

## APPENDIX G

### ACUTE HAZARDOUS WASTES (EPA P LIST)

As provided in 40 CFR 261.33, any residue remaining in a container or an inner liner from a container that has held any of the chemicals listed on the P List are considered hazardous wastes when they are discarded or intended to be discarded. This material must not be disposed of through normal University trash collection.

Proper protocol for handling this situation are as follows:

1. The container or inner liner must be triple-rinsed using a solvent capable of removing the chemical.
2. Byproducts of the triple-rinse procedure must be retained and packaged in glass containers not exceeding 1-gallon capacity or metal/plastic containers not exceeding 5-gallons capacity. All containers must be in good, non-leaking condition.
3. Documentation should be prepared regarding the estimated amount and type of residual material, the amount and type of solvent used, and the person responsible for the actions taken.
4. The Environmental Health and Safety Office should be contacted for proper disposal of the byproducts.

Materials on the P List are as follows:

| Hazardous Waste No. | Substance  | Hazardous Waste No. | Substance  |
|---------------------|--|---------------------|--|
| P023                | Acetaldehyde, chloro-                              | P077                | Benzenamine, 4-nitro-  |
| P002                | Acetamide, N-(aminothioxomethyl)-                  | P028                | Benzene, (chloromethyl)-   |
| P057                | Acetamide, 2-fluoro-                               | P042                | 1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-   |
| P058                | Acetic acid, fluoro-, sodium salt                  | P046                | Benzeneethanamine, alpha, alpha-dimethyl-  |
| P002                | 1-Acetyl-2-thiourea                                | P014                | Benzenethiol   |
| P003                | Acrolein   | P001                | 2H-1-Benzopyran-2-one, 4hydroxy-3(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3% |
| P070                | Aldicarb   | P028                | Benzyl chloride  |
| P004                | Aldrin   | P015                | Beryllium  |
| P005                | Allyl alcohol                                      | P017                | Bromoacetone   |
| P006                | Aluminum phosphide                                 | P018                | Brucine  |
| P007                | 5-(Aminomethyl)-3-isoxazolol                       | P045                | 2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[methylamino] carbonyl] oxime  |
| P008                | 4-Aminopyridine                                    | P021                | Calcium cyanide or Ca(CN) <sub>2</sub>   |
| P009                | Ammonium picrate                                   | P022                | Carbon disulfide   |
| P119                | Ammonium vanadate                                  | P095                | Carbonic dichloride  |
| P099                | Argentate(1-),bis(cyano-C)-,potassium              | P023                | Chloroacetaldehyde   |
| P010                | Arsenic acid H <sub>3</sub> AsO <sub>4</sub>       | P024                | p-Chloroaniline  |
| P012                | Arsenic (III) oxide As <sub>2</sub> O <sub>3</sub> | P026                | 1-(o-Chlorophenyl)thiourea   |
| P011                | Arsenic (V) oxide As <sub>2</sub> O <sub>5</sub>   | P027                | 3-Chloropropionitrile  |
| P011                | Arsenic pentoxide                                  | P029                | Copper cyanide or Cu(CN)   |
| P012                | Arsenic trioxide                                   |                     |  |
| P038                | Arsine, diethyl-                                   |                     |  |
| P036                | Arsonous dichloride, phenyl-                       |                     |  |
| P054                | Aziridine  |                     |  |
| P067                | Aziridine, 2-methyl-                               |                     |  |
| P013                | Barium cyanide                                     |                     |  |
| P024                | Benzenamine, 4-chloro-                             |                     |  |

