

**MERCHANT SHIPPING (PREVENTION OF POLLUTION:
SUBSTANCES OTHER THAN OIL) (INTERVENTION) ORDER
2004**

BR 54/2004

MERCHANT SHIPPING ACT 2002

2002 : 35

**MERCHANT SHIPPING (PREVENTION OF POLLUTION:
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The Minister of Transport, in exercise of the powers conferred by section 137(1)(a) of the Merchant Shipping Act 2002, makes the following Order:

Citation

1 This Order may be cited as the Merchant Shipping (Prevention of Pollution: Substances other than Oil) (Intervention) Order 2004.

Prescribed substances

2 The substances prescribed for the purposes of section 137 of the Merchant Shipping Act 2002 (application of sections 135 and 136 to substances other than oil) are those listed in the Schedule to this Order.

**SCHEDULE (Paragraph 2)
LIST OF SUBSTANCES**

**PART 1
NOXIOUS LIQUID SUBSTANCES**

Acetone cyanohydrin

**MERCHANT SHIPPING (PREVENTION OF POLLUTION:
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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 phosphorosulphide mixture

Calcium hypochlorite solution (more than 15%)

Calcium long-chain alkyl phenate sulphide (C8-C40)

Camphor oil

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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

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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

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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)

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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

**MERCHANT SHIPPING (PREVENTION OF POLLUTION:
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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

**MERCHANT SHIPPING (PREVENTION OF POLLUTION:
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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

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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

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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

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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)

**PART 2
HARMFUL SUBSTANCES**

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

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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

Fenbutatin oxide

Fenitrothion

Fenpropathrin

Fenthion

Fentin acetate

Fentin hydroxide

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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, desensitised
Mercuric potassium cyanide
Mercuric sulphate
Mercuric thiocyanate
Mercuriol
Mercurous acetate
Mercurous bisulphate
Mercurous bromide
Mercurous chloride

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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, desensitised

Mercury potassium cyanide

Mercury potassium iodide

Mercury salicylate

Mercury sulphate

Mercury thiocyanate

Methylpropylbenzenes

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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 hydroxide
Phenylmercuric nitrate
Phorate
Phosalone
Phosphamidon
Phosphorus, white, dry
Phosphorus, white, molten

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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

PART 3

**MERCHANT SHIPPING (PREVENTION OF POLLUTION:
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RADIOACTIVE MATERIALS

Radioactive materials

PART 4

LIQUEFIED GASES

Acetaldehyde

Anhydrous ammonia

Chlorine

Dimethylamine

Ethyl chloride

Ethylene oxide

Hydrogen chloride, anhydrous

Hydrogen fluoride, anhydrous

Methyl bromide

Methyl Chloride

Sulphur dioxide

Vinyl chloride monomer

Made this 20th day of July, 2004

Minister of Transport