

## APPENDIX V

### CATEGORIES OF PESTICIDES

NIOSH recommends three categories to define the toxicity of pesticides for the various routes of exposure (oral, inhalation, and dermal). Group I contains the pesticides that pose a significant risk of (1) adverse acute health effects at low concentrations, or (2) carcinogenic, teratogenic, neurotoxic, or reproductive effects. Group II pesticides pose adverse acute health risks at moderate doses, and Group III pesticides pose minimal risk of adverse acute effects even at relatively high doses. For further discussion and clarification, refer to the 1978 NIOSH criteria document on pesticides (Criteria for a recommended standard: occupational exposure during the manufacturing and formulation of pesticides, DHEW (NIOSH) Publication No. 78-174, NTIS No. PB-81-227-001). Many of the chemicals listed as pesticides have other applications and are presented in Sections A and B.

#### GROUP I PESTICIDES

Acephate-met

3-(alpha-Acetylonylfurfuryl)-4-hydroxycoumarin

3-(alpha-Acetylonylfurfuryl)-4-hydroxycoumarin, sodium salt of  
Acrolein

Acrylonitrile (C)\*

Alachlor

Aldicarb

Aldrin (C) (T) (N)

Alkyl amine acetate (48% C12, 18% C14, 10% C18, 9% C16, 8% C8, 7% C10)  
(as in fatty acids of coconut oil)

Alkyl amine hydrochloride (as in fatty acids of coconut oil)

Alkyl amine tetrachlorophenate (as in fatty acids of coconut oil)

1-(Alkyl amino)-3-aminopropane acetate (as in fatty acids of coconut oil)

1-(Alkyl amino)-3-aminopropane hydroxyacetate (as in fatty acids of coconut oil)

1-(Alkyl amino)-3-aminopropane propionate - copper acetate complex (as in fatty acids of coconut oil)

Alkyl amino betaine (46% C12, 24% C14, 10% C16, 8% C10, 7% C8, 5% C18)

2-Alkyl-1-(2-aminoethyl)-2-imidazoline acetate

Alkyl ammonium salts

Alkyl bis(2-hydroxyethyl) amine acetate (65% C18, 30% C16, 5% C14)

N'-Alkyl-N-(2-cyanoethyl)1,3-diaminopropane (as in fatty acids of coconut oil)

Alkyl diamine monobenzoate (as in fatty acids of coconut oil)

Alkyl diethanolamide (70% C12, 30% C14)

N-Alkyl dihydroxyethyl amine oxide (50% C12, 22% C14, 10% C15, 8% C10, 5% C18)

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\*Abbreviations: (C) = suspected carcinogen; (N) = suspected neurotoxin;  
(R) = suspected reproductive effect; (T) = suspected teratogen.

N-Alkyl Dipropoxy tert-amine (47% C12, 18% C14, 10% C18, 9% C10, 8% C16, 8% C8)  
Alkyl (ethylcyclomimidinium) 3-hydroxy-3-ethyl sodium alcoholate, 2-methyl sodium carboxylate-tridecyl polyoxyethylene ethanol-iodine complex (100% C12)  
2-Alkyl 1-(2-hydroxyethyl)-1 or 3-benzyl-2-imidazolium chloride (C18 as in fatty acids of tall oil)  
2-Alkyl 1-(2-hydroxyethyl)-2-imidazoline acetate (as in fatty acids of tall oil)  
2-Alkyl 1-(2-hydroxyethyl)-2-imidazoline (C18 as in fatty acids of tall oil)  
2-Alkyl 1-hydroxyethyl imidazoline phosphate (100% C13)  
Alkyl monoethanol amide (as in fatty acids of coconut oil)  
Allyl alcohol  
Aluminum phosphide  
4-Aminopyridine  
Amiton  
Amitrole (C)  
Ammonium arsenite (C)  
Ammonium fluosilicate  
Ammonium sulfamate  
Anilino-cadmium dilactate  
ANTU ( $\alpha$ -Naphthylthiourea)  
Aromatic petroleum derivative solvent  
Aromatic petroleum distillate, oil, solvent or hydrocarbons  
Arsenic acid (C)  
Arsenic pentoxide (C)  
Arsenic sulfide (C)  
Arsenic trioxide (C)  
Auramine  
Azinphos  
Azinphos-methyl  
Benzadox, ammonium salt of  
1,2-Benzisothiazolin-3-one  
Benzoic acid  
Benzyl bromoacetate  
o-Benzyl-p-chlorophenol  
o-Benzyl-p-chlorophenol, potassium salt of  
o-Benzyl-p-chlorophenol, sodium salt of  
Benzyl diethyl ((2,6-xylylcarbonyl)methyl)ammonium benzoate  
Benzyl(dodecylcarbonylmethyl)dimethylammonium chloride  
Bifenox  
1,4-Bis(bromoacetoxy)-2-butene  
Bis(2-chloroethyl)ether (C)  
trans-1,2-Bis(propylsulfonyl) ethene  
Bis(tributyltin) adipate  
Bis(tributyltin) dodeceny succinate  
Bis(tributyltin) oxide  
Bis(tributyltin) succinate  
Bis(tributyltin) sulfide  
Bis(tributyltin) sulfosalicylate  
Bis(trichloromethyl) sulfone  
Boric acid  
Bromacil  
Bromacil, lithium salt of  
Bromacil, sodium salt of  
4-Bromoacetoxymethyl-m-dioxolane

1-Bromo-3-chloro-5,5-dimethylhydantoin  
 beta-Bromo-beta-nitrostyrene  
 Bromophos  
 1,1'-(2'Butenylene) bis(3,5,7-triaza-1-azoniaadamantane chloride)  
 tert-Butyl hydroperoxide  
 Butyric anhydride  
 Cadmium chloride  
 Calcium arsenate (C)  
 Calcium arsenite (C)  
 Calcium cyanide  
 Calcium cyanamide  
 Calcium ethylenebisdithiocarbamate (C)  
 Calcium hypochlorite  
 Calcium polysulfide  
 Captafol (T)  
 Captan (T)  
 Carbofuran  
 Carbon disulfide  
 Carbon tetrachloride (C)  
 Carbophenothion (N)  
 Carboxin  
 5-and 6-Carboxy-4-hexyl-2-cyclohexane-1-octanoic acid-iodine complex, polyoxyethylene ethanol esters of  
 Carboxymethyl-1,1-ethylcarboxymethyl-2-undecylimidazolium hydroxide, disodium salt of  
 Cetyl dimethyl ethyl ammonium bromide  
 Cetyl puridinium bromide  
 Cetyl pyridinium chloride  
 Cetyl trimethyl ammonium bromide  
 Cetyl trimethyl ammonium chloride  
 Chloramben, and esters and salts (C)  
 Chlordane (C)  
 Chlordecone (C) (N) (R)  
 Chlorfenvinfos  
 Chlorinated levulinic acid  
 Chlorine  
 Chlorine dioxide  
 Chlorobenzilate  
 4-Chloro-2-cyclopentylphenol  
 4-Chloro-2-cyclopentylphenol, potassium salt of  
 4-Chloro-2-cyclopentylphenol, sodium salt of  
 5-Chloro-2-(2,4-dichlorophenoxy)phenol  
 0-(2-Chloro-2-(2,5-dichlorophenyl)vinyl) 0,0-diethyl phosphorothioate  
 Chloroethylene bithiocyanate  
 Chloroform (C)  
 Chloromethoxypropylmercuric acetate  
 1-Chloro-2-nitropropane  
 4-Chloro-2-phenylphenol  
 6-Chloro-2-phenylphenol  
 6-Chloro-2-phenylphenol, potassium salt of  
 6-Chloro-2-phenylphenol, sodium salt of  
 2-((p-Chlorophenyl)phenylacetyl)-1,3-indandione  
 Chloropicrin  
 4-Chloropyridine n-oxide