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| P030 | Cyanides (soluble cyanide salts),<br>not otherwise specified  | P082 | Methanamine,N-methyl-N-nitroso-  |
| P031 | Cyanogen  | P064 | Methyl,isocyanate-   |
| P033 | Cyanogen chloride or (CN)Cl   | P016 | Methane, oxybis(chloro-  |
| P034 | 2-Cyclohexyl-4,6-dinitrophenol  | P112 | Methane, tetranitro-   |
| P016 | Dichloromethyl ether  | P118 | Methanethiol, trichloro-   |
| P036 | Dichlorophenylarsine  | P050 | 6,9-Methano-2,4,3-benzodio-<br>xoathiepin, 6,7,8,9,10-<br>hexachloro-1,5,5a,6,9,<br>9a-hexahydro,3-oxide |
| P037 | Dieldrin  | P059 | 4,7-Methano-1H-indene, 1,4,5,6,<br>7,8,8-heptachloro-3a,4,<br>7,7a-tetrahydro                            |
| P038 | Diethylarsine   | P066 | Methomyl   |
| P041 | Diethyl-p-nitrophenyl phosphate   | P068 | Methyl hydrazine   |
| P040 | O,O-Diethyl O-pyrazinyl<br>phosphorothioate   | P064 | Methyl isocyanate  |
| P043 | Diisopropyl fluorophosphate (DFP)   | P069 | 2-Methylacetonitrile   |
| P004 | 1,4,5,8-Dimethanonaphthalene,<br>1,2,3,4, 10,10-hexa-chloro-<br>1,4,4a,5,8,8a- hexahydro-<br>(1á,4á,4aá,5á,8á,8aá   | P071 | Methyl parathion   |
| P060 | 1,4,5,8-Dimethanonaphthalene,<br>1,2,3,4,10,10-hexa-chloro-<br>1,4,4a,5,8,8a-hexahydro-<br>(1á,4á,4aá,5á,8á,8aá   | P072 | alpha-Naphthylthiourea   |
| P037 | 2,7:3,6-Dimethanonaphth<br>[2,3-b]oxirene, 3,4,5,6,9,9-<br>hexachloro-1a,2,2a,3,6,<br>6a,7,7a-octahydro-(1aá,2á,<br>2aá,3á, 6á,6aá,7á,7aá)-                   | P073 | Nickel carbonyl  |
| P037 | 2,7:3,6-Dimethanonaphth<br>[2,3-b]oxirene, 3,4,5,6,9,9-<br>hexachloro-1a,2,2a,3,6,<br>6a,7,7a-octahydro-(1aá,2á,<br>2aá,3á, 6á,6aá,7á,7aá)-,<br>& metabolites | P073 | Nickel carbonyl Ni(CO) <sub>4</sub> , (T-4)-   |
| P044 | Dimethoate  | P074 | Nickel cyanide Ni(CN) <sub>2</sub>   |
| P046 | alpha,alpha-Dimethylphenethylamine  | P075 | Nicotine and salts   |
| P047 | 4,6-Dinitro-o-cresol and salts  | P076 | Nitric oxide   |
| P048 | 2,4-Dinitrophenol   | P077 | p-Nitroaniline   |
| P020 | Dinoseb   | P078 | Nitrogen dioxide   |
| P085 | Diphosphoramidate,octamethyl-   | P076 | Nitrogen oxide NO  |
| P111 | Diphosphoric acid, tetraethyl ester   | P078 | Nitrogen oxide NO <sub>2</sub>   |
| P039 | Disulfoton  | P081 | Nitroglycerine   |
| P049 | 2,4-Dithiobiuret  | P082 | N-Nitrosodimethylamine   |
| P050 | Endosulfan  | P084 | N-Nitrosomethylvinylamine  |
| P088 | Endothall   | P085 | Octamethylpyrophosphoramidate  |
| P051 | Endrin & metabolites  | P087 | Osmium oxide OsO <sub>4</sub> , (T-4)-   |
| P042 | Epinephrine   | P087 | Osmium tetroxide   |
| P031 | Ethanedinitrile   | P088 | 7-Oxabicyclo[2.2.1]heptane-<br>2,3-dicarboxylic acid   |
| P066 | Ethanimidothioic acid, N-[[[(methyl-<br>amino) carbonyl]oxy]-,methyl<br>ester   | P089 | Parathion  |
| P101 | Ethyl cyanide   | P034 | Phenol, 2-cyclohexyl-,<br>6-dinitro-   |
| P054 | Ethylenimine  | P048 | Phenol, 2,4-dinitro-   |
| P097 | Famphur   | P047 | Phenol, 2-methyl-4,6-dinitro-, & salts   |
| P056 | Fluorine  | P020 | Phenol, 2-(1-methylpropyl)-4,6-dinitro-  |
| P057 | Fluoroacetamide   | P009 | Phenol, 2,4,6-trinitro-, ammonium salt   |
| P058 | Fluoroacetic acid, sodium salt  | P092 | Phenylmercury acetate  |
| P065 | Fulminic acid, mercury(2+) salt   | P093 | Phenylthiourea   |
| P059 | Heptachlor  | P094 | Phorate  |
| P062 | Hexaethyl tetraphosphate  | P095 | Phosgene   |
| P116 | Hydrazinecarbothioamide   | P096 | Phosphine  |
| P068 | Hydrazine, methyl-  | P041 | Phosphoric acid, diethyl 4-<br>nitrophenyl ester   |
| P063 | Hydrocyanic acid  | P039 | Phosphorodithioic acid, O,O-diethyl<br>S-[2-(ethylthio)ethyl] ester                                      |
| P063 | Hydrogen cyanide  | P094 | Phosphorodithioic acid, O,O-diethyl<br>S-[(ethylthio)methyl] ester                                       |
| P096 | Hydrogen phosphide  | P044 | Phosphorodithioic acid, O,O-<br>dimethyl S-[2-(oxoethyl)] ester  |
| P060 | Isodrin   | P043 | Phosphorofluoric acid, bis(1-<br>methyllethyl)-ester   |
| P007 | 3(2H)-Isoxazolone, 5-(aminomethyl)-   | P089 | Phosphorothioic acid, O,O-diethyl<br>O-(4-nitrophenyl)ester  |
| P092 | Mercury, (acetato-O)phenyl-   | P040 | Phosphorothioic acid, O,O-diethyl O-<br>pyrazinyl ester  |
| P065 | Mercury fulminate   | P097 | Phosphorothioic acid, O,[4-[(<br>dimethylamino)-sulfonyl]phenyl]<br>0,0-dimethyl ester                   |
|      |   | P071 | Phosphorothioic acid, O,O,-dimethyl<br>O-(4-nitrophenyl) ester   |
|      |   | P110 | Plumbane, tetraethyl-  |

