

RESOLUTION MEPC.49(31)

adopted on 4 July 1991

REVISION OF 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

ANNEX 8

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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 Protocol),

NOTING FURTHER Resolution A.296(VII) 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.1(II) by which the Committee established on 21 November 1974 a 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, in accordance with Resolution 26 of the International Conference on Marine Pollution, 1973 and Resolution A.296(VII),

HAVING CONSIDERED proposals by governments for revising the list,

HAVING taken account of scientific advice provided by the Joint Group of Experts on the Scientific Aspects of Marine Pollution (GESAMP) with regard to evaluation of the hazards of harmful substances in the marine environment and by the International Atomic Energy Agency in respect of radioactive materials,

HAVING taken account of technical advice provided by the Sub-Committees on Bulk Chemicals and on the Carriage of Dangerous Goods,

1. ADOPTS by the required two-thirds majority of the Parties to the 1973 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 Protocol in accordance with article III, paragraph 5, for acceptance, and inform them that the amended list shall be deemed to have been accepted at the end of the period of six months after it has been communicated, unless within 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;
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;
4. DECIDES that the list should be kept under review, in consultation and co-operation with competent international organizations, in particular the International Atomic Energy Agency in respect of radioactive materials.

ANNEX

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

Gasolines 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
 Acetic anhydride
 Acrylonitrile
 Alcohol (C12-C15) poly(1-3) ethoxylates
 Alcohol (C12-C15) poly(3-11) ethoxylates
 Alcohol (C6-C17)(secondary) poly(3-6) ethoxylates
 Alcohol (C6-C17)(secondary) poly(7-12) ethoxylates
 Allyl alcohol
 Allyl chloride
 Ammonium sulphide solution (45% or less)
 Aniline
 Benzene and mixtures having 10% benzene or more
 Benzyl chloride
 Butene oligomer
 n-Butyl acrylate
 Butylbenzenes (all isomers)
 Butyl benzyl phthalate
 n-Butyraldehyde
 Calcium hypochlorite solution (more than 15%)
 Calcium naphthenate in mineral oil
 Camphor oil
 Carbolic oil
 Carbon disulphide
 Carbon tetrachloride
 Chlorinated paraffins (C10-C13)
 Chlorobenzene
 Chloroform
 o-Chloronitrobenzene
 m-Chlorotoluene
 o-Chlorotoluene
 p-Chlorotoluene
 Chlorotoluenes (mixed isomers)
 Coal tar
 Coal tar naphtha solvent
 Cobalt naphthenate in solvent naphtha
 Creosote (coal tar)
 Creosote (wood)
 Cresols (all isomers)
 Cresylic acid, sodium salt solution
 Crotonaldehyde
 Cyclohexyl acetate
 1,3-Cyclopentadiene dimer (molten)
 Cyclopentene
 Decene
 Decyl acrylate
 Decyl alcohol (all isomers)
 Dibutyl phthalate
 Dichlorobenzenes (all isomers)
 1,1-Dichloroethane
 Dichloroethyl ether
 1,6-Dichlorohexene
 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
1,1-Dichloropropane
1,2-Dichloropropane
1,3-Dichloropropane
1,3-Dichloropropene
Dichloropropene/Dichloropropane mixtures
Diethyl sulphate
Diglycidyl ether of bisphenol A
Diglycidyl ether of bisphenol F
Di-n-hexyl adipate
Diisobutylene
Diisobutyl phthalate
Diisopropylbenzene (all isomers)
Dimethyl adipate
Dimethylamine solution (45% or less)
Dimethylamine solution (greater than 45% but not greater than 55%)
Dimethylamine solution (greater than 55% but not greater than 65%)
Dinitrotoluene (molten)
Diphenyl
Diphenyl/Diphenyl ether mixtures
Diphenyl ether
Diphenyl ether/Diphenyl phenyl ether mixture
Diphenylmethane diisocyanate
Diphenylol propane-epichlorohydrin resins
Dodecene (all isomers)
Dodecyl alcohol
Dodecyl diphenyl ether disulphonate solution
Dodecyl phenol
Drilling brines, containing Zinc salts
Epichlorohydrin
Ethyl acrylate
Ethylene chlorohydrin
Ethylene dibromide
Ethylene dichloride
2-Ethylhexyl acrylate
2-Ethylhexylamine
Ethylidene norbornene
o-Ethylphenol
2-Ethyl-3-propylacrolein
Ethyltoluene
Fluorosilicic acid
Fumaric adduct of rosin, water dispersion
Glycidyl ester of C10 trialkylacetic acid
Heptyl acetate
Hexyl acetate
2-Hydroxyethyl acrylate
Isobutyl acrylate
Isophorone diisocyanate
Isopropylbenzene
Lactonitrile solution (80% or less)
Lauric acid
Mercaptobenzothiazol, sodium salt solution
Metam sodium solution
Methacrylic resin in 1,2-Dichloroethane solution
Methacrylonitrile
Methyl acrylate

