

Appendix B

List of Marine Pollutants (§172.101 - Appendix B)

If the letters "PP" appear in this column for a material, the material is a severe marine pollutant, otherwise it is not. If a material not listed in this appendix meets the criteria for a marine pollutant, as provided in the *General Introduction of the IMDG Code, Guidelines for the Identification of Harmful Substances in Packaged Form*, the material may be transported as a marine pollutant in accordance with the applicable requirements of this subchapter.

Acetal  
Acetaldehyde  
Acetone cyanohydrin, stabilized  
Acetylene tetrabromide  
Acetylene tetrachloride  
Acraldehyde, inhibited  
Acrolein, inhibited  
Acrylic aldehyde, inhibited  
Alcohol C-12-C-16 poly(1-6)ethoxylate  
Alcohol C-13-C-15 poly(1-6)ethoxylate  
Alcohol C-6-C-17 (secondary)poly(3-6) ethoxylate  
Aldicarb  
Aldrin (PP)  
Alkyl (C-12-C-14) dimethylamine  
Alkyl (C-7-C-9) nitrates  
Alkylbenzenesulphonates, branched and straight chain  
Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)  
Allyl bromide  
*o*-Aminoanisole  
Aminocarb  
Ammonium dinitro-*o*-cresolate  
*n*-Amylbenzene  
Amyl mercaptans  
Anisole  
Azinphos-ethyl (PP)  
Azinphos-methyl (PP)  
Barium cyanide  
Bendiocarb  
Benomyl  
Benquinox  
Benzaldehyde  
Benzyl chlorocarbonate  
Benzyl chloroformate  
Binapacryl (PP)  
*N,N*-Bis(2-hydroxyethyl)oleamide (LOA)  
Brodifacoum (PP)  
Bromine cyanide  
Bromoacetone  
Bromoallylene  
Bromobenzene  
*o*-Bromobenzyl cyanide  
Bromocyane  
Bromoform  
Bromophos-ethyl (PP)  
3-Bromopropene  
Bromoxynil  
Butanedione  
2-Butenal, stabilized  
Butyl benzenes  
Butyl benzyl phthalate  
*n*-Butyl butyrate  
Butyl mercaptans  
*N-tert*-butyl-*N*-cyclopropyl-6-methylthio-1,3,5-triazine-2,4-diamine

Butylphenols, liquid  
Butylphenols, solid  
*p-tert*-butyltoluene  
Butyraldehyde  
Cadmium compounds (PP)  
Cadmium sulphide  
Calcium arsenate  
Calcium arsenate and calcium arsenite, mixtures, solid  
Calcium cyanide  
Calcium naphthenate  
Camphechlor (PP)  
Camphor oil  
Carbaryl  
Carbendazim  
Carbofuran  
Carbon tetrabromide  
Carbon tetrachloride  
Carbophenothion (PP)  
Cartap hydrochloride  
Chlordane (PP)  
Chlorfenvinphos  
Chlorinated paraffins (C-10-C-13) (PP)  
Chlorinated paraffins (C-14-C-17), with > 1% shorter chain length (PP)  
Chlorine  
Chlorine cyanide, inhibited  
Chlormephos  
Chloroacetone, stabilized  
1-Chloro-2,3-Epoxypropane  
2-Chloro-6-nitrotoluene  
4-Chloro-2-nitrotoluene  
Chloro-*o*-nitrotoluene  
2-Chloro-5-trifluoromethylnitrobenzene  
*p*-Chlorobenzyl chloride, liquid or solid  
Chlorodinitrobenzenes, liquid or solid  
1-Chloroheptane  
1-Chlorohexane  
Chloronitroanilines  
Chloronitrotoluenes liquid  
Chloronitrotoluenes, solid  
1-Chlorooctane  
Chlorophenolates, liquid (PP)  
Chlorophenolates, solid (PP)  
Chlorophenols, liquid  
Chlorophenols, solid  
Chlorophenyltrichlorosilane  
Chlorotoluenes (*o*-, *m*-, *p*-)  
Chlorpyrifos (PP)  
Chlorthiophos (PP)  
Coal tar  
Coal tar naphtha  
Cocculus  
Coconitrile  
Copper acetoarsenite  
Copper arsenite  
Copper chloride  
Copper chloride solution (PP)  
Copper cyanide (PP)  
Copper metal powder (PP)  
Copper sulphate, anhydrous, hydrates (PP)  
Coumachlor  
Coumaphos (PP)  
Creosote (coal tar)  
Creosote (wood tar)  
Cresols (*o*-, *m*-, *p*-)  
Cresyl diphenyl phosphate (PP)