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| P098 | Potassium cyanide or K(CN)  |
| P099 | Potassium silver cyanide  |
| P070 | Propanal, 2-methyl-2-(methylthio)-,O-<br>[(methylamino)carbonyl]oxime       |
| P101 | Propanenitrile  |
| P027 | Propanenitrile, 3-chloro-   |
| P069 | Propanenitrile, 2-hydroxy-2-methyl-   |
| P081 | 1,2,3-Propanetriol, trinitrate  |
| P017 | 2-Propanone, 1-bromo-   |
| P081 | 1,2,3-Propanetriol, trinitrate-   |
| P102 | Propargyl alcohol   |
| P003 | 2-Propenal  |
| P005 | 2-Propen-1-ol   |
| P067 | 1,2-Propylenimine   |
| P102 | 2-Propyn-1-ol   |
| P008 | 4-Pyridinamine  |
| P075 | Pyridine, 3-(1-methyl-2-pyrro-<br>lidinyl)-, and salts                      |
| P114 | Selenious acid, dithallium (1+) salt  |
| P103 | Selenourea  |
| P104 | Silver cyanide or Ag(CN)  |
| P105 | Sodium azide  |
| P106 | Sodium cyanide or Na(CN)  |
| P107 | Strontium sulfide SrS   |
| P108 | Strychnidin-10-one, and salts   |
| P018 | Strychnidin-10-one, 2,3-dimethoxy-  |
| P108 | Strychnine and salts  |
| P115 | Sulfuric acid, dithallium (1+) salt   |
| P109 | Tetraethylthiopyrophosphate   |
| P110 | Tetraethyl lead   |
| P111 | Tetraethylpyrophosphate   |
| P112 | Tetranitromethane   |
| P062 | Tetraphosphoric acid, hexaethyl ester                                       |
| P113 | Thallic oxide   |
| P113 | Thallium oxide $Tl_2O_3$  |
| P114 | Thallium (I) selenite   |
| P115 | Thallium (I) sulfate  |
| P109 | Thiodiphosphoric acid, tetraethyl ester                                     |
| P045 | Thiofanox   |
| P049 | Thioimidodicarbonic diamide<br>[(H <sub>2</sub> N)C(S)] <sub>2</sub> NH     |
| P014 | Thiophenol  |
| P116 | Thiosemicarbazide   |
| P026 | Thiourea, (2-chlorophenyl)-   |
| P072 | Thiourea, 1-naphthalenyl-   |
| P093 | Thiourea, phenyl-   |
| P123 | Toxaphene   |
| P118 | Trichloromethanethiol   |
| P119 | Vanadic acid, ammonium salt   |
| P120 | Vanadium oxide $V_2O_5$   |
| P120 | Vanadium pentoxide  |
| P084 | Vinylamine, N-methyl-N-nitroso-   |
| P001 | Warfarin, & salts, when present at<br>concentrations greater than 0.3%      |
| P121 | Zinc cyanide or $Zn(CN)_2$  |
| P122 | Zinc phosphide $Zn_3P_2$ when present<br>at concentrations greater than 10% |

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