

### **Characteristic of ignitability.**

(a) A solid waste exhibits the characteristic of ignitability if a representative sample of the waste has any of the following properties:

(1) It is a liquid, other than an aqueous solution containing less than 24 percent alcohol by volume and has flash point less than 60 °C (140 °F), as determined by a Pensky-Martens Closed Cup Tester, using the test method specified in ASTM Standard D 93-79 or D 93-80 (incorporated by reference, see § 260.11), or a Setaflash Closed Cup Tester, using the test method specified in ASTM Standard D 3278-78 (incorporated by reference, see § 260.11).

(2) It is not a liquid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes and, when ignited, burns so vigorously and persistently that it creates a hazard.

(3) It is an ignitable compressed gas.

(i) The term "compressed gas" shall designate any material or mixture having in the container an absolute pressure exceeding 40 p.s.i. at 70 °F or, regardless of the pressure at 70 °F, having an absolute pressure exceeding 104 p.s.i. at 130 °F; or any liquid flammable material having a vapor pressure exceeding 40 p.s.i. absolute at 100 °F as determined by ASTM Test D-323.

(ii) A compressed gas shall be characterized as ignitable if any one of the following occurs:

(A) Either a mixture of 13 percent or less (by volume) with air forms a flammable mixture or the flammable range with air is wider than 12 percent regardless of the lower limit. These limits shall be determined at atmospheric temperature and pressure. The method of sampling and test procedure shall be acceptable to the Bureau of Explosives and approved by the director, Pipeline and Hazardous Materials Technology, U.S. Department of Transportation.

(B) Using the Bureau of Explosives' Flame Projection Apparatus, the flame projects more than 18 inches beyond the ignition source with valve opened fully, or, the flame flashes back and burns at the valve with any degree of valve opening.

(C) Using the Bureau of Explosives' Open Drum Apparatus, there is any significant propagation of flame away from the ignition source.

(D) Using the Bureau of Explosives' Closed Drum Apparatus, there is any explosion of the vapor-air mixture in the drum.

(4) It is an oxidizer. An oxidizer for the purpose of this subchapter is a substance such as a chlorate, permanganate, inorganic peroxide, or a nitrate, that yields oxygen readily to stimulate the combustion of organic matter .

(i) An organic compound containing the bivalent -O-O- structure and which may be considered a derivative of hydrogen peroxide where one or more of the hydrogen atoms have been replaced by organic radicals must be classed as an organic peroxide unless:

(A) The material meets the definition of a Class A explosive or a Class B explosive, as defined in § 261.23(a)(8), in which case it must be classed as an explosive,

(B) The material is forbidden to be offered for transportation according to 49 CFR 172.101 and 49 CFR 173.21,

(C) It is determined that the predominant hazard of the material containing an organic peroxide is other than that of an organic peroxide, or

(D) According to data on file with the Pipeline and Hazardous Materials Safety Administration in the U.S. Department of Transportation, it has been determined that the material does not present a hazard in transportation.

(b) A solid waste that exhibits the characteristic of ignitability has the EPA Hazardous Waste Number of D001.

**Characteristic of corrosivity.**

(a) A solid waste exhibits the characteristic of corrosivity if a representative sample of the waste has either of the following properties:

(1) It is aqueous and has a pH less than or equal to 2 or greater than or equal to 12.5, as determined by a pH meter using Method 9040C in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in § 260.11 of this chapter.

(2) It is a liquid and corrodes steel (SAE 1020) at a rate greater than 6.35 mm (0.250 inch) per year at a test temperature of 55 °C (130 °F) as determined by Method 1110A in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, and as incorporated by reference in § 260.11 of this chapter.

(b) A solid waste that exhibits the characteristic of corrosivity has the EPA Hazardous Waste Number of D002.

**Characteristic of reactivity.**

(a) A solid waste exhibits the characteristic of reactivity if a representative sample of the waste has *any* of the following properties:

- (1) It is normally unstable and readily undergoes violent change without detonating.
- (2) It reacts violently with water.
- (3) It forms potentially explosive mixtures with water.
- (4) When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment.
- (5) It is a cyanide or sulfide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment.
- (6) It is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement.
- (7) It is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure.
- (8) It is a forbidden explosive as defined in 49 CFR 173.54, or is a Division 1.1, 1.2 or 1.3 explosive as defined in 49 CFR 173.50 and 173.53.

(b) A solid waste that exhibits the characteristic of reactivity has the EPA Hazardous Waste Number of D003.

**Toxicity characteristic (the “D-List”).**

(a) A solid waste (except manufactured gas plant waste) exhibits the characteristic of toxicity if, using the Toxicity Characteristic Leaching Procedure, test Method 1311 in “Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,” EPA Publication SW-846, as incorporated by reference in § 260.11 of this chapter, the extract from a representative sample of the waste contains any of the contaminants listed in table 1 at the concentration equal to or greater than the respective value given in that table. Where the waste contains less than 0.5 percent filterable solids, the waste itself, after filtering using the methodology outlined in Method 1311, is considered to be the extract for the purpose of this section.

(b) A solid waste that exhibits the characteristic of toxicity has the EPA Hazardous Waste Number specified in Table 1 which corresponds to the toxic contaminant causing it to be hazardous.

| <b>Table 1—Maximum Concentration of Contaminants for the Toxicity Characteristic</b> |                      |            |                                |
|--|----------------------|------------|--------------------------------|
| <b>EPA HW</b>  | <b>Contaminant</b>   | <b>CAS</b> | <b>Regulatory Level (mg/L)</b> |
| D004   | Arsenic              | 7440-38-2  | 5.0                            |
| D005   | Barium               | 7440-39-3  | 100.0                          |
| D018   | Benzene              | 71-43-2    | 0.5                            |
| D006   | Cadmium              | 7440-43-9  | 1.0                            |
| D019   | Carbon tetrachloride | 56-23-5    | 0.5                            |
| D020   | Chlordane            | 57-74-9    | 0.03                           |
| D021   | Chlorobenzene        | 108-90-7   | 100.0                          |
| D022   | Chloroform           | 67-66-3    | 6.0                            |
| D007   | Chromium             | 7440-47-3  | 5.0                            |
| D023   | o-Cresol             | 95-48-7    | 200.0                          |
| D024   | m-Cresol             | 108-39-4   | 200.0                          |
| D025   | p-Cresol             | 106-44-5   | 200.0                          |
| D026   | Cresol               |            | 200.0                          |
| D016   | 2,4-D                | 94-75-7    | 10.0                           |
| D027   | 1,4-Dichlorobenzene  | 106-46-7   | 7.5                            |
| D028   | 1,2-Dichloroethane   | 107-06-2   | 0.5                            |
| D029   | 1,1-Dichloroethylene | 75-35-4    | 0.7                            |

|      |                              |           |       |
|------|------------------------------|-----------|-------|
| D030 | 2,4-Dinitrotoluene           | 121-14-2  | 0.13  |
| D012 | Endrin                       | 72-20-8   | 0.02  |
| D031 | Heptachlor (and its epoxide) | 76-44-8   | 0.008 |
| D032 | Hexachlorobenzene            | 118-74-1  | 0.13  |
| D033 | Hexachlorobutadiene          | 87-68-3   | 0.5   |
| D034 | Hexachloroethane             | 67-72-1   | 3.0   |
| D008 | Lead                         | 7439-92-1 | 5.0   |
| D013 | Lindane                      | 58-89-9   | 0.4   |
| D009 | Mercury                      | 7439-97-6 | 0.2   |
| D014 | Methoxychlor                 | 72-43-5   | 10.0  |
| D035 | Methyl ethyl ketone          | 78-93-3   | 200.0 |
| D036 | Nitrobenzene                 | 98-95-3   | 2.0   |
| D037 | Pentachlorophenol            | 87-86-5   | 100.0 |
| D038 | Pyridine                     | 110-86-1  | 5.0   |
| D010 | Selenium                     | 7782-49-2 | 1.0   |
| D011 | Silver                       | 7440-22-4 | 5.0   |
| D039 | Tetrachloroethyl-ene         | 127-18-4  | 0.7   |
| D015 | Toxaphene                    | 8001-35-2 | 0.5   |
| D040 | Trichloroethyl-ene           | 79-01-6   | 0.5   |
| D041 | 2,4,5-Trichlorophenol        | 95-95-4   | 400.0 |
| D042 | 2,4,6-Trichlorophenol        | 88-06-2   | 2.0   |
| D017 | 2,4,5-TP (Silvex)            | 93-72-1   | 1.0   |
| D043 | Vinyl chloride               | 75-01-4   | 0.2   |

EPA HW = Hazardous waste number.

CAS = Chemical abstracts service number.

If o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 mg/l.

## Code of Federal Regulations

### Lists of Hazardous Wastes (the “F-List”, the “P-List”, the “U-List”, the “K-List”)

(a) A solid waste is a hazardous waste if it is listed in this subpart, unless it has been excluded from this list under §§ 260.20 and 260.22.

(b) The Administrator will indicate his basis for listing the classes or types of wastes listed in this subpart by employing one or more of the following Hazard Codes:

|                               |     |
|-------------------------------|-----|
| Ignitable Waste               | (I) |
| Corrosive Waste               | (C) |
| Reactive Waste                | (R) |
| Toxicity Characteristic Waste | (E) |
| Acute Hazardous Waste         | (H) |
| Toxic Waste                   | (T) |

Each hazardous waste listed in this subpart is assigned an EPA Hazardous Waste Number which precedes the name of the waste. This number must be used in complying with the notification requirements of Section 3010 of the Act and certain recordkeeping and reporting requirements under parts 262 through 265, 267, 268, and 270 of this chapter.

**Hazardous wastes from non-specific sources (the F-List”)**

(a) The following solid wastes are listed hazardous wastes from non-specific sources unless they are excluded under §§ 260.20 and 260.22 and listed in appendix IX.

| Industry and EPA hazardous waste No. | Hazardous waste   | Hazard code |
|--------------------------------------|---|-------------|
| F001                                 | The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures  | (T)         |
| F002                                 | The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures   | (T)         |
| F003                                 | The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures | (I)*        |



|      |   |        |
|------|---|--------|
| F004 | The following spent non-halogenated solvents: Cresols and cresylic acid, and nitrobenzene; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures   | (T)    |
| F005 | The following spent non-halogenated solvents: Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures | (I,T)  |
| F006 | Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum                                      | (T)    |
| F007 | Spent cyanide plating bath solutions from electroplating operations   | (R, T) |
| F008 | Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process  | (R, T) |
| F009 | Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process   | (R, T) |
| F010 | Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process   | (R, T) |
| F011 | Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations   | (R, T) |
| F012 | Quenching waste water treatment sludges from metal heat treating operations where cyanides are used in the process  | (T)    |

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| F019 | <p>Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.</p> <p>Wastewater treatment sludges from the manufacturing of motor vehicles using a zinc phosphating process will not be subject to this listing at the point of generation if the wastes are not placed outside on the land prior to shipment to a landfill for disposal and are either: disposed in a Subtitle D municipal or industrial landfill unit that is equipped with a single clay liner and is permitted, licensed or otherwise authorized by the state; or disposed in a landfill unit subject to, or otherwise meeting, the landfill requirements in § 258.40, § 264.301 or § 265.301. For the purposes of this listing, motor vehicle manufacturing is defined in paragraph (b)(4)(i) of this section and (b)(4)(ii) of this section describes the recordkeeping requirements for motor vehicle manufacturing facilities</p> | (T) |
| F020 | <p>Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of Hexachlorophene from highly purified 2,4,5-trichlorophenol.)</p>   | (H) |
| F021 | <p>Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives</p>  | (H) |
| F022 | <p>Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions</p>   | (H) |
| F023 | <p>Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of Hexachlorophene from highly purified 2,4,5-trichlorophenol.)</p>  | (H) |

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| F024 | Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludges, spent catalysts, and wastes listed in § 261.31 or § 261.32.)   | (T) |
| F025 | Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution   | (T) |
| F026 | Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions  | (H) |
| F027 | Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing Hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.)  | (H) |
| F028 | Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027  | (T) |
| F032 | Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with § 261.35 of this chapter or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), and where the generator does not resume or initiate use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol | (T) |

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|------|--|-----|
| F034 | <p>Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol</p>  | (T) |
| F035 | <p>Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol</p>   | (T) |
| F037 | <p>Petroleum refinery primary oil/water/solids separation sludge—Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in § 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing. This listing does include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under § 261.4(a)(12)(i), if those residuals are to be disposed of</p> | (T) |
| F038 | <p>Petroleum refinery secondary (emulsified) oil/water/solids separation sludge—Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in § 261.31(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and F037, K048, and K051 wastes are not included in this listing</p>  | (T) |

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|------|---|-----|
| F039 | <p>Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of this part. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other Hazardous Wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.)</p> <p>*(I,T) should be used to specify mixtures that are ignitable and contain toxic constituents.</p> | (T) |
|------|---|-----|

(b) Listing Specific Definitions:

(1) For the purposes of the F037 and F038 listings, oil/water/solids is defined as oil and/or water and/or solids.

(2)

(i) For the purposes of the F037 and F038 listings, aggressive biological treatment units are defined as units which employ one of the following four treatment methods: activated sludge; trickling filter; rotating biological contactor for the continuous accelerated biological oxidation of wastewaters; or high-rate aeration. High-rate aeration is a system of surface impoundments or tanks, in which intense mechanical aeration is used to completely mix the wastes, enhance biological activity, and

(A) the units employ a minimum of 6 hp per million gallons of treatment volume; and either

(B) the hydraulic retention time of the unit is no longer than 5 days; or

(C) the hydraulic retention time is no longer than 30 days and the unit does not generate a sludge that is a hazardous waste by the Toxicity Characteristic.