Chlorothalonil  
4-Chloro-3,5-xyleneol  
Chlorpyrifos  
Chromic acid  
Coal tar (C)  
Coal tar acids, coal tar phenols, cresylic acid or cresols  
Coal tar neutral oils or coal tar hydrocarbons  
Coal tar phenols of coal tar acids  
Copper acetoarsenite  
Copper arsenate (C)  
Copper arsenite (C)  
Copper (metallic)  
Copper naphthenate  
Copper oxide  
Copper sulfate  
Copper sulfate, basic  
Copper-zinc-chromate complex (C)  
Coumaphos  
Creosote (wood) (C)  
Creosote (coal tar), coal tar creosote or coal tar creosote oils (C)  
Creosote oil or coal tar creosote oils (C)  
Cresol  
Cresylic acid  
Crotoxyphos  
Cryolite  
Cupric oxide  
Cyanuric acid  
Cycloheximide  
Cyhexatin  
DDD (C)  
DDT (C)  
Demetron  
Dialifor  
Dialkyl ammonium salts  
Diamidfos  
Diammonium ethylene bisdithiocarbamate (C)  
Diazinon  
1,2-Dibromo-3-chloropropane (C)(R)  
2,2-Dibromo-3-nitrilopropionamide  
Dichlone  
1,2-Dichloropropane, 1,2-dichloropropene and other related compounds  
1,3-Dichloropropene  
Dichloro-S-triazinetrione  
Dichloro-S-triazinetrione, potassium salt  
Dichloro-S-triazinetrione, sodium salt of  
Dichlorvos  
Dicrotophos  
Didecylmethyl benzyl ammonium chloride  
Dieldrin (C)(T)(N)  
0,0-Diethyl 0-(2-(diethylamino)-6-methyl-4-pyrimidinyl) phosphorothioate  
N3,N3-Diethyl-2,4-dinitro-6-(trifluoromethyl)-m-phenylenediamine  
Diethyl diphenyl dichloroethane and related compounds

N,N-Diethyl-m-toluamide, and other isomers  
Difenzoquat methyl sulfate  
Diisobutylcresoxyethoxyethyl dimethyl benzyl ammonium chloride  
Diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride  
Dimethyl 3-hydroxyglutaconate dimethyl phosphate  
4,6-Dinitro-o-cresol  
4,6-Dinitro-o-cresol, sodium salt of  
2,4-Dinitrophenol  
Dinoseb, and esters and salts  
Dioxathion  
Diphacinone, and esters and salts  
Diphenamid  
Diphenylamine  
Di(phenylmercury)ammonium propionate  
Di(phenylmercury)dodecenylsuccinate  
Diphenylstibene 2-ethylhexanoate  
Diquat dibromide  
Disodium acid methanearsonate  
Disulfoton  
DMPA (N)  
Dodecylamine lactate  
Dodecylamine salicylate  
Dodecylammonium methanearsonate  
Dodecylammonium sulfate  
Dodecylbenzene sulfonic acid  
Dodecylbenzene sulfonic acid, diethanolamine salt of  
Dodecylbenzene sulfonic acid, monoethanolamine salt of  
Dodecylbenzyl octadecyl dimethyl ammonium chloride  
Dodecylbenzyl trimethyl ammonium chloride  
Dodecylbenzyl trimethyl ammonium 2-ethylhexoate  
Dodecyldimethyl benzyl ammonium chloride  
Dodecyldimethyl benzyl ammonium naphthenate  
Dodecyldimethyl benzyl ammonium bromide  
N-Dodecyldimethyl trichlorobenzyl ammonium chloride  
Dodecyldimethyl 2,4,5-trimethyl benzyl ammonium chloride  
Dodecylguanidine hydrochloride  
Dodecylguanidine terephthalate  
Dodine and hydrochloride  
Endosulfan  
Endothall, and esters and salts  
Endrin (T)  
EPN (N)  
Ethephon  
Ethion  
Ethoprop  
Ethylene  
Ethylene dichloride  
Ethylene dibromide (C)  
Ethylene oxide  
Ethyl formate  
Ethylmercury phosphate  
Ethyl 4-(methylthio)-m-tolyl isopropylphosphoramidate

4,4'-(2-Ethyl-2-nitrotrimethylene) dimorpholine  
Fenbutatin oxide  
Fensulfothion  
Ferrous sulfate heptahydrate  
Fluoroacetamide  
Fluorodifen  
Fluosilicic acid  
Folpet (T)  
Fonofos  
Formaldehyde  
Formetanate hydrochloride  
Glutaraldehyde  
Glycolic acid  
Glycolic acid, potassium salt of  
Haloxon (N)  
Heptachlor (C)  
2-Heptadecyl-1-methyl-1-(2-(stearoylamido)ethyl) imidazolinium methyl sulfate  
1-Heptadecenyl-2-(2-hydroxyethyl) imidazolinium chloride  
2-Heptadecenyl imidazoline  
2-Heptadecenyl imidazolinium chloride  
2-Heptadecenyl-2-imidazoline acetate  
Heptadecyl hydroxyethyl imidazoline  
Heptadecyl hydroxyethyl imidazolinium chloride  
Heptadecyl hydroxyethyl imidazolinium hydrochloride  
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine  
Hexahydro-1,3,5-tris(2-hydroxypropyl)-S-triazine  
Hexakis (2-methyl-2-phenylpropyl)distannoxane  
Hydroiodic acid  
Hydrocyanic acid  
Hydrofluoric acid  
Hydrogen chloride  
2-((Hydroxymethyl)amino)-2-methylpropanol  
S-(2-Hydroxypropyl) thiomethanesulfonate  
Indole-3-butyric acid  
Iodine  
3-Iodo-2-propynyl butylcarbamate  
Isobutyric acid  
2,Isovaleryl-1,3-indandione  
2-Isovaleryl-1,3-indandione, calcium salt of  
2-Isovaleryl-1,3-indandione, sodium salt of  
Lead acetate  
Lead arsenate, basic (C)  
Lead arsenate, standard (C)  
Leptophos (N)  
Lindane  
Lithium hypochlorite  
Maneb (C)  
Mercuric chloride  
Mercuric oxide  
Mercurous chloride  
Mercury (metallic)  
Metaldehyde

