the International Maritime Dangerous Goods Code.

## Appendix 5

### Liquefied gases carried in bulk

Acetaldehyde  
Anhydrous ammonia  
Chlorine  
Dimethylamine  
Ethyl chloride  
Ethylene oxide  
Hydrogen chloride, anhydrous  
Hydrogen fluoride, anhydrous  
Methyl bromide  
Methyl Chloride  
Sulphur dioxide  
Vinyl chloride monomer

\*\*\*

RESOLUTION MEPC.72(38)

adopted on 10 July 1996

REVISION OF THE LIST OF SUBSTANCES TO BE ANNEXED TO THE PROTOCOL  
RELATING TO THE INTERVENTION ON THE HIGH SEAS IN CASES OF  
MARINE POLLUTION BY SUBSTANCES OTHER THAN OIL