(ii) Generators and treatment, storage and disposal facilities have the burden of proving that their sludges are exempt from listing as F037 and F038 wastes under this definition. Generators and treatment, storage and disposal facilities must maintain, in their operating or other onsite records, documents and data sufficient to prove that:

(A) the unit is an aggressive biological treatment unit as defined in this subsection; and

(B) the sludges sought to be exempted from the definitions of F037 and/or F038 were actually generated in the aggressive biological treatment unit.

(3)

(i) For the purposes of the F037 listing, sludges are considered to be generated at the moment of deposition in the unit, where deposition is defined as at least a temporary cessation of lateral particle movement.

(ii) For the purposes of the F038 listing,

(A) sludges are considered to be generated at the moment of deposition in the unit, where deposition is defined as at least a temporary cessation of lateral particle movement and

(B) floats are considered to be generated at the moment they are formed in the top of the unit.

(4) For the purposes of the F019 listing, the following apply to wastewater treatment sludges from the manufacturing of motor vehicles using a zinc phosphating process.

(i) Motor vehicle manufacturing is defined to include the manufacture of automobiles and light trucks/utility vehicles (including light duty vans, pick-up trucks, minivans, and sport utility vehicles). Facilities must be engaged in manufacturing complete vehicles (body and chassis or unibody) or chassis only.

(ii) Generators must maintain in their on-site records documentation and information sufficient to prove that the wastewater treatment sludges to be exempted from the F019 listing meet the conditions of the listing. These records must include: the volume of waste generated and disposed of off site; documentation showing when the waste volumes were generated and sent off site; the name and address of the receiving facility; and documentation confirming receipt of the waste by the receiving facility. Generators must maintain these documents on site for no less than three years. The retention period for the documentation is automatically extended during the course of any enforcement action or as requested by the Regional Administrator or the state regulatory authority.

**Discarded commercial chemical products, off-specification species, container residues, and spill residues thereof (the P-List”, the “U-List”).**

The following materials or items are hazardous wastes if and when they are discarded or intended to be discarded as described in § 261.2(a)(2)(i), when they are mixed with waste oil or used oil or other material and applied to the land for dust suppression or road treatment, when they are otherwise applied to the land in lieu of their original intended use or when they are contained in products that are applied to the land in lieu of their original intended use, or when, in lieu of their original intended use, they are produced for use as (or as a component of) a fuel, distributed for use as a fuel, or burned as a fuel.

(a) Any commercial chemical product, or manufacturing chemical intermediate having the generic name listed in paragraph (e) or (f) of this section.

(b) Any off-specification commercial chemical product or manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in paragraph (e) or (f) of this section.

(c) Any residue remaining in a container or in an inner liner removed from a container that has held any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraphs (e) or (f) of this section, unless the container is empty as defined in § 261.7(b) of this chapter. [*Comment:* Unless the residue is being beneficially used or reused, or legitimately recycled or reclaimed; or being accumulated, stored, transported or treated prior to such use, re-use, recycling or reclamation, EPA considers the residue to be intended for discard, and thus, a hazardous waste. An example of a legitimate re-use of the residue would be where the residue remains in the container and the container is used to hold the same commercial chemical product or manufacturing chemical intermediate it previously held. An example of the discard of the residue would be where the drum is sent to a drum reconditioner who reconditions the drum but discards the residue.]

(d) Any residue or contaminated soil, water or other debris resulting from the cleanup of a spill into or on any land or water of any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraph (e) or (f) of this section, or any residue or contaminated soil, water or other debris resulting from the cleanup of a spill, into or on any land or water, of any off-specification chemical product and manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in paragraph (e) or (f) of this section.

[*Comment:* The phrase “commercial chemical product or manufacturing chemical intermediate having the generic name listed in ...” refers to a chemical substance which is manufactured or formulated for commercial or manufacturing use which consists of the commercially pure grade of the chemical, any technical grades of the chemical that are produced or marketed, and all formulations in which the chemical is the sole active ingredient. It does not refer to a material, such as a manufacturing process waste, that contains any of the substances listed in paragraph (e) or (f). Where a manufacturing process waste is deemed to be a hazardous waste because it contains a substance

listed in paragraph (e) or (f), such waste will be listed in either § 261.31 or § 261.32 or will be identified as a hazardous waste by the characteristics set forth in subpart C of this part.]

(e) The commercial chemical products, manufacturing chemical intermediates or off-specification commercial chemical products or manufacturing chemical intermediates referred to in paragraphs (a) through (d) of this section, are identified as acute hazardous wastes (H) and are subject to the small quantity exclusion defined in § 261.5(e). [*Comment:* For the convenience of the regulated community the primary hazardous properties of these materials have been indicated by the letters T (Toxicity), and R (Reactivity). Absence of a letter indicates that the compound only is listed for acute toxicity. Wastes are first listed in alphabetical order by substance and then listed again in numerical order by Hazardous Waste Number.]

These wastes and their corresponding EPA Hazardous Waste Numbers are:

| <b>Hazardous waste No.</b> | <b>Chemical abstracts No.</b> | <b>Substance</b>                             |
|----------------------------|-------------------------------|--|
| P023                       | 107-20-0                      | Acetaldehyde, chloro-                        |
| P002                       | 591-08-2                      | Acetamide, N-(aminothioxomethyl)-            |
| P057                       | 640-19-7                      | Acetamide, 2-fluoro-                         |
| P058                       | 62-74-8                       | Acetic acid, fluoro-, sodium salt            |
| P002                       | 591-08-2                      | 1-Acetyl-2-thiourea                          |
| P003                       | 107-02-8                      | Acrolein                                     |
| P070                       | 116-06-3                      | Aldicarb                                     |
| P203                       | 1646-88-4                     | Aldicarb sulfone.                            |
| P004                       | 309-00-2                      | Aldrin                                       |
| P005                       | 107-18-6                      | Allyl alcohol                                |
| P006                       | 20859-73-8                    | Aluminum phosphide (R,T)                     |
| P007                       | 2763-96-4                     | 5-(Aminomethyl)-3-isoxazolol                 |
| P008                       | 504-24-5                      | 4-Aminopyridine                              |
| P009                       | 131-74-8                      | Ammonium picrate (R)                         |
| P119                       | 7803-55-6                     | Ammonium vanadate                            |
| P099                       | 506-61-6                      | Argentate(1-), bis(cyano-C)-, potassium      |
| P010                       | 7778-39-4                     | Arsenic acid H <sub>3</sub> AsO <sub>4</sub> |



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| P012 | 1327-53-3  | Arsenic oxide $As_2 O_3$  |
| P011 | 1303-28-2  | Arsenic oxide $As_2 O_5$  |
| P011 | 1303-28-2  | Arsenic pentoxide   |
| P012 | 1327-53-3  | Arsenic trioxide  |
| P038 | 692-42-2   | Arsine, diethyl-  |
| P036 | 696-28-6   | Arsonous dichloride, phenyl-  |
| P054 | 151-56-4   | Aziridine   |
| P067 | 75-55-8    | Aziridine, 2-methyl-  |
| P013 | 542-62-1   | Barium cyanide  |
| P024 | 106-47-8   | Benzenamine, 4-chloro-  |
| P077 | 100-01-6   | Benzenamine, 4-nitro-   |
| P028 | 100-44-7   | Benzene, (chloromethyl)-  |
| P042 | 51-43-4    | 1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)-  |
| P046 | 122-09-8   | Benzeneethanamine, alpha,alpha-dimethyl-  |
| P014 | 108-98-5   | Benzenethiol  |
| P127 | 1563-66-2  | 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate.   |
| P188 | 57-64-7    | Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1). |
| P001 | 1 81-81-2  | 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%                          |
| P028 | 100-44-7   | Benzyl chloride   |
| P015 | 7440-41-7  | Beryllium powder  |
| P017 | 598-31-2   | Bromoacetone  |
| P018 | 357-57-3   | Brucine   |
| P045 | 39196-18-4 | 2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[(methylamino)carbonyl] oxime   |
| P021 | 592-01-8   | Calcium cyanide   |
| P021 | 592-01-8   | Calcium cyanide $Ca(CN)_2$  |

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| P189 | 55285-14-8 | Carbamic acid, [(dibutylamino)- thio]methyl-, 2,3-dihydro-2,2-dimethyl- 7-benzofuranyl ester. |
| P191 | 644-64-4   | Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]- 5-methyl-1H- pyrazol-3-yl ester.      |
| P192 | 119-38-0   | Carbamic acid, dimethyl-, 3-methyl-1- (1-methylethyl)-1H-pyrazol-5-yl ester.                  |
| P190 | 1129-41-5  | Carbamic acid, methyl-, 3-methylphenyl ester.   |
| P127 | 1563-66-2  | Carbofuran.   |
| P022 | 75-15-0    | Carbon disulfide  |
| P095 | 75-44-5    | Carbonic dichloride   |
| P189 | 55285-14-8 | Carbosulfan.  |
| P023 | 107-20-0   | Chloroacetaldehyde  |
| P024 | 106-47-8   | p-Chloroaniline   |
| P026 | 5344-82-1  | 1-(o-Chlorophenyl)thiourea  |
| P027 | 542-76-7   | 3-Chloropropionitrile   |
| P029 | 544-92-3   | Copper cyanide  |
| P029 | 544-92-3   | Copper cyanide Cu(CN)   |
| P202 | 64-00-6    | m-Cumenyl methylcarbamate.  |
| P030 |            | Cyanides (soluble cyanide salts), not otherwise specified                                     |
| P031 | 460-19-5   | Cyanogen  |
| P033 | 506-77-4   | Cyanogen chloride   |
| P033 | 506-77-4   | Cyanogen chloride (CN)Cl  |
| P034 | 131-89-5   | 2-Cyclohexyl-4,6-dinitrophenol  |
| P016 | 542-88-1   | Dichloromethyl ether  |
| P036 | 696-28-6   | Dichlorophenylarsine  |
| P037 | 60-57-1    | Dieldrin  |
| P038 | 692-42-2   | Diethylarsine   |
| P041 | 311-45-5   | Diethyl-p-nitrophenyl phosphate   |
| P040 | 297-97-2   | O,O-Diethyl O-pyrazinyl phosphorothioate  |
| P043 | 55-91-4    | Diisopropylfluorophosphate (DFP)  |

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| P004 | 309-00-2   | 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-   |
| P060 | 465-73-6   | 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5beta,8beta,8abeta)-  |
| P037 | 60-57-1    | 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)-                 |
| P051 | 1 72-20-8  | 2,7:3,6-Dimethanonaphth [2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)-, & metabolites |
| P044 | 60-51-5    | Dimethoate   |
| P046 | 122-09-8   | alpha,alpha-Dimethylphenethylamine   |
| P191 | 644-64-4   | Dimetilan.   |
| P047 | 1 534-52-1 | 4,6-Dinitro-o-cresol, & salts  |
| P048 | 51-28-5    | 2,4-Dinitrophenol  |
| P020 | 88-85-7    | Dinoseb  |
| P085 | 152-16-9   | Diphosphoramidate, octamethyl-   |
| P111 | 107-49-3   | Diphosphoric acid, tetraethyl ester  |
| P039 | 298-04-4   | Disulfoton   |
| P049 | 541-53-7   | Dithiobiuret   |
| P185 | 26419-73-8 | 1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)- carbonyl]oxime.  |
| P050 | 115-29-7   | Endosulfan   |
| P088 | 145-73-3   | Endothall  |
| P051 | 72-20-8    | Endrin   |
| P051 | 72-20-8    | Endrin, & metabolites  |
| P042 | 51-43-4    | Epinephrine  |
| P031 | 460-19-5   | Ethanedinitrile  |

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| P194 | 23135-22-0 | Ethanimidothioic acid, 2-(dimethylamino)-N-[[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester. |
| P066 | 16752-77-5 | Ethanimidothioic acid,N-[[[(methylamino)carbonyl]oxy]-, methyl ester                           |
| P101 | 107-12-0   | Ethyl cyanide  |
| P054 | 151-56-4   | Ethyleneimine  |
| P097 | 52-85-7    | Famphur  |
| P056 | 7782-41-4  | Fluorine   |
| P057 | 640-19-7   | Fluoroacetamide  |
| P058 | 62-74-8    | Fluoroacetic acid, sodium salt   |
| P198 | 23422-53-9 | Formetamate hydrochloride.   |
| P197 | 17702-57-7 | Formparanate.  |
| P065 | 628-86-4   | Fulminic acid, mercury(2+) salt (R,T)  |
| P059 | 76-44-8    | Heptachlor   |
| P062 | 757-58-4   | Hexaethyl tetraphosphate   |
| P116 | 79-19-6    | Hydrazinecarbothioamide  |
| P068 | 60-34-4    | Hydrazine, methyl-   |
| P063 | 74-90-8    | Hydrocyanic acid   |
| P063 | 74-90-8    | Hydrogen cyanide   |
| P096 | 7803-51-2  | Hydrogen phosphide   |
| P060 | 465-73-6   | Isodrin  |
| P192 | 119-38-0   | Isolan.  |
| P202 | 64-00-6    | 3-Isopropylphenyl N-methylcarbamate.   |
| P007 | 2763-96-4  | 3(2H)-Isoxazolone, 5-(aminomethyl)-  |
| P196 | 15339-36-3 | Manganese, bis(dimethylcarbamoedithioato-S,S')-,   |
| P196 | 15339-36-3 | Manganese dimethyldithiocarbamate.   |
| P092 | 62-38-4    | Mercury, (acetato-O)phenyl-  |
| P065 | 628-86-4   | Mercury fulminate (R,T)  |
| P082 | 62-75-9    | Methanamine, N-methyl-N-nitroso-   |