Methylcyclopentadiene dimer
2-Methyl-5-ethyl pyridine
Methyl heptyl ketone
Methylnaphthalene
2-Methylpyridine
4-Methylpyridine
N-Methyl-2-pyrrolidone
Methyl salicylate
alpha-Methylstyrene
Motor fuel anti-knock compounds
Naphthalene (molten)
Naphthenic acids
Nitrobenzene
o-Nitrophenol (molten)
Nonene
Nonylphenol
Nonylphenol poly (4-12) ethoxylates
Octane (all isomers)
Octene (all isomers)
Octyl aldehydes
Octyl nitrates (all isomers)
Olefin mixtures (C5-C15)
Oleum
alpha-Olefins (C6-C18) mixtures
Pentachloroethane
Perchloroethylene
Phenol
Phosphorus, yellow or white
Pinene
n-Propyl chloride
Propylene tetramer
Propylene trimer
Rosin
Rosin soap (disproportionated) solution
Sodium hydrosulphide/Ammonium sulphide solution
Sodium hydrosulphide solution (45% or less)
Sodium sulphide solution
Sodium nitrite solution
Sodium thiocyanate solution (56% or less)
Styrene monomer
Tall oil (crude and distilled)
Tall oil soap (disproportionated) solution
Tetrachloroethane
Toluene
Toluene diisocyanate
Tributyl phosphate
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethylene
1,2,3-Trichloropropane
Tricresyl phosphate (containing less than 1% ortho-isomer)
Tricresyl phosphate (containing 1% or more ortho-isomer)
Triethylbenzene
Trimethyl benzenes (all isomers)
Trimethylhexamethylene diisocyanate (2,2,4- and 2,4,4-isomers)
Trixylyl phosphate

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Turpentine

1-Undecene

Undecyl alcohol

Vinylidene chloride

Vinyl neodecanoate

Vinyltoluene

White spirit, low (15-20%) aromatic

Xylenol

Appendix 3

Harmful substances carried in packaged formSubstances

Binapacryl
Cadmium compounds, except Cadmium selenide and Cadmium sulphide
Chlorined paraffins (C10-C13)
Chlorophenates
Copper cyanide
Coumarin derivative pesticides as follows:

Brodifacoum
Coumaphos

Cresyl diphenyl phosphate
Cypermethrin
Diphenylamine chloroarsine
Diphenylchloroarsine
Dodecylphenol
Ethylchloroarsine
Fenprothrin
Hexachlorobutadiene
Mercuric arsenate
Mercuric chloride
Mercuric nitrate
Mercuric potassium cyanide
Mercurous nitrate
Mercury acetates
Mercury ammonium chloride
Mercury based pesticides
Mercury benzoate
Mercury bromides
Mercury compounds except Mercuric sulphide and Mercury iodide
Mercury cyanide
Mercury gluconate
Mercury nucleate
Mercury oleate
Mercury oxide
Mercury oxycyanide desensitized
Mercury potassium iodide
Mercury salicylate
Mercury sulphates
Mercury thiocyanate
Nickel cyanide
Nickel carbonyl

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Substances

Organochlorine pesticides as follows:

Aldrin
Camphechlor
Chlordane
DDT
Dieldrin
Endosulfan
Endrin
Heptachlor
Lindane (gamma-BCH)

Organophosphorus pesticides as follows:

Azinphos-methyl
Azinphos-ethyl
Bromophos-ethyl
Carbophenothion
Chlorpyriphos
Chlorthiophos
Dialifos
Diazinon
Dichlofenthion
Dichlorvos
Dimethoate
EPN Ethion
Fenitrothion
Fenthion
Fonofos
Isoxathion
Mevinphos
Parathion
Parathion-methyl
Pirimiphos ethyl
Phenthoate
Phorate
Phosalone
Phosphamidon
Pyrazophos
Sulprophos
Terbufos

Organotin compounds
Organotin pesticides
Osmium tetroxide
Pentachlorophenol
Phenylmercuric acetate
Phenylmercuric compounds
Phenylmercuric nitrate
Phosphorus, white or yellow

Substances

Polychlorinated biphenyls or terphenyls
Polyhalogenated biphenyls or terphenyls
Potassium cuprocyanide
Silver arsenite
Sodium cuprocyanide
Sodium pentachlorophenate
Triaryl phosphates
Tricresyl phosphates, more than 1% ortho-isomer
Zinc cyanide

Appendix 4

Radioactive materials

Radioactive materials which are transported in type B packages, or as fissile materials, or under special arrangement, as covered by the provisions of schedules 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

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