Cresylic acid	Dinitro- <i>o</i> -cresol, solid
Cresylic acid sodium salt	Dinitro- <i>o</i> -cresol, solution
Crotonaldehyde, stabilized	Dinitrochlorobenzenes, liquid or solid
Crotonic aldehyde, stabilized	Dinitrophenol, dry or wetted with < 15 % water, by mass
Crotoxyphos	Dinitrophenol solutions
Cumene	Dinitrophenol, wetted with not < 15 % water, by mass
Cupric arsenite	Dinitrophenolates alkali metals, dry or wetted with less than 15 % water, by mass
Cupric chloride (PP)	Dinitrophenolates, wetted with not < 15 % water, by mass
Cupric cyanide (PP)	Dinobuton
Cupric sulfate (PP)	Dinoseb
Cupriethylenediamine solution	Dinoseb acetate
Cuprous chloride (PP)	Dioxacarb
Cyanide mixtures	Dioxathion
Cyanide solutions	Dipentene
Cyanides, inorganic, n.o.s.	Diphacinone
Cyanogen bromide	2,4-Di- <i>tert</i> -butylphenol
Cyanogen chloride, inhibited	2,6-Di- <i>tert</i> -butylphenol
Cyanophos	Diphenyl
1,5,9-Cyclododecatiene (PP)	Diphenyl ether
Cyhexatin (PP)	Diphenyl ether/biphenyl phenyl ether mixtures
Cyrenes ( <i>o</i> -, <i>m</i> -, <i>p</i> -) (PP)	Diphenyl/diphenyl ether (mixtures)
Cypermethrin (PP)	Diphenyl oxide and biphenyl phenyl ether mixtures
2,4-D	Diphenylamine chloroarsine (PP)
DDT (PP)	Diphenylchloroarsine, solid or liquid (PP)
<i>n</i> -Decaldehyde	Disulfoton
<i>n</i> -Decanol	1,4-Di- <i>tert</i> -butylbenzene
Decyl acrylate	DNOC
Decycloxytetrahydrothiophene dioxide	DNOC (pesticide)
DEF	Dodecyl diphenyl oxide disulphonate
Di-allate	Dodecyl hydroxypropyl sulfide
Di- <i>n</i> -Butyl phthalate	1-Dodecylamine
Dialifos (PP)	Dodecylphenol (PP)
4,4'-Diaminodiphenylmethane	Drazoxolon
Diazinon (PP)	Edifenphos
1,3-Dibromobenzene	Endosulfan (PP)
Dichlofenthion (PP)	Endrin (PP)
Dichloroanilines	Epibromohydrin
1,3-Dichlorobenzene	Epichlorohydrin
1,2-Dichlorobenzene	EPN (PP)
1,4-Dichlorobenzene	EPTC (ISO)
Dichlorobenzene ( <i>m</i> -, <i>o</i> -, <i>p</i> -)	Esfenvalerate (PP)
2,2-Dichlorodiethyl ether	Ethion (PP)
Dichlorodimethyl ether, symmetrical	Ethoprophos
Di-(2-chloroethyl) ether	Ethyl acrylate, inhibited
1,1-Dichloroethylene, inhibited	Ethyl chlorothioformate
1,6-Dichlorohexane	Ethyl fluid
Dichlorophenols, liquid	2-Ethylhexaldehyde
Dichlorophenols, solid	2-Ethylbutyraldehyde
2,4-Dichlorophenoxyacetic acid (see also 2,4-D)	Ethyl mercaptan
2,4-Dichlorophenoxyacetic acid diethanolamine salt	1-Ethyl-2-methylbenzene
2,4-Dichlorophenoxyacetic acid dimethylamine salt	2-Ethylhexyl nitrate
2,4-Dichlorophenoxyacetic acid triisopropylamine salt	5-Ethyl-2-picoline
Dichlorophenyltrichlorosilane	Ethyl propenoate, inhibited
Dichlorvos (PP)	2-Ethyl-3-propylacrolein
Dicrotophos	Ethyl tetraphosphate
Dieldrin (PP)	Ethylidichloroarsine
Diethybenzenes (mixed isomers)	Ethylene dibromide and methyl bromide mixtures, liquid
Diisopropylbenzenes	2-Ethylhexenal
Diisopropylnaphthalene	Fenaminphos
Dimethoate (PP)	Fenbutatin oxide (PP)
Dimethyl disulphide	Fenitrothion (PP)
Dimethyl glyoxal (butanedione)	Fenpropathrin (PP)
Dimethylhydrazine, symmetrical	Fensulfthion
Dimethylhydrazine, unsymmetrical	Fenthion (PP)
Dimethyl sulphide	Fentin acetate (PP)
Dimethylphenols, liquid or solid	