Methidathion  
 Methomyl  
 Methyl bromide  
 Methyl dodecyl benzyl trimethyl ammonium chloride 80% and methyl dodecyl xylene bis(trimethyl ammonium chloride) 20%  
 2,2'-Methylene bis(4-chlorophenol)  
 2,2'-Methylene bis(4-chlorophenol), sodium salt of  
 2,2'-Methylene bis(4,6-dichlorophenol), sodium salt of  
 Methylene bis(thiocyanate)  
 2,2'-Methylene bis(3,4,6-trichlorophenol)  
 2,2'-Methylene bis(3,4,6-trichlorophenol), disodium salt of  
 2,2'-Methylene bis(3,4,6-trichlorophenol), monosodium salt of  
 Methylmercury quinolinolate  
 Methyl parathion  
 Metolachlor  
 Mevinphos  
 Mexacarbate  
 Mirex (C)  
 Monocrotophos  
 Nabam (C)  
 Naled  
 Nicotine or nicotine alkaloid  
 Nicotine sulfate  
 4-(2-Nitrobutyl)morpholine  
 2-Nitro-1-butyl phosphate  
 Nitrofen (C)  
 2-Nitropropane (C)  
 Nonylphenoxypolyethoxyethanol-iodine complex  
 Octyl decyl dimethyl ammonium chloride  
 Octyl dodecyl dimethyl ammonium chloride  
 2-N-Octyl-4-isothiazolin-3-one  
 Oil of citronella  
 Oxalic acid  
 Oxamyl  
 Paraformaldehyde  
 Paraquat bis(methylsulfate)  
 Paraquat dichloride  
 Parathion  
 Parinol  
 PCNB  
 Pentachlorophenol  
 Pentachlorophenol, fatty acid esters of (100 % C6-C20)  
 Pentachlorophenol, potassium salt of  
 Pentachlorophenol, zinc salt of alkyl-N-propanediamine (C16-C18)  
 n-Pentyl valerate  
 Perfluidone  
 Petroleum distillate, oils, solvent, or hydrocarbons; also paraffinic hydrocarbons, aliphatic hydrocarbons, paraffin oil  
 Phenol  
 Phenylmercuric acetate  
 Phenylmercuric ammonium acetate  
 Phenylmercuric ammonium propionate

Phenylmercuric borate  
Phenylmercuric carbonate  
Phenylmercuric 2-ethylhexanoate  
Phenylmercuric formamide  
Phenylmercuric lactate  
Phenylmercuric oleate  
Phenylmercuric propionate  
Phenylmercuric triethanol ammonium lactate  
o-Phenylphenol  
o-Phenylphenol, alkenyl amine salt of (100% C8-C18)  
o-Phenylphenol, alkyl amine-copper salt of (100% C8-C18)  
o-Phenylphenol, alkyl amino-zinc salt of (100% C18)  
o-Phenylphenol, ammonium salt of  
o-Phenylphenol, potassium salt of  
o-Phenylphenol, tetradecylamine salt of  
Phorate  
Phosazetim  
Phosmet (T)  
Phosphamidon  
Phosphoric acid  
Phosphorus  
Pindone and salts  
Polyethoxypolypropoxyethanol-iodine complex  
Poly(oxyethylene(dimethylimino)ethylene (dimethyliminio)ethylene dichloride  
Polyram (C)  
Potassium ammonium ethylene bisdithiocarbamate (C)  
Potassium chromate  
Potassium cyanate  
Potassium dichromate  
Potassium N-hydroxymethyl-N-methyldithiocarbamate  
Potassium mercuric iodide  
Potassium permanganate  
Profluralin  
Propargite  
Propionic acid  
Propylene oxide  
Pyridylmercuric acetate  
N1-(2-Quinoxaliny)ulfanilamide  
Red squill  
Silver fluoride  
Sodium aluminum fluosilicate  
Sodium arsenate (C)  
Sodium arsenite (C)  
Sodium azide  
Sodium bisulfite  
Sodium bisulfate  
Sodium chlorite  
Sodium chromate  
Sodium cyanide  
Sodium dichromate  
Sodium fluoride  
Sodium fluoroacetate

Sodium fluosilicate  
 Sodium hydroxide  
 Sodium hypochlorite  
 Sodium pentachlorophenate  
 Sodium phosphate  
 Sodium pyroarsenate (C)  
 Stoddard solvent  
 Strychnine  
 Strychnine sulfate  
 Sulfamic acid  
 Sulfur  
 Sulfur dioxide  
 Sulfuric acid  
 Sulfuryl fluoride  
 Tartar emetic  
 TEDP  
 TEPP  
 Terbufos  
 Terpene polychlorinates  
 2,4,5-T, and esters and salts (T)  
 1,1,2,2-Tetrachloroethane (C)  
 Tetrachloroethylene (C)  
 2,3,5,6-Tetrachloro-4-(methylsulfonyl)pyridine  
 Tetrachlorophenols  
 Tetrachlorophenols, alkyl amine salt (as in fatty acids of coconut oil)  
 Tetrachlorophenols, potassium salt of  
 Tetrachlorvinphos (C)  
 3,3,4,4-Tetrachlorotetrahydrothiophene-1,1-dioxide (92%) and other chlorinate thiophene dioxide (8%)  
 Tetradecylbenzene sulfonate-hypochlorous acid complex  
 Tetradifon  
 Tetrahydro-3,4-dimethyl-2H-1,3,5-thiadiazine-2-thione  
 2-(4-Thiazolyl)benzimidazole  
 2-(Thiocyanomethylthio)benzothiazole  
 Thiram (T)  
 Toxaphene  
 S,S,S-Tributyl phosphorotrithioate (N)  
 S,S,S-Tributyl phosphorotrithioite (N)  
 Tributyltin fluoride  
 Tributyltin monopropylene glycol maleate  
 Tributyltin neodecanoate  
 Trichloroacetic acid  
 Trichloroacetic acid, sodium salt  
 Trichloroethylene (C)  
 2,4,5-Trichlorophenol  
 2,4,5-Trichlorophenol, sodium salt of  
 2,3,5-Trichloro-4-propylsulfonyl pyridine 36% other chlorinated pyridines mono(trichloro)tetra  
 (monopotassiumdichloro)penta-s- triazinetrione 4% inert 60%  
 Trichloro-S-triazinetrione  
 $\alpha, \alpha, \alpha$  Trifluoro-4-nitro-m-cresol  
 Trifluralin (C)  
 Triforine  
 3-(Trimethoxysilyl)propyl dimethyl octadecylammonium chloride

**Triphenyltin fluoride**

**Triphenyltin hydroxide**

**Trisodium phosphate**

**Vinylene bis(thiocyanate)**

**Warfarin**

**Warfarin, sodium salt of**

**Xylene**

**Zinc ion and manganese ethylen bisdithiocarbamate 80%, a coordination product of manganese 16%, zinc 2%, ethylene bisdithiocarbamate 62% (C)**