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| P064 | 624-83-9   | Methane, isocyanato-  |
| P016 | 542-88-1   | Methane, oxybis[chloro-   |
| P112 | 509-14-8   | Methane, tetranitro- (R)  |
| P118 | 75-70-7    | Methanethiol, trichloro-  |
| P198 | 23422-53-9 | Methanimidamide, N,N-dimethyl-N'-[3-[[[(methylamino)-carbonyl]oxy]phenyl]-, monohydrochloride.  |
| P197 | 17702-57-7 | Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino)carbonyl]oxy]phenyl]-              |
| P050 | 115-29-7   | 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide |
| P059 | 76-44-8    | 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-                          |
| P199 | 2032-65-7  | Methiocarb.   |
| P066 | 16752-77-5 | Methomyl  |
| P068 | 60-34-4    | Methyl hydrazine  |
| P064 | 624-83-9   | Methyl isocyanate   |
| P069 | 75-86-5    | 2-Methylactonitrile   |
| P071 | 298-00-0   | Methyl parathion  |
| P190 | 1129-41-5  | Metolcarb.  |
| P128 | 315-8-4    | Mexacarbate.  |
| P072 | 86-88-4    | alpha-Naphthylthiourea  |
| P073 | 13463-39-3 | Nickel carbonyl   |
| P073 | 13463-39-3 | Nickel carbonyl Ni(CO) <sub>4</sub> , (T-4)-  |
| P074 | 557-19-7   | Nickel cyanide  |
| P074 | 557-19-7   | Nickel cyanide Ni(CN) <sub>2</sub>  |
| P075 | 1 54-11-5  | Nicotine, & salts   |
| P076 | 10102-43-9 | Nitric oxide  |
| P077 | 100-01-6   | p-Nitroaniline  |
| P078 | 10102-44-0 | Nitrogen dioxide  |
| P076 | 10102-43-9 | Nitrogen oxide NO   |

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| P078 | 10102-44-0 | Nitrogen oxide NO <sub>2</sub>                                    |
| P081 | 55-63-0    | Nitroglycerine (R)  |
| P082 | 62-75-9    | N-Nitrosodimethylamine  |
| P084 | 4549-40-0  | N-Nitrosomethylvinylamine   |
| P085 | 152-16-9   | Octamethylpyrophosphoramidate                                     |
| P087 | 20816-12-0 | Osmium oxide OsO <sub>4</sub> , (T-4)-                            |
| P087 | 20816-12-0 | Osmium tetroxide  |
| P088 | 145-73-3   | 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid                  |
| P194 | 23135-22-0 | Oxamyl.   |
| P089 | 56-38-2    | Parathion   |
| P034 | 131-89-5   | Phenol, 2-cyclohexyl-4,6-dinitro-                                 |
| P048 | 51-28-5    | Phenol, 2,4-dinitro-  |
| P047 | 1 534-52-1 | Phenol, 2-methyl-4,6-dinitro-, & salts                            |
| P020 | 88-85-7    | Phenol, 2-(1-methylpropyl)-4,6-dinitro-                           |
| P009 | 131-74-8   | Phenol, 2,4,6-trinitro-, ammonium salt (R)                        |
| P128 | 315-18-4   | Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester). |
| P199 | 2032-65-7  | Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate            |
| P202 | 64-00-6    | Phenol, 3-(1-methylethyl)-, methyl carbamate.                     |
| P201 | 2631-37-0  | Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate.            |
| P092 | 62-38-4    | Phenylmercury acetate   |
| P093 | 103-85-5   | Phenylthiourea  |
| P094 | 298-02-2   | Phorate   |
| P095 | 75-44-5    | Phosgene  |
| P096 | 7803-51-2  | Phosphine   |
| P041 | 311-45-5   | Phosphoric acid, diethyl 4-nitrophenyl ester                      |
| P039 | 298-04-4   | Phosphorodithioic acid, O,O-diethylS-[2-(ethylthio)ethyl] ester   |
| P094 | 298-02-2   | Phosphorodithioic acid, O,O-diethylS-[(ethylthio)methyl] ester    |

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| P044 | 60-51-5   | Phosphorodithioic acid, O,O-dimethyl S-[2-(methyl-amino)-2-oxoethyl] ester     |
| P043 | 55-91-4   | Phosphorofluoridic acid, bis(1-methylethyl) ester                              |
| P089 | 56-38-2   | Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester                      |
| P040 | 297-97-2  | Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester                            |
| P097 | 52-85-7   | Phosphorothioic acid, O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester |
| P071 | 298-00-0  | Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester                    |
| P204 | 57-47-6   | Physostigmine.   |
| P188 | 57-64-7   | Physostigmine salicylate.  |
| P110 | 78-00-2   | Plumbane, tetraethyl-  |
| P098 | 151-50-8  | Potassium cyanide  |
| P098 | 151-50-8  | Potassium cyanide K(CN)  |
| P099 | 506-61-6  | Potassium silver cyanide   |
| P201 | 2631-37-0 | Promecarb  |
| P070 | 116-06-3  | Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime             |
| P203 | 1646-88-4 | Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[(methylamino)carbonyl] oxime.      |
| P101 | 107-12-0  | Propanenitrile   |
| P027 | 542-76-7  | Propanenitrile, 3-chloro-  |
| P069 | 75-86-5   | Propanenitrile, 2-hydroxy-2-methyl-  |
| P081 | 55-63-0   | 1,2,3-Propanetriol, trinitrate (R)   |
| P017 | 598-31-2  | 2-Propanone, 1-bromo-  |
| P102 | 107-19-7  | Propargyl alcohol  |
| P003 | 107-02-8  | 2-Propenal   |
| P005 | 107-18-6  | 2-Propen-1-ol  |
| P067 | 75-55-8   | 1,2-Propylenimine  |
| P102 | 107-19-7  | 2-Propyn-1-ol  |

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| P008 | 504-24-5   | 4-Pyridinamine   |
| P075 | 1 54-11-5  | Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts  |
| P204 | 57-47-6    | Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-,methylcarbamate (ester), (3aS-cis)-. |
| P114 | 12039-52-0 | Selenious acid, dithallium(1+) salt  |
| P103 | 630-10-4   | Selenourea   |
| P104 | 506-64-9   | Silver cyanide   |
| P104 | 506-64-9   | Silver cyanide Ag(CN)  |
| P105 | 26628-22-8 | Sodium azide   |
| P106 | 143-33-9   | Sodium cyanide   |
| P106 | 143-33-9   | Sodium cyanide Na(CN)  |
| P108 | 1 57-24-9  | Strychnidin-10-one, & salts  |
| P018 | 357-57-3   | Strychnidin-10-one, 2,3-dimethoxy-   |
| P108 | 1 57-24-9  | Strychnine, & salts  |
| P115 | 7446-18-6  | Sulfuric acid, dithallium(1+) salt   |
| P109 | 3689-24-5  | Tetraethyldithiopyrophosphate  |
| P110 | 78-00-2    | Tetraethyl lead  |
| P111 | 107-49-3   | Tetraethyl pyrophosphate   |
| P112 | 509-14-8   | Tetranitromethane (R)  |
| P062 | 757-58-4   | Tetraphosphoric acid, hexaethyl ester  |
| P113 | 1314-32-5  | Thallic oxide  |
| P113 | 1314-32-5  | Thallium oxide $Tl_2 O_3$  |
| P114 | 12039-52-0 | Thallium(I) selenite   |
| P115 | 7446-18-6  | Thallium(I) sulfate  |
| P109 | 3689-24-5  | Thiodiphosphoric acid, tetraethyl ester  |
| P045 | 39196-18-4 | Thiofanox  |
| P049 | 541-53-7   | Thioimidodicarbonic diamide $[(H_2 N)C(S)]_2 NH$   |
| P014 | 108-98-5   | Thiophenol   |
| P116 | 79-19-6    | Thiosemicarbazide  |



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| P026 | 5344-82-1  | Thiourea, (2-chlorophenyl)-   |
| P072 | 86-88-4    | Thiourea, 1-naphthalenyl-   |
| P093 | 103-85-5   | Thiourea, phenyl-   |
| P185 | 26419-73-8 | Tirpate.  |
| P123 | 8001-35-2  | Toxaphene   |
| P118 | 75-70-7    | Trichloromethanethiol   |
| P119 | 7803-55-6  | Vanadic acid, ammonium salt   |
| P120 | 1314-62-1  | Vanadium oxide V <sub>2</sub> O <sub>5</sub>  |
| P120 | 1314-62-1  | Vanadium pentoxide  |
| P084 | 4549-40-0  | Vinylamine, N-methyl-N-nitroso-   |
| P001 | 1 81-81-2  | Warfarin, & salts, when present at concentrations greater than 0.3%   |
| P205 | 137-30-4   | Zinc, bis(dimethylcarbamodithioato-S,S')-,  |
| P121 | 557-21-1   | Zinc cyanide  |
| P121 | 557-21-1   | Zinc cyanide Zn(CN) <sub>2</sub>  |
| P122 | 1314-84-7  | Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10% (R,T)                           |
| P205 | 137-30-4   | Ziram.  |
| P001 | 1 81-81-2  | 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%            |
| P001 | 1 81-81-2  | Warfarin, & salts, when present at concentrations greater than 0.3%   |
| P002 | 591-08-2   | Acetamide, -(aminothioxomethyl)-  |
| P002 | 591-08-2   | 1-Acetyl-2-thiourea   |
| P003 | 107-02-8   | Acrolein  |
| P003 | 107-02-8   | 2-Propenal  |
| P004 | 309-00-2   | Aldrin  |
| P004 | 309-00-2   | 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- |

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| P005 | 107-18-6   | Allyl alcohol                              |
| P005 | 107-18-6   | 2-Propen-1-ol                              |
| P006 | 20859-73-8 | Aluminum phosphide (R,T)                   |
| P007 | 2763-96-4  | 5-(Aminomethyl)-3-isoxazolol               |
| P007 | 2763-96-4  | 3(2H)-Isoxazolone, 5-(aminomethyl)-        |
| P008 | 504-24-5   | 4-Aminopyridine                            |
| P008 | 504-24-5   | 4-Pyridinamine                             |
| P009 | 131-74-8   | Ammonium picrate (R)                       |
| P009 | 131-74-8   | Phenol, 2,4,6-trinitro-, ammonium salt (R) |
| P010 | 7778-39-4  | Arsenic acid $H_3 AsO_4$                   |
| P011 | 1303-28-2  | Arsenic oxide $As_2 O_5$                   |
| P011 | 1303-28-2  | Arsenic pentoxide                          |
| P012 | 1327-53-3  | Arsenic oxide $As_2 O_3$                   |
| P012 | 1327-53-3  | Arsenic trioxide                           |
| P013 | 542-62-1   | Barium cyanide                             |
| P014 | 108-98-5   | Benzenethiol                               |
| P014 | 108-98-5   | Thiophenol                                 |
| P015 | 7440-41-7  | Beryllium powder                           |
| P016 | 542-88-1   | Dichloromethyl ether                       |
| P016 | 542-88-1   | Methane, oxybis[chloro-                    |
| P017 | 598-31-2   | Bromoacetone                               |
| P017 | 598-31-2   | 2-Propanone, 1-bromo-                      |
| P018 | 357-57-3   | Brucine                                    |
| P018 | 357-57-3   | Strychnidin-10-one, 2,3-dimethoxy-         |
| P020 | 88-85-7    | Dinoseb                                    |
| P020 | 88-85-7    | Phenol, 2-(1-methylpropyl)-4,6-dinitro-    |
| P021 | 592-01-8   | Calcium cyanide                            |
| P021 | 592-01-8   | Calcium cyanide $Ca(CN)_2$                 |
| P022 | 75-15-0    | Carbon disulfide                           |

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| P023 | 107-20-0  | Acetaldehyde, chloro-  |
| P023 | 107-20-0  | Chloroacetaldehyde   |
| P024 | 106-47-8  | Benzenamine, 4-chloro-   |
| P024 | 106-47-8  | p-Chloroaniline  |
| P026 | 5344-82-1 | 1-(o-Chlorophenyl)thiourea   |
| P026 | 5344-82-1 | Thiourea, (2-chlorophenyl)-  |
| P027 | 542-76-7  | 3-Chloropropionitrile  |
| P027 | 542-76-7  | Propanenitrile, 3-chloro-  |
| P028 | 100-44-7  | Benzene, (chloromethyl)-   |
| P028 | 100-44-7  | Benzyl chloride  |
| P029 | 544-92-3  | Copper cyanide   |
| P029 | 544-92-3  | Copper cyanide Cu(CN)  |
| P030 |           | Cyanides (soluble cyanide salts), not otherwise specified  |
| P031 | 460-19-5  | Cyanogen   |
| P031 | 460-19-5  | Ethanedinitrile  |
| P033 | 506-77-4  | Cyanogen chloride  |
| P033 | 506-77-4  | Cyanogen chloride (CN)Cl   |
| P034 | 131-89-5  | 2-Cyclohexyl-4,6-dinitrophenol   |
| P034 | 131-89-5  | Phenol, 2-cyclohexyl-4,6-dinitro-  |
| P036 | 696-28-6  | Arsonous dichloride, phenyl-   |
| P036 | 696-28-6  | Dichlorophenylarsine   |
| P037 | 60-57-1   | Dieldrin   |
| P037 | 60-57-1   | 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- |
| P038 | 692-42-2  | Arsine, diethyl-   |
| P038 | 692-42-2  | Diethylarsine  |
| P039 | 298-04-4  | Disulfoton   |