Fentin hydroxide (PP)	Lindane (PP)
Ferric arsenate	London Purple
Ferric arsenite	Magnesium arsenate
Ferrous arsenate	Malathion
Fonofos (PP)	Mancozeb (ISO)
Formetanate	Maneb (12427-38-2)
Furathiocarb (ISO) (PP)	Maneb preparations with not < 60 % maneb
gamma-BHC ( $\gamma$ -BHC) (PP)	Maneb preparation, stabilized against self-heating
Gasoline, leaded	Maneb stabilized or Maneb preparations, stabilized against self-heating
Heptachlor (PP)	Manganese ethylene-1,2-bis dithiocarbamate
Heptenophos	Manganese ethylene-1,2-bis-dithiocarbamate, stabilized against self-heating
<i>n</i> -Heptyl aldehyde (PP)	Mephosfolan
<i>n</i> -Heptyl chloride	Mercaptodimethur
<i>n</i> -Heptylbenzene	Mecarbam
Hexachlorobutadiene (PP)	Mercuric acetate (PP)
1,3-Hexachlorobutadiene (PP)	Mercuric ammonium chloride (PP)
2,4-Hexadiene aldehyde	Mercuric arsenate (PP)
Hexaethyl tetraphosphate, liquid	Mercuric benzoate (PP)
Hexaethyl tetraphosphate, solid	Mercuric bisulphate (PP)
<i>n</i> -Hexyl chloride	Mercuric bromide (PP)
<i>n</i> -Hexylbenzene	Mercuric chloride (PP)
Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water	Mercuric cyanide (PP)
Hydrocyanic acid, anhydrous, stabilized, containing less than 3% water and absorbed in a porous inert material	Mercuric gluconate (PP)
Hydrocyanic acid, aqueous solutions not > 20% hydrocyanic acid	Mercuric iodide
Hydrogen cyanide solution in alcohol, with not more than 45% hydrogen cyanide	Mercuric nitrate (PP)
Hydrogen cyanide, stabilized with < 3% water	Mercuric oleate (PP)
Hydrogen cyanide, stabilized with < 3% water and absorbed in a porous inert material	Mercuric oxide (PP)
Hydroxydimethylbenzenes, liquid or solid	Mercuric oxycyanide, desensitized (PP)
Ioxynil	Mercuric potassium cyanide (PP)
Iron oxide, spent	Mercuric Sulphate (PP)
Iron sponge, spent	Mercuric thiocyanate (PP)
Isoamyl mercaptan	Mercuriol (PP)
Isobenzan	Mercurous acetate (PP)
Isobutyl aldehyde	Mercurous bisulphate (PP)
Isobutyl butyrate	Mercurous bromide (PP)
Isobutyl isobutyrate	Mercurous chloride (PP)
Isobutyl propionate	Mercurous nitrate (PP)
Isobutylbenzene	Mercurous salicylate (PP)
Isobutyraldehyde	Mercurous sulphate (PP)
Isodecaldehyde	Mercury acetates (PP)
Isodecanol	Mercury ammonium chloride (PP)
Isodecyl acrylate	Mercury based pesticide, liquid, flammable, toxic (PP)
Isodecyl diphenyl phosphate	Mercury based pesticide, liquid, toxic, flammable (PP)
Isofenphos	Mercury based pesticide, liquid, toxic (PP)
Isononanol	Mercury based pesticide, solid, toxic (PP)
Isooctanol	Mercury benzoate (PP)
Isooctyl nitrate	Mercury bichloride (PP)
Isoproc carb	Mercury bisulphates (PP)
Isopropenylbenzene	Mercury bromides (PP)
Isopropylbenzene (Cumene)	Mercury compounds, liquid, n.o.s. (PP)
Isotetramethylbenzene	Mercury compounds, solid, n.o.s. (PP)
Isovaleraldehyde	Mercury cyanide (PP)
Isoxathion (PP)	Mercury gluconate (PP)
Lead acetate	Mercury (I) (mercurous) compounds (pesticides) (PP)
Lead arsenates	Mercury (II) (mercuric) compounds (pesticides) (PP)
Lead arsenites	Mercury iodide
Lead compounds, soluble, n.o.s.	Mercury nucleate (PP)
Lead cyanide	Mercury oleate (PP)
Lead nitrate	Mercury oxide (PP)
Lead perchlorate, solid or solution	Mercury oxycyanide, desensitized (PP)
Lead tetraethyl	Mercury potassium cyanide (PP)
Lead tetramethyl	Mercury potassium iodide (PP)
	Mercury salicylate (PP)
	Mercury sulfates (PP)