**Zinc mercury chromate (C)**

**Zinc phosphide**

**Zinc 2-pyridinethiol 1-oxide**

**Zineb (C)**

**Ziram**

**GROUP II PESTICIDES**

alpha-Alkyl-omega-hydroxypoly(oxyethylene)(100% C12-C15)  
 Alkyl poly(oxypropylene) poly(oxyethylene)-iodine complex (100% C12-C15)  
 Alkyl 1,3-propanediamine (53% C12, 19% C14, 8.5% C16, 7% C8, 6.5% C10, 6% C18)  
 Alkyl 1,3-propylenediamine (as in fatty acids of coconut oil)  
 Alkyl 1,3-propylenediamine (42% C12, 26% C18, 15% C14, 8% C16, 5% C10, 4% C8)  
 Alkyl 1,3-propylenediamine (47% C12, 18% C14, 10% C18, 9% C10, 8% C16, 8% C8)  
 N-Alkyl 1,3-propylenediamine acetate (as in coconut oil fatty acids)  
 Alkyl 1,3-propylenediamine acetate (47% C12, 18% C14, 10% C18, 9% C10), 8% C16, 8% C8)  
 N-Alkyl 1,3-propylenediamine adipate (as in fatty acids of coconut oil)  
 Alkyl 1,3-propylenediamine monobenzoate (as in fatty acids of coconut oil)  
 Allethrin  
 Ametryn  
 Amitraz  
 Ammonium polysulfides  
 Antimycin A  
 B. lentimorbus  
 B. popilliae  
 B. thuringiensis  
 BAN  
 Barium carbonate  
 Barium metaborate  
 Bentazon, sodium salt of  
 Benzaldehyde  
 4-Benzothienyl methylcarbamate  
 Benzyl alcohol  
 Benzyl benzoate  
 (5-Benzyl-3-furyl)methyl 2,2-dimethyl-3-(2-methylpropenyl) cyclopropane-carboxylate  
 2,3,4,5-Bis(2-butylene)tetrahydro-2-furaldehyde  
 1,1-Bis(chlorophenyl)-2,2,2-trichloroethanol  
 Bis(tripropyltin) oxide  
 Bone oil  
 2-Bromo-4'-hydroxyacetophenone  
 Bromoxynil octanoate  
 Bufencarb  
 2-Butanol  
 2-Butoxyethanol  
 Butoxypolypropoxypolyethoxyethanol-iodine complex  
 Butralin  
 tert-Butyl alcohol  
 sec-Butylamine  
 tert-Butyl dimethyltrithioperoxycarbamate  
 Cacodylic acid  
 Cacodylic acid, sodium salt of  
 Cadmium-calcium-copper-zinc-sulfate-chromate complex  
 Cadmium carbonate  
 Cadmium sebacate  
 Cadmium succinate  
 Cadmium sulfate  
 Calcium propanearsonate

Calcium propionate  
Carbaryl  
Cetyl alcohol  
n-Cetyl-n-ethyl morpholinium ethylsulfate  
Chloranil  
Chlordimeform  
Chlordimeform hydrochloride  
2-Chloroallyl diethyldithiocarbamate  
1-(3-Chloroallyl)-3,5,6-triaza-1-azoniaadamantane chloride  
S-(4-Chlorobenzyl) diethylthiocarbamate  
4-Chloro-m-cresol  
2-((4-Chloro-6-(ethylamino)-S-triazine-2-yl)amino)-2-methyl-propionitrile  
2-Chloroethyl trimethyl ammonium chloride  
2-Chloro-n-isopropylacetanilide  
5-Chloro-2-mercaptobenzothiazole, lauryl pyridinium salt of  
o-Chlorophenol  
o-Chlorophenol, sodium salt of  
p-Chlorophenoxyacetic acid, diethanolamine salt of  
2-(m-Chlorophenoxy)propionamide  
2-(m-Chlorophenoxy)propionic acid  
2-(m-Chlorophenoxy)propionic acid, sodium salt of  
p-Chlorophenyl diiodomethyl sulfone  
2-Chloro-4-phenylphenol  
2-Chloro-4-phenylphenol, potassium salt of  
2-Chloro-4-phenylphenol, sodium salt of  
4-Chloro-2-phenylphenol, potassium salt of  
4-Chloro-2-phenylphenol, sodium salt of  
4 and 6-Chloro-2-phenylphenol, diethanolamine salt of  
3-Chloro-p-toluidine hydrochloride  
d-trans-Chrysanthemum monocarboxylic acid ester of d-2-allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one  
Copper carbonate  
Copper oleate  
Copper 8-quinolinolate  
Copper salts of fatty and rosin acids  
Crufomate  
Cube resins  
3-Cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione  
Cythioate  
2,4-D  
2,4-D, alkanolamine salts of ethanol and isopropyl series of  
2,4-D, butyl ester of  
2,4-D, dimethylamine salt of  
2,4-D, isooctyl (2-ethylhexyl) ester of  
2,4-D, isooctyl (2-octyl) ester of  
2,4-D, isopropyl ester of  
2,4-D, lithium salt of  
2,4-D, n-oleyl-1,2-propylenediamine salt of  
2,4-D, potassium salt of  
2,4-D, triethanolamine salt of  
2,4-DB  
2,4-DB, dimethylamine salt of  
1-Decanol

Demeton-S-methyl  
 Desmedipham  
 N,N-Diallyl-2-chloroacetamide  
 Dicapthon  
 Dichlobenil  
 Dichlofenthion  
 o-Dichlorobenzene  
 p-Dichlorobenzene  
 2,4-Dichloro-6-(o-chloroanilino)-5-triazine  
 1,3-Dichloro-5,5-dimethylhydantoin  
 2,6-Dichloro-4-nitroaniline  
 4,6-Dichloro-2-phenylphenol  
 4,6-Dichloro-2-phenylphenol, potassium salt of  
 3',4'-Dichloropropionanilide  
 Dichlorprop, and esters and salts  
 Diethylene dithiobis (thionoformate)  
 Diethylene glycol monomethyl ether  
 1,2-Dihydro 3,6-pyridazinedione  
 1,2-Dihydro-3,6-pyridazinedione, diethanolamine salt of  
 1,2-Dihydro-3,6-pyridazinedione, potassium salt of  
 Diiodomethyl p-tolyl sulfone  
 Diisobutyl ketone  
 Dimethoate  
 p-(Dimethylamine) benzenediazo sodium sulfonate  
 2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate  
 Dimethyl tetrachloroterephthalate  
 Dimethyl(2,2,2-trichloro-1-hydroxyethyl)phosphonate ester of butyric acid  
 2,4-Dinitrochlorobenzene  
 Diphenylacetone nitrile  
 Disodium 2,2'-thiobis(4,6-dichlorophenate)  
 Diuron  
 Epichlorohydrin  
 Erbon  
 Ethanol  
 6-Ethoxy-1,2-dihydro-2,2,4-trimethyl quinoline  
 5-Ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole  
 S-Ethyl dipropylthiocarbamate  
 Ethylenediamine  
 S-Ethyl hexahydro-1H-azepine-1-carbothioate  
 Eugenol  
 Famphur  
 Fatty alcohols (54.5% C10, 45.1% C8, 0.4% C6)  
 Fatty alcohols (56% C10, 42% C8, 1.5% C12, 0.5% C6)  
 Fatty alcohols (55.10% C10, 42.88% C8, 1.01% C6, 1.01% C12)  
 Fenitrothion  
 Fenthion  
 Fluchloralin  
 Glyphosate, isopropylamine salt of  
 Hexachlorobenzene  
 Hexachlorocyclohexane, technical  
 Hexachlorocyclopentadiene  
 Hexachloroethane