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| P039 | 298-04-4   | Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester   |
| P040 | 297-97-2   | O,O-Diethyl O-pyrazinyl phosphorothioate   |
| P040 | 297-97-2   | Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester  |
| P041 | 311-45-5   | Diethyl-p-nitrophenyl phosphate  |
| P041 | 311-45-5   | Phosphoric acid, diethyl 4-nitrophenyl ester   |
| P042 | 51-43-4    | 1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)-   |
| P042 | 51-43-4    | Epinephrine  |
| P043 | 55-91-4    | Diisopropylfluorophosphate (DFP)   |
| P043 | 55-91-4    | Phosphorofluoridic acid, bis(1-methylethyl) ester  |
| P044 | 60-51-5    | Dimethoate   |
| P044 | 60-51-5    | Phosphorodithioic acid, O,O-dimethyl S-[2-(methyl amino)-2-oxoethyl] ester   |
| P045 | 39196-18-4 | 2-Butanone, 3,3-dimethyl-1-(methylthio)-, O-[(methylamino)carbonyl] oxime  |
| P045 | 39196-18-4 | Thiofanox  |
| P046 | 122-09-8   | Benzeneethanamine, alpha,alpha-dimethyl-   |
| P046 | 122-09-8   | alpha,alpha-Dimethylphenethylamine   |
| P047 | 1 534-52-1 | 4,6-Dinitro-o-cresol, & salts  |
| P047 | 1 534-52-1 | Phenol, 2-methyl-4,6-dinitro-, & salts   |
| P048 | 51-28-5    | 2,4-Dinitrophenol  |
| P048 | 51-28-5    | Phenol, 2,4-dinitro-   |
| P049 | 541-53-7   | Dithiobiuret   |
| P049 | 541-53-7   | Thioimidodicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> NH   |
| P050 | 115-29-7   | Endosulfan   |
| P050 | 115-29-7   | 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide  |
| P051 | 1 72-20-8  | 2,7:3,6-Dimethanonaphth [2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)-, & metabolites |

|      |            |  |
|------|------------|--|
| P051 | 72-20-8    | Endrin   |
| P051 | 72-20-8    | Endrin, & metabolites  |
| P054 | 151-56-4   | Aziridine  |
| P054 | 151-56-4   | Ethyleneimine  |
| P056 | 7782-41-4  | Fluorine   |
| P057 | 640-19-7   | Acetamide, 2-fluoro-   |
| P057 | 640-19-7   | Fluoroacetamide  |
| P058 | 62-74-8    | Acetic acid, fluoro-, sodium salt  |
| P058 | 62-74-8    | Fluoroacetic acid, sodium salt   |
| P059 | 76-44-8    | Heptachlor   |
| P059 | 76-44-8    | 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-   |
| P060 | 465-73-6   | 1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5beta,8beta,8abeta)- |
| P060 | 465-73-6   | Isodrin  |
| P062 | 757-58-4   | Hexaethyl tetraphosphate   |
| P062 | 757-58-4   | Tetraphosphoric acid, hexaethyl ester  |
| P063 | 74-90-8    | Hydrocyanic acid   |
| P063 | 74-90-8    | Hydrogen cyanide   |
| P064 | 624-83-9   | Methane, isocyanato-   |
| P064 | 624-83-9   | Methyl isocyanate  |
| P065 | 628-86-4   | Fulminic acid, mercury(2+) salt (R,T)  |
| P065 | 628-86-4   | Mercury fulminate (R,T)  |
| P066 | 16752-77-5 | Ethanimidothioic acid, N-[[[(methylamino)carbonyl]oxy]-, methyl ester  |
| P066 | 16752-77-5 | Methomyl   |
| P067 | 75-55-8    | Aziridine, 2-methyl-   |
| P067 | 75-55-8    | 1,2-Propylenimine  |
| P068 | 60-34-4    | Hydrazine, methyl-   |

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| P068 | 60-34-4    | Methyl hydrazine   |
| P069 | 75-86-5    | 2-Methylactonitrile  |
| P069 | 75-86-5    | Propanenitrile, 2-hydroxy-2-methyl-                                |
| P070 | 116-06-3   | Aldicarb   |
| P070 | 116-06-3   | Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime |
| P071 | 298-00-0   | Methyl parathion   |
| P071 | 298-00-0   | Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester        |
| P072 | 86-88-4    | alpha-Naphthylthiourea   |
| P072 | 86-88-4    | Thiourea, 1-naphthalenyl-  |
| P073 | 13463-39-3 | Nickel carbonyl  |
| P073 | 13463-39-3 | Nickel carbonyl Ni(CO) <sub>4</sub> , (T-4)-                       |
| P074 | 557-19-7   | Nickel cyanide   |
| P074 | 557-19-7   | Nickel cyanide Ni(CN) <sub>2</sub>                                 |
| P075 | 1 54-11-5  | Nicotine, & salts  |
| P075 | 1 54-11-5  | Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts              |
| P076 | 10102-43-9 | Nitric oxide   |
| P076 | 10102-43-9 | Nitrogen oxide NO  |
| P077 | 100-01-6   | Benzenamine, 4-nitro-  |
| P077 | 100-01-6   | p-Nitroaniline   |
| P078 | 10102-44-0 | Nitrogen dioxide   |
| P078 | 10102-44-0 | Nitrogen oxide NO <sub>2</sub>                                     |
| P081 | 55-63-0    | Nitroglycerine (R)   |
| P081 | 55-63-0    | 1,2,3-Propanetriol, trinitrate (R)                                 |
| P082 | 62-75-9    | Methanamine, -methyl-N-nitroso-                                    |
| P082 | 62-75-9    | N-Nitrosodimethylamine   |
| P084 | 4549-40-0  | N-Nitrosomethylvinylamine  |
| P084 | 4549-40-0  | Vinylamine, -methyl-N-nitroso-                                     |

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| P085 | 152-16-9   | Diphosphoramidate, octamethyl-   |
| P085 | 152-16-9   | Octamethylpyrophosphoramidate  |
| P087 | 20816-12-0 | Osmium oxide OsO <sub>4</sub> , (T-4)-   |
| P087 | 20816-12-0 | Osmium tetroxide   |
| P088 | 145-73-3   | Endothall  |
| P088 | 145-73-3   | 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid                               |
| P089 | 56-38-2    | Parathion  |
| P089 | 56-38-2    | Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester                      |
| P092 | 62-38-4    | Mercury, (acetato-O)phenyl-  |
| P092 | 62-38-4    | Phenylmercury acetate  |
| P093 | 103-85-5   | Phenylthiourea   |
| P093 | 103-85-5   | Thiourea, phenyl-  |
| P094 | 298-02-2   | Phorate  |
| P094 | 298-02-2   | Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester                |
| P095 | 75-44-5    | Carbonic dichloride  |
| P095 | 75-44-5    | Phosgene   |
| P096 | 7803-51-2  | Hydrogen phosphide   |
| P096 | 7803-51-2  | Phosphine  |
| P097 | 52-85-7    | Famphur  |
| P097 | 52-85-7    | Phosphorothioic acid, O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl ester |
| P098 | 151-50-8   | Potassium cyanide  |
| P098 | 151-50-8   | Potassium cyanide K(CN)  |
| P099 | 506-61-6   | Argentate(1-), bis(cyano-C)-, potassium  |
| P099 | 506-61-6   | Potassium silver cyanide   |
| P101 | 107-12-0   | Ethyl cyanide  |
| P101 | 107-12-0   | Propanenitrile   |
| P102 | 107-19-7   | Propargyl alcohol  |

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| P102 | 107-19-7   | 2-Propyn-1-ol                           |
| P103 | 630-10-4   | Selenourea                              |
| P104 | 506-64-9   | Silver cyanide                          |
| P104 | 506-64-9   | Silver cyanide Ag(CN)                   |
| P105 | 26628-22-8 | Sodium azide                            |
| P106 | 143-33-9   | Sodium cyanide                          |
| P106 | 143-33-9   | Sodium cyanide Na(CN)                   |
| P108 | 1 157-24-9 | Strychnidin-10-one, & salts             |
| P108 | 1 157-24-9 | Strychnine, & salts                     |
| P109 | 3689-24-5  | Tetraethyldithiopyrophosphate           |
| P109 | 3689-24-5  | Thiodiphosphoric acid, tetraethyl ester |
| P110 | 78-00-2    | Plumbane, tetraethyl-                   |
| P110 | 78-00-2    | Tetraethyl lead                         |
| P111 | 107-49-3   | Diphosphoric acid, tetraethyl ester     |
| P111 | 107-49-3   | Tetraethyl pyrophosphate                |
| P112 | 509-14-8   | Methane, tetranitro-(R)                 |
| P112 | 509-14-8   | Tetranitromethane (R)                   |
| P113 | 1314-32-5  | Thallic oxide                           |
| P113 | 1314-32-5  | Thallium oxide $Tl_2 O_3$               |
| P114 | 12039-52-0 | Selenious acid, dithallium(1+) salt     |
| P114 | 12039-52-0 | Tetraethyldithiopyrophosphate           |
| P115 | 7446-18-6  | Thiodiphosphoric acid, tetraethyl ester |
| P115 | 7446-18-6  | Plumbane, tetraethyl-                   |
| P116 | 79-19-6    | Tetraethyl lead                         |
| P116 | 79-19-6    | Thiosemicarbazide                       |
| P118 | 75-70-7    | Methanethiol, trichloro-                |
| P118 | 75-70-7    | Trichloromethanethiol                   |
| P119 | 7803-55-6  | Ammonium vanadate                       |
| P119 | 7803-55-6  | Vanadic acid, ammonium salt             |



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| P120 | 1314-62-1  | Vanadium oxide V <sub>2</sub> O <sub>5</sub>   |
| P120 | 1314-62-1  | Vanadium pentoxide   |
| P121 | 557-21-1   | Zinc cyanide   |
| P121 | 557-21-1   | Zinc cyanide Zn(CN) <sub>2</sub>   |
| P122 | 1314-84-7  | Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10% (R,T)  |
| P123 | 8001-35-2  | Toxaphene  |
| P127 | 1563-66-2  | 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate.  |
| P127 | 1563-66-2  | Carbofuran   |
| P128 | 315-8-4    | Mexacarbate  |
| P128 | 315-18-4   | Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)   |
| P185 | 26419-73-8 | 1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)-carbonyl]oxime.   |
| P185 | 26419-73-8 | Tirpate  |
| P188 | 57-64-7    | Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1) |
| P188 | 57-64-7    | Physostigmine salicylate   |
| P189 | 55285-14-8 | Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester   |
| P189 | 55285-14-8 | Carbosulfan  |
| P190 | 1129-41-5  | Carbamic acid, methyl-, 3-methylphenyl ester   |
| P190 | 1129-41-5  | Metolcarb  |
| P191 | 644-64-4   | Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester  |
| P191 | 644-64-4   | Dimetilan  |
| P192 | 119-38-0   | Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester   |
| P192 | 119-38-0   | Isolan   |

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| P194   | 23135-22-0 | Ethanimidthioic acid, 2-(dimethylamino)-N-[[[(methylamino) carbonyl]oxy]-2-oxo-, methyl ester            |
| P194   | 23135-22-0 | Oxamyl   |
| P196   | 15339-36-3 | Manganese, bis(dimethylcarbamo-dithioato-S,S')-,   |
| P196   | 15339-36-3 | Manganese dimethyldithiocarbamate  |
| P197   | 17702-57-7 | Formparanate   |
| P197   | 17702-57-7 | Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[[(methylamino) carbonyl]oxy]phenyl]-                      |
| P198   | 23422-53-9 | Formetanate hydrochloride  |
| P198   | 23422-53-9 | Methanimidamide, N,N-dimethyl-N'-[3-[[[(methylamino)- carbonyl]oxy]phenyl]-monohydrochloride             |
| P199   | 2032-65-7  | Methiocarb   |
| P199   | 2032-65-7  | Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate   |
| P201   | 2631-37-0  | Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate  |
| P201   | 2631-37-0  | Promecarb  |
| P202   | 64-00-6    | m-Cumenyl methylcarbamate  |
| P202   | 64-00-6    | 3-Isopropylphenyl N-methylcarbamate  |
| P202   | 64-00-6    | Phenol, 3-(1-methylethyl)-, methyl carbamate   |
| P203   | 1646-88-4  | Aldicarb sulfone   |
| P203   | 1646-88-4  | Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-[[[(methylamino) carbonyl] oxime                              |
| P204   | 57-47-6    | Physostigmine  |
| P204   | 57-47-6    | Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)- |
| P205   | 137-30-4   | Zinc, bis(dimethylcarbamo-dithioato-S,S')-,  |
| P205   | 137-30-4   | Ziram  |
| 1 CAS Number given for parent compound only. |            |  |

(f) The commercial chemical products, manufacturing chemical inter-mediate, or off-specification commercial chemical products referred to in paragraphs (a) through (d) of this section, are identified as toxic wastes (T), unless otherwise designated and are subject to the small quantity generator exclusion defined in § 261.5 (a) and (g).

[Comment: For the convenience of the regulated community, the primary hazardous properties of these materials have been indicated by the letters T (Toxicity), R (Reactivity), I (Ignitability) and C (Corrosivity). Absence of a letter indicates that the compound is only listed for toxicity. Wastes are first listed in alphabetical order by substance and then listed again in numerical order by Hazardous Waste Number.]