Mercury thiocyanate (PP)	Paraoxon
Metam-sodium	Parathion (PP)
Methamidophos	Parathion-methyl (PP)
Methanethiol	PCBs (PP)
Methidathion	Pentachloroethane
Methomyl	Pentachlorophenol (PP)
<i>o</i> -Methoxyaniline	Pentalin
Methyl bromide and ethylene dibromide mixtures, liquid	Pentanethiols
2-Methylbutyraldehyde	<i>n</i> -Pentylbenzene
1-Methyl-2-ethylbenzene	Perchloroethylene
1-Methyl-4-ethylbenzene	Perchloromethylmercaptan
2-Methyl-5-ethylpyridine	Petrol, leaded
Methyl mercaptan	Phenarsazine chloride (PP)
2-Methyl-2-phenylpropane	$\delta$ -Phenothrin
Methyl salicylate	Phenthoate (PP)
3-Methylacrolein, stabilized	1-Phenylbutane
Methylchlorobenzenes	2-Phenylbutane
Methylnaphthalenes, liquid	Phenylcyclohexane
Methylnaphthalenes, solid	Phenylethylene, inhibited
Methylnitrophenols	Phenylmercuric acetate (PP)
$\alpha$ -Methylstyrene	Phenylmercuric compounds, n.o.s. (PP)
Methyl styrenes, inhibited	Phenylmercuric hydroxide (PP)
Methyltrithion	Phenylmercuric nitrate (PP)
Methylvinylbenzenes, inhibited	2-Phenylpropene
Mevinphos (PP)	Phorate (PP)
Mexacarbate	Phosalone (PP)
Mirex	Phosmet
Monocrotophos	Phosphamidon (PP)
Motor fuel anti-knock mixtures	Phosphorus, white, molten (PP)
Motor fuel anti-knock mixtures or compounds	Phosphorus, white or yellow dry or under water or in solution (PP)
Nabam	Phosphorus white, or yellow, molten (PP)
Naled	Pindone (and salts of)
Naphthalene, crude or refined	Phosphorus, yellow, molten (PP)
Naphthalene, molten	$\alpha$ -Pinene
Naphthenic acids, liquid	Pirimicarb
Naphthenic acids, solid	Pirimiphos-ethyl (PP)
<i>N,N</i> -Dimethyldodecylamine (PP)	Polychlorinated biphenyls (PP)
Nickel carbonyl (PP)	Polyhalogenated biphenyls, liquid or Terphenyls liquid (PP)
Nickel cyanide (PP)	Polyhalogenated biphenyls, solid or Terphenyls, solid (PP)
Nickel tetracarbonyl (PP)	Potassium cuprocyanide (PP)
3-Nitro-4-chlorobenzotrifluoride	Potassium cyanide, solid
Nitrobenzene	Potassium cyanide, solution
Nitrobenzotrifluorides, liquid or solid	Potassium cyanocuprate(I) (PP)
Nitrocresols	Potassium cyanomercurate (PP)
Nitrotoluenes ( <i>o</i> -; <i>m</i> -; <i>p</i> -), liquid	Potassium mercuric iodide (PP)
Nitrotoluenes ( <i>o</i> -; <i>m</i> -; <i>p</i> -), solid	Promecarb
Nitroxylenes, liquid or solid	Propachlor
1-Nonanal	Propanethiols
1-Nonanol	Propaphos
Nonylphenol	Propenal, inhibited
<i>n</i> -heptaldehyde	Propionaldehyde
<i>n</i> -Octaldehyde	Propoxur
1-Octanol	<i>n</i> -Propylbenzene
Oleylamine	Propylidene dichloride
Organotin compounds, liquid, n.o.s. (PP)	Prothoate
Organotin compounds (pesticides) (PP)	Prussic acid, anhydrous, stabilized
Organotin compounds, solid, n.o.s. (PP)	Prussic acid, anhydrous, stabilized, absorbed in a porous inert material
Organotin pesticides, liquid, flammable, toxic, n.o.s., flash point < 23°C (PP)	Pyrazophos (PP)
Organotin pesticides, liquid, toxic, flammable, n.o.s. (PP)	Quinalphos
Organotin pesticides, liquid, toxic, n.o.s. (PP)	Quizalofop (PP)
Organotin pesticides, solid, toxic, n.o.s. (PP)	Quizalofop- <i>p</i> -ethyl (PP)
Orthoarsenic acid	Rotenone
Osmium tetroxide (PP)	Salithion
Oxamyl	Silver arsenite
Oxydisulfoton	Silver cyanide