2-((Hydroxymethyl)amino)ethanol  
2-(Hydroxymethyl)-2-nitro-1,3-propanediol  
3-Hydroxy-N,N,5-trimethylpyrazole-1-carboxamide dimethylcarbamate  
Isobornyl acetate  
Isobornyl thiocanoacetate  
Isobutanol  
Isopropanol  
o-Isopropoxyphenyl methylcarbamate  
Isopropyl N-(3-chlorophenyl)carbamate  
Isopropyl N-phenylcarbamate  
Karbutilate  
Malathion  
MCPA, and esters and salts  
MCPB, and esters and salts  
Menthol  
2-Mercaptobenzothiazole, and esters and salts  
Methanol  
Methazole  
Methiocarb  
Methylated aromatic petroleum derivative  
Methylated naphthalenes  
Methylcarbophenothion  
2,2'-Methylene bis(4,6-dichlorophenol)  
Methylene chloride  
Methyl esters of fatty acids (C8 - C12)  
Methyl ethyl ketone  
Methyl isobutyl ketone  
Methyl isothiocyanate  
Methyl nonyl ketone  
4-(Methylthio)-3,5-xylyl methylcarbamate  
Mineral oil, mineral seal oil, white mineral oil  
Monuron  
Monuron trichloroacetate  
1-Naphthaleneacetic acid, and esters and salts  
(2-Naphthyloxy) acetic acid  
N-1-Naphthylphthalamic acid, and esters and salts  
Neodecanoic acid  
Nitrapyrin  
N-9-Octadecenyl-1,3-propanediamine monogluconate  
1-Octanol  
Oleic acid  
Ovex  
10,10'-Oxybisphenarsazine  
10,10'-Oxybisphenoxarsine  
Peroxyacetic acid  
Phenmedipham  
Phenothiazine  
Phenthoate  
2-Phenylethanol  
2-Phenylethyl propionate  
Phosalone  
Pine oil

Pine tar  
Pine tar oil  
Piperonyl butoxide  
Polybutene  
Potassium gibberellate  
Prometon  
Pyrethrins  
Pyrethrum powder other than pyrethrins  
N-3-Pyridylmethyl-N'-p-nitrophenylurea  
Ronnel  
Rotenone  
Sabadilla alkaloids  
Silicon dioxide  
Silvex, and esters and salts  
Simazine  
Sodium N,N-dimethyl dithiocarbamate  
Sodium methyldithiocarbamate  
Sodium propionate  
Sodium 2-pyridinethio 1-oxide  
Streptomycin  
Streptomycin sulfate  
Sulfoxide  
Temephos  
1,2,4,5-Tetrachloro-3-nitrobenzene  
Tetraglycine hydroperiodide  
Tetraiodoethylene  
0,0,0,0-Tetrapropyl dithiopyrophosphate  
Thiobencarb  
3,4'-5-Tribromosalicylanilide  
Tributyltin acetate  
Tributyltin benzoate  
Tributyltin chloride  
Tributyltin chloride complex of ethylene oxide condensate of abietylamine  
Tributyltin resinate  
Trichlorfon  
2,3,6-Trichlorobenzoic acid and related polychlorobenzoid acids, dimethylamine salt of  
Triethylene glycol  
Trimethylbenzyl ammonium resin, polybromide form  
3,4,5 and 2,3,5-Trimethylphenyl methylcarbamate  
Xylene range aromatic solvent  
Zinc fluosilicate  
Zinc naphthenate  
Zinc sulfate  
Zinc sulfate, basic

## GROUP III PESTICIDES\*

Acephate  
Acetic acid  
Acetone  
Acrylic polymer resins  
Allantoin  
Allyl isothiocyanate  
Aluminum chloride  
Aluminum chlorohydroxy allantoinate  
Aluminum hydroxybenzenesulfonate  
Aluminum sulfate  
Amidithion  
4-Amino-6-tert-butyl-3-(methylthio)-as-triazine-5(4H)-one  
Ammonia  
Ammonium alum  
Ammonium carbonate  
Ammonium citrate  
Ammonium hydroxide  
Ammonium hydroxide - C8 fatty acid silver complex  
Ammonium isobutyrate  
Ammonium lauryl sulfate  
Ammonium oleate  
Ammonium oxalate  
Ammonium sulfate  
Ammonium thiosulfate  
Amyl acetate  
o-sec-Amylphenol  
p-tert-Amylphenol  
p-tert-Amylphenol, potassium salt of  
p-tert-Amylphenol, sodium salt of  
Anabasin  
Ancymidol  
Anthracene oil  
Asphalt  
Asulam, sodium salt of  
Atrazine  
Benomyl  
Bensulide  
d-trans(5-Benzyl-3-furyl) methyl 2,2-dimethyl-3-(2-methylpropeny) cyclopropane carboxylate  
Binapacryl  
Biphenyl  
2,2-Bis(4-chlorophenyl)ethanol

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\*Approximately 350 compounds in Group III were placed there by default (i.e., there were no data on which to base their classification in another group). For further explanation see Chapter 6 of the NIOSH criteria document on pesticides (Criteria for a recommended standard: occupational exposure during the manufacturing and formulation of pesticides, DHEW (NIOSH) Publication No. 78-174, NTIS No. PB-81-227-001).

2,6-Bis((dimethylamino)methyl)cyclohexanone  
N,N-Bis(2-hydroxyethyl) lauramide  
Bismuth subgallate  
Borax  
Butoxypolypropylene glycol  
beta-Butoxy beta'-thiocyano diethyl ether  
N-Butylacetanilide  
Butyl 3,4-dihydro-2,2-dimethyl-4-oxo-1,2H-pyran-6-carboxylate  
1,3-Butylene glycol  
2-Butyl-2-ethyl-1,3-propanediol  
N-Butyl-N-ethyl-alpha,alpha,alpha-trifluoro-2,6-dinitro-p-toluidine  
p-tert-Butylphenol  
p-tert-Butylphenol, potassium salt of  
p-tert-Butylphenol, sodium salt of  
1-(p-tert-Butylphenoxy)-1-methylethyl 1-chloroethyl sulfite  
Butyl p-hydroxybenzoate  
Calcium acid methanearsonate  
Calcium chloride  
Calcium chlorate  
Calcium naphthenate  
Calcium phosphate  
Calcium thiosulfate  
Camphor  
Camphor oil  
Canadian balsam  
Capsaicin (in oleoresin of capsicum)  
Carbon  
Castor oil  
Cedar leaf oil  
Cedarwood oil  
Chloramine B  
Chloramine T  
Chlorbromuron  
Chlorobutanol  
Chloroneb  
0-(3-Chloro-4-nitrophenyl) 0,0-dimethyl phosphorothioate  
p-Chlorophenyl phenyl sulfone  
p-Chlorophenyl 2,4,5-trichlorophenyl sulfide  
Chloropropylate  
5-Chlorosalicylanilide  
2-Chloro-2''-(2,4,6-trichlorophenocyl)diethyl ether  
Chloroxuron  
6-(and 2)-Chloro-3,4-xylyl methylcarbamate  
Chromic acetate  
Citral  
Citric acid  
Cobalt naphthenate  
Cod liver oil  
Copper acetate  
Copper ammonium carbonate  
Copper chloride, basic  
Copper chloride (dihydrate)