These wastes and their corresponding EPA Hazardous Waste Numbers are:

| <b>Hazardous waste No.</b> | <b>Chemical abstracts No.</b> | <b>Substance</b>                                    |
|----------------------------|-------------------------------|---|
| U394                       | 30558-43-1                    | A2213.  |
| U001                       | 75-07-0                       | Acetaldehyde (I)                                    |
| U034                       | 75-87-6                       | Acetaldehyde, trichloro-                            |
| U187                       | 62-44-2                       | Acetamide, N-(4-ethoxyphenyl)-                      |
| U005                       | 53-96-3                       | Acetamide, N-9H-fluoren-2-yl-                       |
| U240                       | 1 94-75-7                     | Acetic acid, (2,4-dichlorophenoxy)-, salts & esters |
| U112                       | 141-78-6                      | Acetic acid ethyl ester (I)                         |
| U144                       | 301-04-2                      | Acetic acid, lead(2+) salt                          |
| U214                       | 563-68-8                      | Acetic acid, thallium(1+) salt                      |
| see F027                   | 93-76-5                       | Acetic acid, (2,4,5-trichlorophenoxy)-              |
| U002                       | 67-64-1                       | Acetone (I)   |
| U003                       | 75-05-8                       | Acetonitrile (I,T)                                  |
| U004                       | 98-86-2                       | Acetophenone  |
| U005                       | 53-96-3                       | 2-Acetylaminofluorene                               |
| U006                       | 75-36-5                       | Acetyl chloride (C,R,T)                             |
| U007                       | 79-06-1                       | Acrylamide  |
| U008                       | 79-10-7                       | Acrylic acid (I)                                    |
| U009                       | 107-13-1                      | Acrylonitrile                                       |
| U011                       | 61-82-5                       | Amitrole  |
| U012                       | 62-53-3                       | Aniline (I,T)                                       |
| U136                       | 75-60-5                       | Arsinic acid, dimethyl-                             |
| U014                       | 492-80-8                      | Auramine  |

|      |            |   |
|------|------------|---|
| U015 | 115-02-6   | Azaserine   |
| U010 | 50-07-7    | Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[aminocarbonyloxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 8beta,8aalpha,8balpha)]- |
| U280 | 101-27-9   | Barban.   |
| U278 | 22781-23-3 | Bendiocarb.   |
| U364 | 22961-82-6 | Bendiocarb phenol.  |
| U271 | 17804-35-2 | Benomyl.  |
| U157 | 56-49-5    | Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-   |
| U016 | 225-51-4   | Benz[c]acridine   |
| U017 | 98-87-3    | Benzal chloride   |
| U192 | 23950-58-5 | Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-  |
| U018 | 56-55-3    | Benz[a]anthracene   |
| U094 | 57-97-6    | Benz[a]anthracene, 7,12-dimethyl-   |
| U012 | 62-53-3    | Benzenamine (I,T)   |
| U014 | 492-80-8   | Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-  |
| U049 | 3165-93-3  | Benzenamine, 4-chloro-2-methyl-, hydrochloride  |
| U093 | 60-11-7    | Benzenamine, N,N-dimethyl-4-(phenylazo)-  |
| U328 | 95-53-4    | Benzenamine, 2-methyl-  |
| U353 | 106-49-0   | Benzenamine, 4-methyl-  |
| U158 | 101-14-4   | Benzenamine, 4,4'-methylenebis[2-chloro-  |
| U222 | 636-21-5   | Benzenamine, 2-methyl-, hydrochloride   |
| U181 | 99-55-8    | Benzenamine, 2-methyl-5-nitro-  |
| U019 | 71-43-2    | Benzene (I,T)   |
| U038 | 510-15-6   | Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester   |
| U030 | 101-55-3   | Benzene, 1-bromo-4-phenoxy-   |
| U035 | 305-03-3   | Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-  |
| U037 | 108-90-7   | Benzene, chloro-  |
| U221 | 25376-45-8 | Benzenediamine, ar-methyl-  |

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| U028 | 117-81-7   | 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester    |
| U069 | 84-74-2    | 1,2-Benzenedicarboxylic acid, dibutyl ester              |
| U088 | 84-66-2    | 1,2-Benzenedicarboxylic acid, diethyl ester              |
| U102 | 131-11-3   | 1,2-Benzenedicarboxylic acid, dimethyl ester             |
| U107 | 117-84-0   | 1,2-Benzenedicarboxylic acid, dioctyl ester              |
| U070 | 95-50-1    | Benzene, 1,2-dichloro-                                   |
| U071 | 541-73-1   | Benzene, 1,3-dichloro-                                   |
| U072 | 106-46-7   | Benzene, 1,4-dichloro-                                   |
| U060 | 72-54-8    | Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-      |
| U017 | 98-87-3    | Benzene, (dichloromethyl)-                               |
| U223 | 26471-62-5 | Benzene, 1,3-diisocyanatomethyl- (R,T)                   |
| U239 | 1330-20-7  | Benzene, dimethyl- (I)                                   |
| U201 | 108-46-3   | 1,3-Benzenediol  |
| U127 | 118-74-1   | Benzene, hexachloro-                                     |
| U056 | 110-82-7   | Benzene, hexahydro- (I)                                  |
| U220 | 108-88-3   | Benzene, methyl-   |
| U105 | 121-14-2   | Benzene, 1-methyl-2,4-dinitro-                           |
| U106 | 606-20-2   | Benzene, 2-methyl-1,3-dinitro-                           |
| U055 | 98-82-8    | Benzene, (1-methylethyl)- (I)                            |
| U169 | 98-95-3    | Benzene, nitro-  |
| U183 | 608-93-5   | Benzene, pentachloro-                                    |
| U185 | 82-68-8    | Benzene, pentachloronitro-                               |
| U020 | 98-09-9    | Benzenesulfonic acid chloride (C,R)                      |
| U020 | 98-09-9    | Benzenesulfonyl chloride (C,R)                           |
| U207 | 95-94-3    | Benzene, 1,2,4,5-tetrachloro-                            |
| U061 | 50-29-3    | Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-   |
| U247 | 72-43-5    | Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4- methoxy- |
| U023 | 98-07-7    | Benzene, (trichloromethyl)-                              |
| U234 | 99-35-4    | Benzene, 1,3,5-trinitro-                                 |

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|------|------------|---|
| U021 | 92-87-5    | Benzidine   |
| U278 | 22781-23-3 | 1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate.  |
| U364 | 22961-82-6 | 1,3-Benzodioxol-4-ol, 2,2-dimethyl-,  |
| U203 | 94-59-7    | 1,3-Benzodioxole, 5-(2-propenyl)-   |
| U141 | 120-58-1   | 1,3-Benzodioxole, 5-(1-propenyl)-   |
| U367 | 1563-38-8  | 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-   |
| U090 | 94-58-6    | 1,3-Benzodioxole, 5-propyl-   |
| U064 | 189-55-9   | Benzo[ <i>rst</i> ]pentaphene   |
| U248 | 181-81-2   | 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less |
| U022 | 50-32-8    | Benzo[ <i>a</i> ]pyrene   |
| U197 | 106-51-4   | <i>p</i> -Benzoquinone  |
| U023 | 98-07-7    | Benzotrichloride (C,R,T)  |
| U085 | 1464-53-5  | 2,2'-Bioxirane  |
| U021 | 92-87-5    | [1,1'-Biphenyl]-4,4'-diamine  |
| U073 | 91-94-1    | [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-  |
| U091 | 119-90-4   | [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-   |
| U095 | 119-93-7   | [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-  |
| U225 | 75-25-2    | Bromoform   |
| U030 | 101-55-3   | 4-Bromophenyl phenyl ether  |
| U128 | 87-68-3    | 1,3-Butadiene, 1,1,2,3,4,4-hexachloro-  |
| U172 | 924-16-3   | 1-Butanamine, N-butyl-N-nitroso-  |
| U031 | 71-36-3    | 1-Butanol (I)   |
| U159 | 78-93-3    | 2-Butanone (I,T)  |
| U160 | 1338-23-4  | 2-Butanone, peroxide (R,T)  |
| U053 | 4170-30-3  | 2-Butenal   |
| U074 | 764-41-0   | 2-Butene, 1,4-dichloro- (I,T)   |

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| U143 | 303-34-4   | 2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester,[1S-[1alpha(Z),7(2S*,3R*),7aalpha]]- |
| U031 | 71-36-3    | n-Butyl alcohol (l)   |
| U136 | 75-60-5    | Cacodylic acid  |
| U032 | 13765-19-0 | Calcium chromate  |
| U372 | 10605-21-7 | Carbamic acid, 1H-benzimidazol-2-yl, methyl ester.  |
| U271 | 17804-35-2 | Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester.  |
| U280 | 101-27-9   | Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester.   |
| U238 | 51-79-6    | Carbamic acid, ethyl ester  |
| U178 | 615-53-2   | Carbamic acid, methylnitroso-, ethyl ester  |
| U373 | 122-42-9   | Carbamic acid, phenyl-, 1-methylethyl ester.  |
| U409 | 23564-05-8 | Carbamic acid, [1,2-phenylenebis (iminocarbonothioyl)]bis-, dimethyl ester.   |
| U097 | 79-44-7    | Carbamic chloride, dimethyl-  |
| U389 | 2303-17-5  | Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester.  |
| U387 | 52888-80-9 | Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester.  |
| U114 | 1 111-54-6 | Carbamodithioic acid, 1,2-ethanediylbis-,salts & esters   |
| U062 | 2303-16-4  | Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-di-chloro-2-propenyl) ester   |
| U279 | 63-25-2    | Carbaryl.   |
| U372 | 10605-21-7 | Carbendazim.  |
| U367 | 1563-38-8  | Carbofuran phenol.  |
| U215 | 6533-73-9  | Carbonic acid, dithallium(1+) salt  |
| U033 | 353-50-4   | Carbonic difluoride   |
| U156 | 79-22-1    | Carbonochloridic acid, methyl ester (I,T)   |
| U033 | 353-50-4   | Carbon oxyfluoride (R,T)  |
| U211 | 56-23-5    | Carbon tetrachloride  |

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| U034 | 75-87-6    | Chloral  |
| U035 | 305-03-3   | Chlorambucil   |
| U036 | 57-74-9    | Chlordane, alpha & gamma isomers   |
| U026 | 494-03-1   | Chlornaphazin  |
| U037 | 108-90-7   | Chlorobenzene  |
| U038 | 510-15-6   | Chlorobenzilate  |
| U039 | 59-50-7    | p-Chloro-m-cresol  |
| U042 | 110-75-8   | 2-Chloroethyl vinyl ether  |
| U044 | 67-66-3    | Chloroform   |
| U046 | 107-30-2   | Chloromethyl methyl ether  |
| U047 | 91-58-7    | beta-Chloronaphthalene   |
| U048 | 95-57-8    | o-Chlorophenol   |
| U049 | 3165-93-3  | 4-Chloro-o-toluidine, hydrochloride  |
| U032 | 13765-19-0 | Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt                      |
| U050 | 218-01-9   | Chrysene   |
| U051 |            | Creosote   |
| U052 | 1319-77-3  | Cresol (Cresylic acid)   |
| U053 | 4170-30-3  | Crotonaldehyde   |
| U055 | 98-82-8    | Cumene (I)   |
| U246 | 506-68-3   | Cyanogen bromide (CN)Br  |
| U197 | 106-51-4   | 2,5-Cyclohexadiene-1,4-dione   |
| U056 | 110-82-7   | Cyclohexane (I)  |
| U129 | 58-89-9    | Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)- |
| U057 | 108-94-1   | Cyclohexanone (I)  |
| U130 | 77-47-4    | 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-                                     |
| U058 | 50-18-0    | Cyclophosphamide   |
| U240 | 1 94-75-7  | 2,4-D, salts & esters  |
| U059 | 20830-81-3 | Daunomycin   |



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| U060 | 72-54-8   | DDD                                  |
| U061 | 50-29-3   | DDT                                  |
| U062 | 2303-16-4 | Diallate                             |
| U063 | 53-70-3   | Dibenz[a,h]anthracene                |
| U064 | 189-55-9  | Dibenzo[a,i]pyrene                   |
| U066 | 96-12-8   | 1,2-Dibromo-3-chloropropane          |
| U069 | 84-74-2   | Dibutyl phthalate                    |
| U070 | 95-50-1   | o-Dichlorobenzene                    |
| U071 | 541-73-1  | m-Dichlorobenzene                    |
| U072 | 106-46-7  | p-Dichlorobenzene                    |
| U073 | 91-94-1   | 3,3'-Dichlorobenzidine               |
| U074 | 764-41-0  | 1,4-Dichloro-2-butene (I,T)          |
| U075 | 75-71-8   | Dichlorodifluoromethane              |
| U078 | 75-35-4   | 1,1-Dichloroethylene                 |
| U079 | 156-60-5  | 1,2-Dichloroethylene                 |
| U025 | 111-44-4  | Dichloroethyl ether                  |
| U027 | 108-60-1  | Dichloroisopropyl ether              |
| U024 | 111-91-1  | Dichloromethoxy ethane               |
| U081 | 120-83-2  | 2,4-Dichlorophenol                   |
| U082 | 87-65-0   | 2,6-Dichlorophenol                   |
| U084 | 542-75-6  | 1,3-Dichloropropene                  |
| U085 | 1464-53-5 | 1,2:3,4-Diepoxybutane (I,T)          |
| U108 | 123-91-1  | 1,4-Diethyleneoxide                  |
| U028 | 117-81-7  | Diethylhexyl phthalate               |
| U395 | 5952-26-1 | Diethylene glycol, dicarbamate.      |
| U086 | 1615-80-1 | N,N'-Diethylhydrazine                |
| U087 | 3288-58-2 | O,O-Diethyl S-methyl dithiophosphate |
| U088 | 84-66-2   | Diethyl phthalate                    |
| U089 | 56-53-1   | Diethylstilbesterol                  |