Silver orthoarsenite	Triphenyl phosphate/ <i>tert</i> -butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphates (PP)
Sodium copper cyanide, solid (PP)	Triphenyltin compounds (PP)
Sodium copper cyanide solution (PP)	Tritolyl phosphate (< 1% <i>o</i> -isomer)
Sodium cuprocyanide, solid (PP)	Tritolyl phosphate (not < 1% <i>o</i> -isomer) (PP)
Sodium cuprocyanide, solution (PP)	Trixylenyl phosphate
Sodium cyanide, solid	Turpentine
Sodium cyanide, solution	1-Undecanol
Sodium dinitro- <i>o</i> -cresolate, dry or wetted with less than 15 % water, by mass	<i>n</i> -Valeraldehyde
Sodium dinitro- <i>o</i> -cresolate, wetted with not less than 15 % water, by mass	Vinylbenzene, inhibited
Sodium pentachlorophenate (PP)	Vinylidene chloride, inhibited
Strychnine or Strychnine salts	Vinyltoluenes, inhibited mixed isomers
Styrene monomer, inhibited	Warfarin (and salts of Warfarin)
Sulfotep	White phosphorus, dry (PP)
Sulprophos (PP)	White phosphorus, wet (PP)
Tallow nitrile	White spirit, low (15-20%) aromatic
Temphos	Xylenols
TEPP	Yellow phosphorus, dry (PP)
Terbufos (PP)	Yellow phosphorus, wet (PP)
Tetrabromoethane	Zinc bromide
Tetrabromomethane	Zinc cyanide
1,1,1,2-Tetrachloroethane	
Tetrachloroethylene	
Tetrachloromethane	
Tetrachlorophenol	
Tetrachlorovinifos (PP)	
Tetrachlorvinphos	
Tetraethyl dithiopyrophosphate	
Tetraethyl lead, liquid (PP)	
Tetramethrin	
<i>n</i> -Tetramethylbenzenes	
Tetramethyllead	
Thallium chlorate	
Thallium compounds, n.o.s.	
Thallium compounds (pesticides)	
Thallium nitrate	
Thallium sulfate	
Thallos chlorate	
4-Thiapentanal	
Thiocarbonyl tetrachloride	
Triaryl phosphates, isopropylated	
Triaryl phosphates, n.o.s. (PP)	
Triazophos	
Tribromomethane	
Tributyltin compounds (PP)	
Trichlorfon	
Trichlorobenzenes, liquid	
Trichlorobutene	
Trichlorobutylene	
Trichloromethane sulphuryl chloride	
Trichloromethyl sulphochloride	
Trichloronat	
Tricresyl phosphate (< 1% <i>o</i> -isomer)	
Tricresyl phosphate, not < 1% <i>o</i> -isomer but not > 3% <i>o</i> -isomer (PP)	
Tricresyl phosphate with > 3 % <i>o</i> -isomer (PP)	
Triethylbenzene	
Triisopropylated phenyl phosphates	
1,2,3-Trimethylbenzene	
1,2,4-Trimethylbenzene	
1,3,5-Trimethylbenzene	
Trimethylene dichloride	
Triphenylphosphate (PP)	
Triphenyl phosphate/ <i>tert</i> -butylated triphenyl phosphates mixtures containing 5% to 10% triphenyl phosphates	