Copper dehydroarietyl ammonium 2-ethylhexoate  
Copper ethylenediaminetetraacetate  
Copper 2-ethylhexoate  
Copper hydroxide  
Copper hydroxynaphthenate  
Copper linoleate  
Copper oxalate  
Copper oxychloride  
Copper oxychloride sulfate  
Copper pyrophosphate  
Copper salts of the acids of tall oil  
Copper sulfate monohydrate  
Copper sulfate pentahydrate  
Cottonseed oil  
Cupric ferric subsulfate complex  
Cupric zinc sulfate complex, basic  
Cuprous thiocyanate  
Cyanogen chloride  
Cyclohexane  
Cyclohexanone  
2-Cyclohexylcyclohexanol  
Cyprazine  
2,4-D, alkyl amine salt of (as in tall oil fatty acids)  
2,4-D, alkyl amine salt of (C12)  
2,4-D, alkyl amine salt of (C13)  
2,4-D, ammonium salt of  
2,4-D, amyl(pentyl) ester of  
2,4-D, butoxyethoxypropyl ester of  
2,4-D, butoxyethyl ester of  
2,4-D, butoxypolyethoxypropyl ester of  
2,4-D, butoxypropyl ester of  
2,4-D, diethanolamine salt of  
2,4-D, diethylamine salt of  
2,4-D, diethylethanolamine salt of  
2,4-D, diisopropylamine salt of  
2,4-D, N,N-dimethyloleyleamine salt of  
2,4-D, N,N-dimethyl oleyl-linoleyl amine salt of  
2,4-D, dipropylene glycol isobutyl ether ester of  
2,4-D, ethanolamine salt of  
2,4-D, ethoxyethoxyethyl ester of  
2,4-D, ethoxyethoxypropyl ester of  
2,4-D, ethylamine salt of  
2,4-D, ethylene glycol butyl ether ester of  
2,4-D, ethyl ester of  
2,4-D, heptylamine salt of  
2,4-D, isoctyl (2-ethyl-4-methylpentyl) ester of  
2,4-D, isopropanolamine salt of  
2,4-D, isopropylamine salt of  
2,4-D, isobutyl ester of  
2,4-D, Linoleylamine salt of  
2,4-D, methylamine salt of  
2,4-D, methyl ester of

2,4-D, morpholine salt of  
 2,4-D, octylamine salt of  
 2,4-D, oleylamine salt of  
 2,4-D, polyethylene glycol 200 ester of  
 2,4-D, polypropoxybutyl ester of  
 2,4-D, polypropylene glycol ester of  
 2,4-D, propylamine salt of  
 2,4-D, propylene glycol butyl ether ester of  
 2,4-D, propylene glycol isobutyl ether ester of  
 2,4-D, propylene glycol ester of  
 2,4-D, sodium salt of  
 2,4-D, triethylamine salt of  
 2,4-D, triisopropanolamine salt of  
 2,4-D, trimethylamine salt of  
 2,4-D, tripropyleneglycol isobutyl ether ester of  
 2,4-D, tetrahydrofurfuryl ester of  
 Dalapon  
 Dalapon, diethyleneglycol ester of  
 Dalapon, magnesium salt of  
 Dalapon, sodium salt of  
 Daminozide  
 2,4-DB, butoxyethanol ester of  
 2,4-DB, butyl ester of  
 2,4-DB, isooctyl ester of  
 Decachlorobis(2,4-cyclopentadiene-1-yl)  
 Dehydroabietylamine  
 Dehydroabietylamine acetate  
 Dehydroabietylamine-ethylene oxide condensate  
 Dehydroabietyammonium pentachlorophenoxide  
 Dehydroabietylammonium phenoxide  
 Derris resins  
 Dextrin  
 Diacetone alcohol  
 1,5-Diamino-2,2-difluorohexane  
 20,25-Diazachlolestenol dihydrochloride  
 2,3-Dibromopropionaldehyde  
 3,5-Dibromosalicylanilide  
 4',5-Dibromosalicylanilide  
 3,5-Dibromo-3'-(trifluoromethyl)salicylanilide  
 2,6-Di-tert-butyl-p-cresol  
 Dibutyl succinate  
 2,6-Di-tert-butyl-p-tolyl methylcarbamate  
 Dicamba, and esters and salts  
 Dichlormate  
 S-(2,3-Dichloroallyl) diisopropylthiocarbamate  
 Dichlorodifluoromethane  
 3,4-Dichloro-N-(1,1-dimethyl-2-propynyl)benzamide  
 4,4'-Dichloro-alpha-methylbenzhydrol  
 2',5-Dichloro-4'-nitrosalicylanilide, 2-aminoethanol salt of  
 2,4'-Dichlorophenyl ester of benzenesulfonic acid  
 p-(N,N-Dichlorosulfamoyl)benzoic acid  
 Dicryl

Dicyclopentadiene-linseed oil copolymer  
Di(dehydroabietyl)amine acetate  
Diethanolamine myristate-iodine complex  
2-(2-(2-N,N-Diethylamino)ethoxy)bornane  
N,N Diethyl 2 (1-naphthalenyloxy)propionamide  
Diethyl 4,4'-O-phenylenebis (3-thioallophanate)  
Dihydroabietylamine acetate  
5,10-Dihydro-5,10-dioxonaphtho(2,3-8)-p-dithiin-2,3-dicarbonitrile  
Dihydrorotenone  
N,N-Di(hydroxyethyl)alkyl amine (as in soybean fatty acids)  
5,7-Diiodo-8-quinolinol  
Diisobutylphenoxyethanol  
Dilauryl dimethyl ammonium bromide  
Dimethrin  
2-(Dimethylamino)-4,5-dimethyl-4-pyrimidinyl dimethylcarbamate  
4-(Dimethylamino)-m-tolyl methylcarbamate  
2,6-Dimethyl-m-dioxan-4,01 acetate  
N,N-Dimethyldodecylamine acetate  
Dimethyl isopropylaminophenanthrene  
Dimethyl ((4-methyl-1,3-phenylenebis(iminocarbonyl-1H-benzimidazole-1,2-diyl))biscarbamate  
N'-(2,4-Dimethylphenyl)-N-(((2,4-dimethylphenyl)imino)methyl)-N-methanimidamide  
Dimethyl phthalate  
2,4-Dinitro-6-octyl phenyl crotonate, 2,6-dinitro 4-octyl phenyl crotonate, and nitrooctylphenols  
(principally dinitro)  
Di-n-propylmaleate isosatrole condensate  
Dioctyl sodium sulfosuccinate  
Dipropetryn  
Dipropylene glycol  
Dipropylene glycol methyl ether  
Dipropyl insocinchommmeronate  
Disodium cyanodithioimidocarbonate  
Disodium dihydroxyethyl ethylenediamine diacetate  
Disodium 4-dodecyl-2,4'-oxydibenzenesulfonate  
Disodium N-(2-hydroxyethyl)iminodiacetate  
Disodium monoethanolamine phosphate  
Disodium octaborate tetrahydrate  
Disodium 2,2'-oxybis(4-dodecylbenzenesulfonate)  
2,2'-Dithiobisbenzothiazole  
Beta,beta'-dithiocyano diethyl ether  
Dodecyldiethylamine  
Dried blood  
Essential oils or perfume  
Ester gums  
Ethanolamine  
Ethiolate  
2-Ethoxyethyl-p-methoxycinnamate  
Ethoxylated monoethanolamine of lauric acid  
Ethoxylated lanolin  
Ethyl acetate  
Ethyl p-aminobenzoate  
2-(Ethylamino)-4-(isopropylamino)-6-methoxy-S-triazine  
S-Ethyl cyclohexylethylthiocarbamate