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| U090 | 94-58-6  | Dihydrosafrole   |
| U091 | 119-90-4 | 3,3'-Dimethoxybenzidine  |
| U092 | 124-40-3 | Dimethylamine (l)  |
| U093 | 60-11-7  | p-Dimethylaminoazobenzene  |
| U094 | 57-97-6  | 7,12-Dimethylbenz[a]anthracene                                       |
| U095 | 119-93-7 | 3,3'-Dimethylbenzidine   |
| U096 | 80-15-9  | alpha,alpha-Dimethylbenzylhydroperoxide (R)                          |
| U097 | 79-44-7  | Dimethylcarbamoyl chloride   |
| U098 | 57-14-7  | 1,1-Dimethylhydrazine  |
| U099 | 540-73-8 | 1,2-Dimethylhydrazine  |
| U101 | 105-67-9 | 2,4-Dimethylphenol   |
| U102 | 131-11-3 | Dimethyl phthalate   |
| U103 | 77-78-1  | Dimethyl sulfate   |
| U105 | 121-14-2 | 2,4-Dinitrotoluene   |
| U106 | 606-20-2 | 2,6-Dinitrotoluene   |
| U107 | 117-84-0 | Di-n-octyl phthalate   |
| U108 | 123-91-1 | 1,4-Dioxane  |
| U109 | 122-66-7 | 1,2-Diphenylhydrazine  |
| U110 | 142-84-7 | Dipropylamine (l)  |
| U111 | 621-64-7 | Di-n-propylnitrosamine   |
| U041 | 106-89-8 | Epichlorohydrin  |
| U001 | 75-07-0  | Ethanal (l)  |
| U404 | 121-44-8 | Ethanamine, N,N-diethyl-   |
| U174 | 55-18-5  | Ethanamine, N-ethyl-N-nitroso-                                       |
| U155 | 91-80-5  | 1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)- |
| U067 | 106-93-4 | Ethane, 1,2-dibromo-   |
| U076 | 75-34-3  | Ethane, 1,1-dichloro-  |
| U077 | 107-06-2 | Ethane, 1,2-dichloro-  |

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| U131 | 67-72-1    | Ethane, hexachloro-   |
| U024 | 111-91-1   | Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-                                       |
| U117 | 60-29-7    | Ethane, 1,1'-oxybis-(l)   |
| U025 | 111-44-4   | Ethane, 1,1'-oxybis[2-chloro-   |
| U184 | 76-01-7    | Ethane, pentachloro-  |
| U208 | 630-20-6   | Ethane, 1,1,1,2-tetrachloro-  |
| U209 | 79-34-5    | Ethane, 1,1,2,2-tetrachloro-  |
| U218 | 62-55-5    | Ethanethioamide   |
| U226 | 71-55-6    | Ethane, 1,1,1-trichloro-  |
| U227 | 79-00-5    | Ethane, 1,1,2-trichloro-  |
| U410 | 59669-26-0 | Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester |
| U394 | 30558-43-1 | Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester.            |
| U359 | 110-80-5   | Ethanol, 2-ethoxy-  |
| U173 | 1116-54-7  | Ethanol, 2,2'-(nitrosoimino)bis-  |
| U395 | 5952-26-1  | Ethanol, 2,2'-oxybis-, dicarbamate.   |
| U004 | 98-86-2    | Ethanone, 1-phenyl-   |
| U043 | 75-01-4    | Ethene, chloro-   |
| U042 | 110-75-8   | Ethene, (2-chloroethoxy)-   |
| U078 | 75-35-4    | Ethene, 1,1-dichloro-   |
| U079 | 156-60-5   | Ethene, 1,2-dichloro-, (E)-   |
| U210 | 127-18-4   | Ethene, tetrachloro-  |
| U228 | 79-01-6    | Ethene, trichloro-  |
| U112 | 141-78-6   | Ethyl acetate (l)   |
| U113 | 140-88-5   | Ethyl acrylate (l)  |
| U238 | 51-79-6    | Ethyl carbamate (urethane)  |
| U117 | 60-29-7    | Ethyl ether (l)   |
| U114 | 1 111-54-6 | Ethylenebisdithiocarbamic acid, salts & esters                                      |

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| U067 | 106-93-4   | Ethylene dibromide  |
| U077 | 107-06-2   | Ethylene dichloride   |
| U359 | 110-80-5   | Ethylene glycol monoethyl ether                               |
| U115 | 75-21-8    | Ethylene oxide (I,T)  |
| U116 | 96-45-7    | Ethylenethiourea  |
| U076 | 75-34-3    | Ethylidene dichloride   |
| U118 | 97-63-2    | Ethyl methacrylate  |
| U119 | 62-50-0    | Ethyl methanesulfonate  |
| U120 | 206-44-0   | Fluoranthene  |
| U122 | 50-00-0    | Formaldehyde  |
| U123 | 64-18-6    | Formic acid (C,T)   |
| U124 | 110-00-9   | Furan (I)   |
| U125 | 98-01-1    | 2-Furancarboxaldehyde (I)                                     |
| U147 | 108-31-6   | 2,5-Furandione  |
| U213 | 109-99-9   | Furan, tetrahydro-(I)   |
| U125 | 98-01-1    | Furfural (I)  |
| U124 | 110-00-9   | Furfuran (I)  |
| U206 | 18883-66-4 | Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-      |
| U206 | 18883-66-4 | D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-carbonyl]amino]- |
| U126 | 765-34-4   | Glycidylaldehyde  |
| U163 | 70-25-7    | Guanidine, N-methyl-N'-nitro-N-nitroso-                       |
| U127 | 118-74-1   | Hexachlorobenzene   |
| U128 | 87-68-3    | Hexachlorobutadiene   |
| U130 | 77-47-4    | Hexachlorocyclopentadiene                                     |
| U131 | 67-72-1    | Hexachloroethane  |
| U132 | 70-30-4    | Hexachlorophene   |
| U243 | 1888-71-7  | Hexachloropropene   |
| U133 | 302-01-2   | Hydrazine (R,T)   |

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| U086 | 1615-80-1 | Hydrazine, 1,2-diethyl-                    |
| U098 | 57-14-7   | Hydrazine, 1,1-dimethyl-                   |
| U099 | 540-73-8  | Hydrazine, 1,2-dimethyl-                   |
| U109 | 122-66-7  | Hydrazine, 1,2-diphenyl-                   |
| U134 | 7664-39-3 | Hydrofluoric acid (C,T)                    |
| U134 | 7664-39-3 | Hydrogen fluoride (C,T)                    |
| U135 | 7783-06-4 | Hydrogen sulfide                           |
| U135 | 7783-06-4 | Hydrogen sulfide H <sub>2</sub> S          |
| U096 | 80-15-9   | Hydroperoxide, 1-methyl-1-phenylethyl- (R) |
| U116 | 96-45-7   | 2-Imidazolidinethione                      |
| U137 | 193-39-5  | Indeno[1,2,3-cd]pyrene                     |
| U190 | 85-44-9   | 1,3-Isobenzofurandione                     |
| U140 | 78-83-1   | Isobutyl alcohol (I,T)                     |
| U141 | 120-58-1  | Isosafrole                                 |
| U142 | 143-50-0  | Kepone                                     |
| U143 | 303-34-4  | Lasiocarpine                               |
| U144 | 301-04-2  | Lead acetate                               |
| U146 | 1335-32-6 | Lead, bis(acetato-O)tetrahydroxytri-       |
| U145 | 7446-27-7 | Lead phosphate                             |
| U146 | 1335-32-6 | Lead subacetate                            |
| U129 | 58-89-9   | Lindane                                    |
| U163 | 70-25-7   | MNNG                                       |
| U147 | 108-31-6  | Maleic anhydride                           |
| U148 | 123-33-1  | Maleic hydrazide                           |
| U149 | 109-77-3  | Malononitrile                              |
| U150 | 148-82-3  | Melphalan                                  |
| U151 | 7439-97-6 | Mercury                                    |
| U152 | 126-98-7  | Methacrylonitrile (I, T)                   |
| U092 | 124-40-3  | Methanamine, N-methyl- (I)                 |

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| U029 | 74-83-9  | Methane, bromo-  |
| U045 | 74-87-3  | Methane, chloro- (I, T)  |
| U046 | 107-30-2 | Methane, chloromethoxy-  |
| U068 | 74-95-3  | Methane, dibromo-  |
| U080 | 75-09-2  | Methane, dichloro-   |
| U075 | 75-71-8  | Methane, dichlorodifluoro-   |
| U138 | 74-88-4  | Methane, iodo-   |
| U119 | 62-50-0  | Methanesulfonic acid, ethyl ester  |
| U211 | 56-23-5  | Methane, tetrachloro-  |
| U153 | 74-93-1  | Methanethiol (I, T)  |
| U225 | 75-25-2  | Methane, tribromo-   |
| U044 | 67-66-3  | Methane, trichloro-  |
| U121 | 75-69-4  | Methane, trichlorofluoro-  |
| U036 | 57-74-9  | 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-                 |
| U154 | 67-56-1  | Methanol (I)   |
| U155 | 91-80-5  | Methapyrilene  |
| U142 | 143-50-0 | 1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro- |
| U247 | 72-43-5  | Methoxychlor   |
| U154 | 67-56-1  | Methyl alcohol (I)   |
| U029 | 74-83-9  | Methyl bromide   |
| U186 | 504-60-9 | 1-Methylbutadiene (I)  |
| U045 | 74-87-3  | Methyl chloride (I,T)  |
| U156 | 79-22-1  | Methyl chlorocarbonate (I,T)   |
| U226 | 71-55-6  | Methyl chloroform  |
| U157 | 56-49-5  | 3-Methylcholanthrene   |
| U158 | 101-14-4 | 4,4'-Methylenebis(2-chloroaniline)   |
| U068 | 74-95-3  | Methylene bromide  |

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| U080 | 75-09-2    | Methylene chloride   |
| U159 | 78-93-3    | Methyl ethyl ketone (MEK) (I,T)  |
| U160 | 1338-23-4  | Methyl ethyl ketone peroxide (R,T)   |
| U138 | 74-88-4    | Methyl iodide  |
| U161 | 108-10-1   | Methyl isobutyl ketone (I)   |
| U162 | 80-62-6    | Methyl methacrylate (I,T)  |
| U161 | 108-10-1   | 4-Methyl-2-pentanone (I)   |
| U164 | 56-04-2    | Methylthiouracil   |
| U010 | 50-07-7    | Mitomycin C  |
| U059 | 20830-81-3 | 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)- |
| U167 | 134-32-7   | 1-Naphthalenamine  |
| U168 | 91-59-8    | 2-Naphthalenamine  |
| U026 | 494-03-1   | Naphthalenamine, N,N'-bis(2-chloroethyl)-  |
| U165 | 91-20-3    | Naphthalene  |
| U047 | 91-58-7    | Naphthalene, 2-chloro-   |
| U166 | 130-15-4   | 1,4-Naphthalenedione   |
| U236 | 72-57-1    | 2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[5-amino-4-hydroxy]-, tetrasodium salt                          |
| U279 | 63-25-2    | 1-Naphthalenol, methylcarbamate.   |
| U166 | 130-15-4   | 1,4-Naphthoquinone   |
| U167 | 134-32-7   | alpha-Naphthylamine  |
| U168 | 91-59-8    | beta-Naphthylamine   |
| U217 | 10102-45-1 | Nitric acid, thallium(1+) salt   |
| U169 | 98-95-3    | Nitrobenzene (I,T)   |
| U170 | 100-02-7   | p-Nitrophenol  |
| U171 | 79-46-9    | 2-Nitropropane (I,T)   |
| U172 | 924-16-3   | N-Nitrosodi-n-butylamine   |

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| U173     | 1116-54-7 | N-Nitrosodiethanolamine   |
| U174     | 55-18-5   | N-Nitrosodiethylamine   |
| U176     | 759-73-9  | N-Nitroso-N-ethylurea   |
| U177     | 684-93-5  | N-Nitroso-N-methylurea  |
| U178     | 615-53-2  | N-Nitroso-N-methylurethane  |
| U179     | 100-75-4  | N-Nitrosopiperidine   |
| U180     | 930-55-2  | N-Nitrosopyrrolidine  |
| U181     | 99-55-8   | 5-Nitro-o-toluidine   |
| U193     | 1120-71-4 | 1,2-Oxathiolane, 2,2-dioxide  |
| U058     | 50-18-0   | 2H-1,3,2-Oxazaphosphorin-2-amine,N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide |
| U115     | 75-21-8   | Oxirane (I,T)   |
| U126     | 765-34-4  | Oxiranecarboxyaldehyde  |
| U041     | 106-89-8  | Oxirane, (chloromethyl)-  |
| U182     | 123-63-7  | Paraldehyde   |
| U183     | 608-93-5  | Pentachlorobenzene  |
| U184     | 76-01-7   | Pentachloroethane   |
| U185     | 82-68-8   | Pentachloronitrobenzene (PCNB)  |
| See F027 | 87-86-5   | Pentachlorophenol   |
| U161     | 108-10-1  | Pentanol, 4-methyl-   |
| U186     | 504-60-9  | 1,3-Pentadiene (I)  |
| U187     | 62-44-2   | Phenacetin  |
| U188     | 108-95-2  | Phenol  |
| U048     | 95-57-8   | Phenol, 2-chloro-   |
| U039     | 59-50-7   | Phenol, 4-chloro-3-methyl-  |
| U081     | 120-83-2  | Phenol, 2,4-dichloro-   |
| U082     | 87-65-0   | Phenol, 2,6-dichloro-   |
| U089     | 56-53-1   | Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)-                         |
| U101     | 105-67-9  | Phenol, 2,4-dimethyl-   |