S-Ethyl diisobutylthiocarbamate  
 Ethyl alpha-((dimethoxyphosphinothionyl)thio) benzeneacetate  
 Ethylenediaminetetraacetic acid, and esters and salts  
 Ethylene glycol  
 Ethylene glycol bis(trichloroacetate)  
 Ethylene glycol ether of pinene  
 Ethylene glycol monomethyl ether  
 1-Ethyl-2-heptadecenyl-1-(2-hydroxyethyl) imidazolium bromide  
 2-Ethyl-1,3-hexanediol  
 2-Ethylhexoate salt of magnesium quinolinolate  
 Ethyl p-hydroxybenzoate  
 N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzamide  
 Fenuron  
 Ferbam  
 Ferric sulfate  
 Ferrous ammonium sulfate  
 Fluoridamid, diethanolamine salt of  
 Fluometuron  
 Fospirate  
 Fuel oil  
 Fumaric acid  
 Furfural  
 Gibberellic acid  
 Gluconic acid  
 Glycerol  
 Glyceryl p-aminobenzoate  
 Glyphosine  
 Gum resins  
 Hardwood distillate  
 Hardwood oil  
 Heavy aromatic naphtha  
 Hexachloroacetone  
 3,4,5,6,7,7-Hexachloro-N-(methylmercuri)-1,2,3,6-tetrahydro-3,6-endomethano-phthalimide  
 Hexahydro-1,2,5-triethyl-S-triazine  
 Hexamethylenetetramine  
 1,1'-Hexamethylene bis(5-(p-chloropheny)giguamide)diacetate  
 n-Hexanol  
 Hydrocortisone  
 Hydrogenated castor oil  
 Hydroxyethylenediaminetetraacetic acid, sodium salt of  
 Hydroxyethylethylenediaminetriacetic acid, trisodium salt of  
 1-(2-Hydroxyethyl)-2-heptadecenylimidazoline  
 2-Hydroxyethyl octyl sulfide  
 Ichthammol  
 Iodine-potassium iodide complex  
 Isocil  
 Isooctyl phenoxy polyethoxy ethanol  
 Isophorone  
 Isopropalin  
 Isopropyl-o-cresol  
 Isopropyl lanolin  
 Isopropyl myristate

m-Isopropylphenyl methylcarbamate  
Isothymoxy chloroethyl ether  
Juniper tar  
Kerosene or deodorized base oil  
Lanolin  
Larkspur alkaloid  
N-Lauroyl ester of colaminoformylmethylpyridinium chloride  
Lauryl alcohol  
Lauryl diethanolamide  
N-Lauryl diethylene triamine  
Lauryl isoquinolinium bromide  
Lauryl methacrylate  
Limonene  
Linseed oil  
Linuron  
Lithium stearate  
Magnesium chloride  
Magnesium fluosilicate  
Magnesium lauryl sulfate  
Magnesium silicate  
Magnesium sulfate  
Magnesium trichloroacetate  
Malachite green  
Manganous benzothiazylmercaptide  
Manganous dimethyl dithiocarbamate  
Methapyrilene hydrochloride  
Methoprene  
Methoxychlor  
1-Methoxy-4-propenylbenzene  
Methyl 2-chloro-9-hydroxyfluorene-9-carboxylate 65-70%, methyl 9-hydroxy-fluorene-9-carboxylate 11-13%,  
methyl 2,7-dichloro-9-hydroxyfluorene-9-carboxylate 12-19%  
Methyl-2,2,3-dibromopropionate  
Methyl 3-(dimethoxy phosphinyl)oxy crotonate, alpha isomer and related compounds  
Methylene blue  
Methyl p-hydroxybenzoate  
2-Methyl-1-naphthaleneacetamide  
2-Methyl-1-naphthaleneacetic acid  
Methyl naphthalene sulfonate  
2-Methyl-2,4-pentanediol  
3-(2-Methylpiperidino)propyl 3,4-dichlorobenzoate  
6-Methyl-2,3-quinoxalinedithiol cyclic S,S-dithiocarbonate  
Methylrosaniline chloride  
Methyl salicylate  
4-(Methylsulfonyl)-2,6-dinitro-N,N-dipropylaniline  
2,2'-(1-Methyltrimethylenedioxy)bis(4-methyl-1,3,2-dioxaborinane)  
Metobromuron  
Mineral spirits  
Mixed alkyl pyridines  
Monoammonium acid methanearsonate  
Monoethanolamides of the fatty acids of coconut oil  
Monoethanolamine laurate  
Monoethanolamine oleate

Monosodium acid methanearsonate  
Monosodium phosphate  
Morpholine  
Morpholine polyethoxyethanol  
1-Naphthaleneacetamide  
Naphthalene  
beta-Naphthol  
Neburon  
Neomycin  
Neomycin sulfate  
Nickel sulfate hexahydrate  
Nitrilotriacetic acid, trisodium salt of  
Nitrocellulose  
N(alpha-(1-Nitroethyl)benzyl)ethylenediamine, potassium salt of  
2-Nitro-2-methyl-1,3-propanediol  
p-Nitrophenol  
Nonylphenoxypolyethoxyethanol  
Norbormide  
Norea  
Norflurazon  
Octachlorohexahydro-4,7-methanoisobenzofuran  
Octamethylpyrophosphoramidate  
Octanoic acid ester of 3,5-dibromo-4-hydroxybenzotrile  
Octylammonium methanearsonate  
N-Octyl bicyclohepten dicarboximide  
Octylphenol  
Octylphenoxypolyethoxyethanol-iodine complex  
N-Octyl sulfoxide of isosafrole  
Oil camphar sassafrazz  
Oil of anise  
Oil of eucalyptus  
Oryzalin  
2,2'-Oxybis(4,4,6-trimethyl-1,3,2-dioxaborinane)  
Oxycarboxin  
Oxyethylated-tert-butylphenol  
Oxytetracycline  
Paloja  
Pentachlorodihydroxytriphenylmethanesulfonic acid  
Pentane  
1-Pentanethiol  
Pentasodium diethylenetriamine acetate  
Piperazine-carbon disulfide complex  
Petroleum resins  
Phenarsazine chloride  
Phenolic-tung oil varnish  
Phenolsulfonic acid  
3-Phenyl-1,1-dimethylurea trichloroacetate  
N-(1-Phenyl-2-nitropropyl) piperazine, potassium salt of  
Picloram, and esters and salts  
Pinene  
Piperazine dihydrochloride  
Piperonal bis(2-(2-butoxyethoxy)ethyl) acetal

Polyamidohygrostreptin  
Polychlorobicyclopentadiene isomers(chlorine content 60-62% or 62-64%)  
Polyethoxypolypropoxypolyethoxyethanol,N-alkyl di(beta-hydroxyethyl) benzyl ammonium chloride-iodine complex (54% C12, 18% C14, 9% C18, 9% C16, 5% C10, 5% C8)  
Polyethoxypolypropoxypolyethoxyethanol-N-alkyl dimethyl-3,4-dichlorbenzyl ammonium chloride-iodine complex (50% C12m 30% C14, 17% C16, 3% C18)  
Polyethoxypolypropoxypolyethoxy ethanol-iodine complex  
Polyethylene  
Polyethylene condensate with abietylamine  
Polyethylene glycol distearate  
N-Polyethylene polyamine (18-mole) N-oleylamine hydrochloride  
Polyisobutylene  
Polymerized glyceryl oleate  
Polyoxyethylene sorbitan monolaurate  
Polyoxyethylene sorbitan monooleate  
Polyoxyethylene sorbitol mixed ether ester of  
Polyoxyethylene sorbitol oleate-laurate  
Polypropylene glycol  
Polyvinylpyrrolidone  
Polyvinylpyrrolidone-iodine complex  
Potassium bisulfate  
Potassium bromide  
Potassium carbonate  
Potassium dodecylbenzene sulfonate  
Potassium fish oil soap  
Potassium hydroxide  
Potassium iodate  
Potassium iodide  
Potassium laurate  
Potassium N-methyldithiocarbamate  
Potassium myristate  
Potassium nitrate  
Potassium peroxymonosulfate  
Potassium persulfate  
Potassium phosphate, monobasic  
Potassium phosphate, tribasic  
Potassium polysulfide  
Potassium ricinoleate  
Potassium tetrathionate  
Potassium thiosulfate  
Potassium toluene sulfonate  
Potassium xylene sulfonate  
Prometryn  
Propanol  
Propazine  
S-Propyl butylethylthiocarbamate  
S-Propyl dipropylthiocarbamate  
Propylene dichloride  
Propylene glycol  
Propyl 4-hydroxybenzoate  
Propyl 4-hydroxybenzoate, sodium salt of  
Putrescent whole egg solids

Pyrazon  
 Pyridine  
 7-Quinololinol  
 8-Quinololinol benzoate  
 8-Quinololinol sulfate  
 Quinone  
 2,3-Quinoxalinedithiol cyclic trithiocarbonate  
 Rosin oil  
 Rutralin  
*Ryania speciosa*, powdered stems of  
 Ryanodine  
 Safrole  
 Salicylanilide  
 Selenium disulfide  
 Sesame oil  
 Siduron  
 Silica, amorphous, gel  
 Silver  
 Silver salt of partially polymerized mannuronic acid  
 Silver thiuronim acrylate co-polymer  
 Soap  
 Sodium alkyl benzene sulfonate (100% C9)  
 Sodium benzoate  
 Sodium bromide  
 Sodium carbonate  
 Sodium chloride  
 Sodium 5-chloro-2-(4-chloro-2-(3-(3,4-dichlorophenyl)oreido)phenoxy) benzene sulfonate  
 Sodium n-cyclohexyl-n-palmitoyl taurate-iodine complex  
 Sodium decyl diphenylether disulfonate  
 Sodium decylbenzene sulfonate  
 Sodium dehydroacetate  
 Sodium diacetate  
 Sodium di(1-alkenyl)phenoxybenzene disulfonate (100% C9-C10)  
 Sodium dihydroxyethylglycine  
 Sodium diisopropyl naphthalene sulfonate  
 Sodium di(monoethanolamine)phosphate  
 Sodium dodecylbenzenesulfonate  
 Sodium dodecylbenzenesulfonate-iodine complex  
 Sodium dodecyl diphenyl oxide sulfonate  
 Sodium ethylmercurithiosalicylate  
 Sodium glycolate  
 Sodium laurate  
 Sodium N-lauryl sarcosinate  
 Sodium lauryl sulfate  
 Sodium metaborate  
 Sodium metasilicate  
 Sodium methyl oleyl taurate  
 Sodium methylundecyl benzene sulfonate  
 Sodium mono(1-alkenyl)phenoxybenzene disulfonate (100% C9-C10)  
 Sodium mono and dimethyl naphthalene sulfonate  
 Sodium nitrate  
 Sodium nitrite

Sodium octylbenzene sulfonate  
Sodium oleate  
Sodium perborate  
Sodium persulfate  
Sodium phenate  
Sodium o-phenylphenate  
Sodium p-phenylphenate  
Sodium polyethoxyethyl dodecylsulfate  
Sodium polysulfide  
Sodium salt of petroleum sulfonic acid  
Sodium silicate  
Sodium sulfate  
Sodium sulfite  
Sodium sulforicinoleate  
Sodium tetrachlorophenate  
Sodium thiosulfate  
Sodium tridecylbenzene sulfonate  
Sodium tripolyphosphate  
Sodium xylene sulfonate  
Sorbic acid  
Sorbic acid, potassium salt of  
Soybean oil  
Sperm oil  
Squalane  
Sulfacetamide  
Sulfanilamide  
Sulfathiazole  
Sulfonated cresol  
Sulfonated oleic acid, sodium salt of  
Sulfonated vegetable oil  
Tannic acid  
Tar  
Tebuthiuron  
Terbacil  
Terbuthylazine  
Terbutryn  
Terpineols  
Teramycin or oxytertracycline hydrochloride  
Tetracaine hydrochloride  
1,3,4,6-Tetrachloroglycoluril and related compounds  
3,3',4',5-Tetrachlorosalicylanilide  
Tetrachlorothiophene  
Tetrahydroabiethylamine acetate  
Tetrahydro-3,4-dimethyl-2H-1,3,5-thiadiazine-2-thione, sodium salt of  
Tetralin  
Tetramethrin  
Tetrapotassium pyrophosphate  
Tetrasodium ethylene diaminetetraacetate  
Tetrasodium pyrophosphate  
Thallium sulfate  
2,2'-Thiobis(4-chlorophenol)  
2,2'-Thiobis(4-chloro-6-methylphenol)

2,2'-Thiobis(4,5-dichlorophenol)  
beta-Thiocyanoethyl esters of mixed fatty acids (C10-C18)  
Thionazin  
Thiophanate-methyl  
Thymol  
Thymoxydichloroacetic acid  
Tobacco dust  
Toluene  
Toluene sulfonic acid  
Toluene sulfonic acid, sodium salt of  
Tributyl-2,4-(dichlorobenzyl)phosphonium chloride  
Tributyltin isopropyl succinate  
Tributyltin linoleate  
Tributyltin salicylate  
S-2,3,3-Trichloroallyl diisopropylthiocarbamate  
1,2,4-Trichlorobenzene  
2,3,6-Trichlorobenzoic acid  
2,3,6-Trichlorobenzoic acid, sodium salt of  
Trichlorobenzyl chloride  
1-((2,3,6-Trichlorobenzyl)oxy)-2-propanol  
3,4,4'-Trichlorocarbanilide  
1,1,1-Trichloroethane  
Trichloromonofluoromethane  
Trichloromelamine  
2,4,6-Trichlorophenol, potassium salt  
2,3,6-Trichlorophenylacetic acid  
2,3,6-Trichlorophenylacetic acid, ammonium salt of  
2,3,6-Trichlorophenylacetic acid, dimethylamine salt of  
2,3,6-Trichlorophenylacetic acid, sodium salt of  
2,4,5-Trichlorophenol, potassium salt  
1,4',5'-Trichloro-2'-(2,4,5-trichlorophenoxy)methanesulfonanilide, sodium salt of  
Tricosene  
Triethanolamine  
Triethanolamine dodecylbenzene sulfonate  
Triethanolamine laurate  
Triethanolamine myristate  
Triethanolamine octylsulfate-iodine complex  
Triethanolamine oleate  
Triethanolamine salt of lauryl sulfate  
Triethanolamine sulfonate tridecylpolyoxyethyleneethanol-bromine complex  
2,3,5-Triiodobenzoic acid  
2,3,5-Triiodobenzoic acid, dimethylamine salt of  
Triisopropanolamine  
Triisopropylamine  
2,2,4-Trimethyl-1,3-pentanediol  
Turkey red oil or sulfonated castor oil  
Turpentine  
Tyrothricin  
Undecylenic acid  
Urea  
Vegetable wax  
2,4-Xylenesulfonic acid

**2,4-Xylenol**

**Zinc chloride**

**Zinc dehydroabietylammmonium 2-ethylhexoate**

**Zinc 2-ethylhexoate**

**Zinc oxide**

**Zinc phenol sulfonate**

**Zinc 8-quinolinolate**

**Zinc resinate**

**Ziram, cyclohexylamine complex**

**Zirconium oxide**