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| U052     | 1319-77-3  | Phenol, methyl-                                    |
| U132     | 70-30-4    | Phenol, 2,2'-methylenebis[3,4,6-trichloro-         |
| U411     | 114-26-1   | Phenol, 2-(1-methylethoxy)-, methylcarbamate.      |
| U170     | 100-02-7   | Phenol, 4-nitro-                                   |
| See F027 | 87-86-5    | Phenol, pentachloro-                               |
| See F027 | 58-90-2    | Phenol, 2,3,4,6-tetrachloro-                       |
| See F027 | 95-95-4    | Phenol, 2,4,5-trichloro-                           |
| See F027 | 88-06-2    | Phenol, 2,4,6-trichloro-                           |
| U150     | 148-82-3   | L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-      |
| U145     | 7446-27-7  | Phosphoric acid, lead(2+) salt (2:3)               |
| U087     | 3288-58-2  | Phosphorodithioic acid, O,O-diethyl S-methyl ester |
| U189     | 1314-80-3  | Phosphorus sulfide (R)                             |
| U190     | 85-44-9    | Phthalic anhydride                                 |
| U191     | 109-06-8   | 2-Picoline   |
| U179     | 100-75-4   | Piperidine, 1-nitroso-                             |
| U192     | 23950-58-5 | Pronamide  |
| U194     | 107-10-8   | 1-Propanamine (I,T)                                |
| U111     | 621-64-7   | 1-Propanamine, N-nitroso-N-propyl-                 |
| U110     | 142-84-7   | 1-Propanamine, N-propyl- (I)                       |
| U066     | 96-12-8    | Propane, 1,2-dibromo-3-chloro-                     |
| U083     | 78-87-5    | Propane, 1,2-dichloro-                             |
| U149     | 109-77-3   | Propanedinitrile                                   |
| U171     | 79-46-9    | Propane, 2-nitro- (I,T)                            |
| U027     | 108-60-1   | Propane, 2,2'-oxybis[2-chloro-                     |
| U193     | 1120-71-4  | 1,3-Propane sultone                                |
| See F027 | 93-72-1    | Propanoic acid, 2-(2,4,5-trichlorophenoxy)-        |
| U235     | 126-72-7   | 1-Propanol, 2,3-dibromo-, phosphate (3:1)          |
| U140     | 78-83-1    | 1-Propanol, 2-methyl- (I,T)                        |
| U002     | 67-64-1    | 2-Propanone (I)                                    |

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| U007     | 79-06-1    | 2-Propenamide   |
| U084     | 542-75-6   | 1-Propene, 1,3-dichloro-                                  |
| U243     | 1888-71-7  | 1-Propene, 1,1,2,3,3,3-hexachloro-                        |
| U009     | 107-13-1   | 2-Propenenitrile  |
| U152     | 126-98-7   | 2-Propenenitrile, 2-methyl- (I,T)                         |
| U008     | 79-10-7    | 2-Propenoic acid (I)                                      |
| U113     | 140-88-5   | 2-Propenoic acid, ethyl ester (I)                         |
| U118     | 97-63-2    | 2-Propenoic acid, 2-methyl-, ethyl ester                  |
| U162     | 80-62-6    | 2-Propenoic acid, 2-methyl-, methyl ester (I,T)           |
| U373     | 122-42-9   | Propham.  |
| U411     | 114-26-1   | Propoxur.   |
| U387     | 52888-80-9 | Prosulfocarb.   |
| U194     | 107-10-8   | n-Propylamine (I,T)                                       |
| U083     | 78-87-5    | Propylene dichloride                                      |
| U148     | 123-33-1   | 3,6-Pyridazinedione, 1,2-dihydro-                         |
| U196     | 110-86-1   | Pyridine  |
| U191     | 109-06-8   | Pyridine, 2-methyl-                                       |
| U237     | 66-75-1    | 2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]- |
| U164     | 56-04-2    | 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-        |
| U180     | 930-55-2   | Pyrrolidine, 1-nitroso-                                   |
| U200     | 50-55-5    | Reserpine   |
| U201     | 108-46-3   | Resorcinol  |
| U203     | 94-59-7    | Safrole   |
| U204     | 7783-00-8  | Selenious acid  |
| U204     | 7783-00-8  | Selenium dioxide  |
| U205     | 7488-56-4  | Selenium sulfide  |
| U205     | 7488-56-4  | Selenium sulfide SeS <sub>2</sub> (R,T)                   |
| U015     | 115-02-6   | L-Serine, diazoacetate (ester)                            |
| See F027 | 93-72-1    | Silvex (2,4,5-TP)   |

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| U206     | 18883-66-4 | Streptozotocin  |
| U103     | 77-78-1    | Sulfuric acid, dimethyl ester                                     |
| U189     | 1314-80-3  | Sulfur phosphide (R)  |
| See F027 | 93-76-5    | 2,4,5-T   |
| U207     | 95-94-3    | 1,2,4,5-Tetrachlorobenzene  |
| U208     | 630-20-6   | 1,1,1,2-Tetrachloroethane   |
| U209     | 79-34-5    | 1,1,2,2-Tetrachloroethane   |
| U210     | 127-18-4   | Tetrachloroethylene   |
| See F027 | 58-90-2    | 2,3,4,6-Tetrachlorophenol   |
| U213     | 109-99-9   | Tetrahydrofuran (I)   |
| U214     | 563-68-8   | Thallium(I) acetate   |
| U215     | 6533-73-9  | Thallium(I) carbonate   |
| U216     | 7791-12-0  | Thallium(I) chloride  |
| U216     | 7791-12-0  | thallium chloride TlCl  |
| U217     | 10102-45-1 | Thallium(I) nitrate   |
| U218     | 62-55-5    | Thioacetamide   |
| U410     | 59669-26-0 | Thiodicarb.   |
| U153     | 74-93-1    | Thiomethanol (I,T)  |
| U244     | 137-26-8   | Thioperoxydicarbonic diamide $[(H_2 N)C(S)]_2 S_2$ , tetramethyl- |
| U409     | 23564-05-8 | Thiophanate-methyl.   |
| U219     | 62-56-6    | Thiourea  |
| U244     | 137-26-8   | Thiram  |
| U220     | 108-88-3   | Toluene   |
| U221     | 25376-45-8 | Toluenediamine  |
| U223     | 26471-62-5 | Toluene diisocyanate (R,T)  |
| U328     | 95-53-4    | o-Toluidine   |
| U353     | 106-49-0   | p-Toluidine   |
| U222     | 636-21-5   | o-Toluidine hydrochloride   |
| U389     | 2303-17-5  | Triallate.  |

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| U011     | 61-82-5   | 1H-1,2,4-Triazol-3-amine  |
| U226     | 71-55-6   | 1,1,1-Trichloroethane   |
| U227     | 79-00-5   | 1,1,2-Trichloroethane   |
| U228     | 79-01-6   | Trichloroethylene   |
| U121     | 75-69-4   | Trichloromonofluoromethane  |
| See F027 | 95-95-4   | 2,4,5-Trichlorophenol   |
| See F027 | 88-06-2   | 2,4,6-Trichlorophenol   |
| U404     | 121-44-8  | Triethylamine.  |
| U234     | 99-35-4   | 1,3,5-Trinitrobenzene (R,T)   |
| U182     | 123-63-7  | 1,3,5-Trioxane, 2,4,6-trimethyl-  |
| U235     | 126-72-7  | Tris(2,3-dibromopropyl) phosphate   |
| U236     | 72-57-1   | Trypan blue   |
| U237     | 66-75-1   | Uracil mustard  |
| U176     | 759-73-9  | Urea, N-ethyl-N-nitroso-  |
| U177     | 684-93-5  | Urea, N-methyl-N-nitroso-   |
| U043     | 75-01-4   | Vinyl chloride  |
| U248     | 1 81-81-2 | Warfarin, & salts, when present at concentrations of 0.3% or less   |
| U239     | 1330-20-7 | Xylene (I)  |
| U200     | 50-55-5   | Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester, (3beta,16beta,17alpha,18beta,20alpha)- |
| U249     | 1314-84-7 | Zinc phosphide $Zn_3 P_2$ , when present at concentrations of 10% or less   |
| U001     | 75-07-0   | Acetaldehyde (I)  |
| U001     | 75-07-0   | Ethanal (I)   |
| U002     | 67-64-1   | Acetone (I)   |
| U002     | 67-64-1   | 2-Propanone (I)   |
| U003     | 75-05-8   | Acetonitrile (I,T)  |
| U004     | 98-86-2   | Acetophenone  |

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| U004 | 98-86-2  | Ethanone, 1-phenyl-   |
| U005 | 53-96-3  | Acetamide, -9H-fluoren-2-yl-  |
| U005 | 53-96-3  | 2-Acetylaminofluorene   |
| U006 | 75-36-5  | Acetyl chloride (C,R,T)   |
| U007 | 79-06-1  | Acrylamide  |
| U007 | 79-06-1  | 2-Propenamide   |
| U008 | 79-10-7  | Acrylic acid (I)  |
| U008 | 79-10-7  | 2-Propenoic acid (I)  |
| U009 | 107-13-1 | Acrylonitrile   |
| U009 | 107-13-1 | 2-Propenenitrile  |
| U010 | 50-07-7  | Azirino[2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-8-[[aminocarbonyloxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 8beta,8aalpha,8balpha)]- |
| U010 | 50-07-7  | Mitomycin C   |
| U011 | 61-82-5  | Amitrole  |
| U011 | 61-82-5  | 1H-1,2,4-Triazol-3-amine  |
| U012 | 62-53-3  | Aniline (I,T)   |
| U012 | 62-53-3  | Benzenamine (I,T)   |
| U014 | 492-80-8 | Auramine  |
| U014 | 492-80-8 | Benzenamine, 4,4'-carbonimidoylbis[N,N-dimethyl-  |
| U015 | 115-02-6 | Azaserine   |
| U015 | 115-02-6 | L-Serine, diazoacetate (ester)  |
| U016 | 225-51-4 | Benz[c]acridine   |
| U017 | 98-87-3  | Benzal chloride   |
| U017 | 98-87-3  | Benzene, (dichloromethyl)-  |
| U018 | 56-55-3  | Benz[a]anthracene   |
| U019 | 71-43-2  | Benzene (I,T)   |
| U020 | 98-09-9  | Benzenesulfonic acid chloride (C,R)   |
| U020 | 98-09-9  | Benzenesulfonyl chloride (C,R)  |

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| U021 | 92-87-5    | Benzidine   |
| U021 | 92-87-5    | [1,1'-Biphenyl]-4,4'-diamine                                |
| U022 | 50-32-8    | Benzo[a]pyrene  |
| U023 | 98-07-7    | Benzene, (trichloromethyl)-                                 |
| U023 | 98-07-7    | Benzotrichloride (C,R,T)                                    |
| U024 | 111-91-1   | Dichloromethoxy ethane                                      |
| U024 | 111-91-1   | Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro-               |
| U025 | 111-44-4   | Dichloroethyl ether   |
| U025 | 111-44-4   | Ethane, 1,1'-oxybis[2-chloro-                               |
| U026 | 494-03-1   | Chlornaphazin   |
| U026 | 494-03-1   | Naphthalenamine, N,N'-bis(2-chloroethyl)-                   |
| U027 | 108-60-1   | Dichloroisopropyl ether                                     |
| U027 | 108-60-1   | Propane, 2,2'-oxybis[2-chloro-                              |
| U028 | 117-81-7   | 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester       |
| U028 | 117-81-7   | Diethylhexyl phthalate                                      |
| U029 | 74-83-9    | Methane, bromo-   |
| U029 | 74-83-9    | Methyl bromide  |
| U030 | 101-55-3   | Benzene, 1-bromo-4-phenoxy-                                 |
| U030 | 101-55-3   | 4-Bromophenyl phenyl ether                                  |
| U031 | 71-36-3    | 1-Butanol (I)   |
| U031 | 71-36-3    | n-Butyl alcohol (I)   |
| U032 | 13765-19-0 | Calcium chromate  |
| U032 | 13765-19-0 | Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt |
| U033 | 353-50-4   | Carbonic difluoride   |
| U033 | 353-50-4   | Carbon oxyfluoride (R,T)                                    |
| U034 | 75-87-6    | Acetaldehyde, trichloro-                                    |
| U034 | 75-87-6    | Chloral   |
| U035 | 305-03-3   | Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-          |
| U035 | 305-03-3   | Chlorambucil  |

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| U036 | 57-74-9   | Chlordane, alpha & gamma isomers  |
| U036 | 57-74-9   | 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-      |
| U037 | 108-90-7  | Benzene, chloro-  |
| U037 | 108-90-7  | Chlorobenzene   |
| U038 | 510-15-6  | Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester |
| U038 | 510-15-6  | Chlorobenzilate   |
| U039 | 59-50-7   | p-Chloro-m-cresol   |
| U039 | 59-50-7   | Phenol, 4-chloro-3-methyl-  |
| U041 | 106-89-8  | Epichlorohydrin   |
| U041 | 106-89-8  | Oxirane, (chloromethyl)-  |
| U042 | 110-75-8  | 2-Chloroethyl vinyl ether   |
| U042 | 110-75-8  | Ethene, (2-chloroethoxy)-   |
| U043 | 75-01-4   | Ethene, chloro-   |
| U043 | 75-01-4   | Vinyl chloride  |
| U044 | 67-66-3   | Chloroform  |
| U044 | 67-66-3   | Methane, trichloro-   |
| U045 | 74-87-3   | Methane, chloro- (I,T)  |
| U045 | 74-87-3   | Methyl chloride (I,T)   |
| U046 | 107-30-2  | Chloromethyl methyl ether   |
| U046 | 107-30-2  | Methane, chloromethoxy-   |
| U047 | 91-58-7   | beta-Chloronaphthalene  |
| U047 | 91-58-7   | Naphthalene, 2-chloro-  |
| U048 | 95-57-8   | o-Chlorophenol  |
| U048 | 95-57-8   | Phenol, 2-chloro-   |
| U049 | 3165-93-3 | Benzenamine, 4-chloro-2-methyl-, hydrochloride                                  |
| U049 | 3165-93-3 | 4-Chloro-o-toluidine, hydrochloride   |
| U050 | 218-01-9  | Chrysene  |

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| U051 |            | Creosote   |
| U052 | 1319-77-3  | Cresol (Cresylic acid)   |
| U052 | 1319-77-3  | Phenol, methyl-  |
| U053 | 4170-30-3  | 2-Butenal  |
| U053 | 4170-30-3  | Crotonaldehyde   |
| U055 | 98-82-8    | Benzene, (1-methylethyl)-(l)   |
| U055 | 98-82-8    | Cumene (l)   |
| U056 | 110-82-7   | Benzene, hexahydro-(l)   |
| U056 | 110-82-7   | Cyclohexane (l)  |
| U057 | 108-94-1   | Cyclohexanone (l)  |
| U058 | 50-18-0    | Cyclophosphamide   |
| U058 | 50-18-0    | 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide   |
| U059 | 20830-81-3 | Daunomycin   |
| U059 | 20830-81-3 | 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)- |
| U060 | 72-54-8    | Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-  |
| U060 | 72-54-8    | DDD  |
| U061 | 50-29-3    | Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-   |
| U061 | 50-29-3    | DDT  |
| U062 | 2303-16-4  | Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-di chloro-2-propenyl) ester  |
| U062 | 2303-16-4  | Diallate   |
| U063 | 53-70-3    | Dibenz[a,h]anthracene  |
| U064 | 189-55-9   | Benzo[rs]t]pentaphene  |
| U064 | 189-55-9   | Dibenzo[a,i]pyrene   |
| U066 | 96-12-8    | 1,2-Dibromo-3-chloropropane  |
| U066 | 96-12-8    | Propane, 1,2-dibromo-3-chloro-   |
| U067 | 106-93-4   | Ethane, 1,2-dibromo-   |



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| U067 | 106-93-4 | Ethylene dibromide                           |
| U068 | 74-95-3  | Methane, dibromo-                            |
| U068 | 74-95-3  | Methylene bromide                            |
| U069 | 84-74-2  | 1,2-Benzenedicarboxylic acid, dibutyl ester  |
| U069 | 84-74-2  | Dibutyl phthalate                            |
| U070 | 95-50-1  | Benzene, 1,2-dichloro-                       |
| U070 | 95-50-1  | o-Dichlorobenzene                            |
| U071 | 541-73-1 | Benzene, 1,3-dichloro-                       |
| U071 | 541-73-1 | m-Dichlorobenzene                            |
| U072 | 106-46-7 | Benzene, 1,4-dichloro-                       |
| U072 | 106-46-7 | p-Dichlorobenzene                            |
| U073 | 91-94-1  | [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro- |
| U073 | 91-94-1  | 3,3'-Dichlorobenzidine                       |
| U074 | 764-41-0 | 2-Butene, 1,4-dichloro-(I,T)                 |
| U074 | 764-41-0 | 1,4-Dichloro-2-butene (I,T)                  |
| U075 | 75-71-8  | Dichlorodifluoromethane                      |
| U075 | 75-71-8  | Methane, dichlorodifluoro-                   |
| U076 | 75-34-3  | Ethane, 1,1-dichloro-                        |
| U076 | 75-34-3  | Ethylidene dichloride                        |
| U077 | 107-06-2 | Ethane, 1,2-dichloro-                        |
| U077 | 107-06-2 | Ethylene dichloride                          |
| U078 | 75-35-4  | 1,1-Dichloroethylene                         |
| U078 | 75-35-4  | Ethene, 1,1-dichloro-                        |
| U079 | 156-60-5 | 1,2-Dichloroethylene                         |
| U079 | 156-60-5 | Ethene, 1,2-dichloro-, (E)-                  |
| U080 | 75-09-2  | Methane, dichloro-                           |
| U080 | 75-09-2  | Methylene chloride                           |
| U081 | 120-83-2 | 2,4-Dichlorophenol                           |
| U081 | 120-83-2 | Phenol, 2,4-dichloro-                        |

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| U082 | 87-65-0   | 2,6-Dichlorophenol                                  |
| U082 | 87-65-0   | Phenol, 2,6-dichloro-                               |
| U083 | 78-87-5   | Propane, 1,2-dichloro-                              |
| U083 | 78-87-5   | Propylene dichloride                                |
| U084 | 542-75-6  | 1,3-Dichloropropene                                 |
| U084 | 542-75-6  | 1-Propene, 1,3-dichloro-                            |
| U085 | 1464-53-5 | 2,2'-Bioxirane                                      |
| U085 | 1464-53-5 | 1,2:3,4-Diepoxybutane (I,T)                         |
| U086 | 1615-80-1 | N,N'-Diethylhydrazine                               |
| U086 | 1615-80-1 | Hydrazine, 1,2-diethyl-                             |
| U087 | 3288-58-2 | O,O-Diethyl S-methyl dithiophosphate                |
| U087 | 3288-58-2 | Phosphorodithioic acid, O,O-diethyl S-methyl ester  |
| U088 | 84-66-2   | 1,2-Benzenedicarboxylic acid, diethyl ester         |
| U088 | 84-66-2   | Diethyl phthalate                                   |
| U089 | 56-53-1   | Diethylstilbesterol                                 |
| U089 | 56-53-1   | Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)- |
| U090 | 94-58-6   | 1,3-Benzodioxole, 5-propyl-                         |
| U090 | 94-58-6   | Dihydrosafrole                                      |
| U091 | 119-90-4  | [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-       |
| U091 | 119-90-4  | 3,3'-Dimethoxybenzidine                             |
| U092 | 124-40-3  | Dimethylamine (I)                                   |
| U092 | 124-40-3  | Methanamine, -methyl-(I)                            |
| U093 | 60-11-7   | Benzenamine, N,N-dimethyl-4-(phenylazo)-            |
| U093 | 60-11-7   | p-Dimethylaminoazobenzene                           |
| U094 | 57-97-6   | Benz[a]anthracene, 7,12-dimethyl-                   |
| U094 | 57-97-6   | 7,12-Dimethylbenz[a]anthracene                      |
| U095 | 119-93-7  | [1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-        |
| U095 | 119-93-7  | 3,3'-Dimethylbenzidine                              |
| U096 | 80-15-9   | alpha,alpha-Dimethylbenzylhydroperoxide (R)         |

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| U096 | 80-15-9  | Hydroperoxide, 1-methyl-1-phenylethyl-(R)    |
| U097 | 79-44-7  | Carbamic chloride, dimethyl-                 |
| U097 | 79-44-7  | Dimethylcarbamoyl chloride                   |
| U098 | 57-14-7  | 1,1-Dimethylhydrazine                        |
| U098 | 57-14-7  | Hydrazine, 1,1-dimethyl-                     |
| U099 | 540-73-8 | 1,2-Dimethylhydrazine                        |
| U099 | 540-73-8 | Hydrazine, 1,2-dimethyl-                     |
| U101 | 105-67-9 | 2,4-Dimethylphenol                           |
| U101 | 105-67-9 | Phenol, 2,4-dimethyl-                        |
| U102 | 131-11-3 | 1,2-Benzenedicarboxylic acid, dimethyl ester |
| U102 | 131-11-3 | Dimethyl phthalate                           |
| U103 | 77-78-1  | Dimethyl sulfate                             |
| U103 | 77-78-1  | Sulfuric acid, dimethyl ester                |
| U105 | 121-14-2 | Benzene, 1-methyl-2,4-dinitro-               |
| U105 | 121-14-2 | 2,4-Dinitrotoluene                           |
| U106 | 606-20-2 | Benzene, 2-methyl-1,3-dinitro-               |
| U106 | 606-20-2 | 2,6-Dinitrotoluene                           |
| U107 | 117-84-0 | 1,2-Benzenedicarboxylic acid, dioctyl ester  |
| U107 | 117-84-0 | Di-n-octyl phthalate                         |
| U108 | 123-91-1 | 1,4-Diethyleneoxide                          |
| U108 | 123-91-1 | 1,4-Dioxane                                  |
| U109 | 122-66-7 | 1,2-Diphenylhydrazine                        |
| U109 | 122-66-7 | Hydrazine, 1,2-diphenyl-                     |
| U110 | 142-84-7 | Dipropylamine (I)                            |
| U110 | 142-84-7 | 1-Propanamine, N-propyl-(I)                  |
| U111 | 621-64-7 | Di-n-propylnitrosamine                       |
| U111 | 621-64-7 | 1-Propanamine, N-nitroso-N-propyl-           |
| U112 | 141-78-6 | Acetic acid ethyl ester (I)                  |
| U112 | 141-78-6 | Ethyl acetate (I)                            |

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| U113 | 140-88-5  | Ethyl acrylate (I)                                      |
| U113 | 140-88-5  | 2-Propenoic acid, ethyl ester (I)                       |
| U114 | 1111-54-6 | Carbamodithioic acid, 1,2-ethanediybis-, salts & esters |
| U114 | 1111-54-6 | Ethylenebisdithiocarbamic acid, salts & esters          |
| U115 | 75-21-8   | Ethylene oxide (I,T)                                    |
| U115 | 75-21-8   | Oxirane (I,T)   |
| U116 | 96-45-7   | Ethylenethiourea  |
| U116 | 96-45-7   | 2-Imidazolidinethione                                   |
| U117 | 60-29-7   | Ethane, 1,1'-oxybis-(I)                                 |
| U117 | 60-29-7   | Ethyl ether (I)   |
| U118 | 97-63-2   | Ethyl methacrylate                                      |
| U118 | 97-63-2   | 2-Propenoic acid, 2-methyl-, ethyl ester                |
| U119 | 62-50-0   | Ethyl methanesulfonate                                  |
| U119 | 62-50-0   | Methanesulfonic acid, ethyl ester                       |
| U120 | 206-44-0  | Fluoranthene  |
| U121 | 75-69-4   | Methane, trichlorofluoro-                               |
| U121 | 75-69-4   | Trichloromonofluoromethane                              |
| U122 | 50-00-0   | Formaldehyde  |
| U123 | 64-18-6   | Formic acid (C,T)                                       |
| U124 | 110-00-9  | Furan (I)   |
| U124 | 110-00-9  | Furfuran (I)  |
| U125 | 98-01-1   | 2-Furancarboxaldehyde (I)                               |
| U125 | 98-01-1   | Furfural (I)  |
| U126 | 765-34-4  | Glycidylaldehyde  |
| U126 | 765-34-4  | Oxiranecarboxyaldehyde                                  |
| U127 | 118-74-1  | Benzene, hexachloro-                                    |
| U127 | 118-74-1  | Hexachlorobenzene                                       |
| U128 | 87-68-3   | 1,3-Butadiene, 1,1,2,3,4,4-hexachloro-                  |
| U128 | 87-68-3   | Hexachlorobutadiene                                     |

|      |           |  |
|------|-----------|--|
| U129 | 58-89-9   | Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha,2alpha,3beta,4alpha,5alpha,6beta)-   |
| U129 | 58-89-9   | Lindane  |
| U130 | 77-47-4   | 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-   |
| U130 | 77-47-4   | Hexachlorocyclopentadiene  |
| U131 | 67-72-1   | Ethane, hexachloro-  |
| U131 | 67-72-1   | Hexachloroethane   |
| U132 | 70-30-4   | Hexachlorophene  |
| U132 | 70-30-4   | Phenol, 2,2'-methylenebis[3,4,6-trichloro-   |
| U133 | 302-01-2  | Hydrazine (R,T)  |
| U134 | 7664-39-3 | Hydrofluoric acid (C,T)  |
| U134 | 7664-39-3 | Hydrogen fluoride (C,T)  |
| U135 | 7783-06-4 | Hydrogen sulfide   |
| U135 | 7783-06-4 | Hydrogen sulfide H <sub>2</sub> S  |
| U136 | 75-60-5   | Arsinic acid, dimethyl-  |
| U136 | 75-60-5   | Cacodylic acid   |
| U137 | 193-39-5  | Indeno[1,2,3-cd]pyrene   |
| U138 | 74-88-4   | Methane, iodo-   |
| U138 | 74-88-4   | Methyl iodide  |
| U140 | 78-83-1   | Isobutyl alcohol (I,T)   |
| U140 | 78-83-1   | 1-Propanol, 2-methyl- (I,T)  |
| U141 | 120-58-1  | 1,3-Benzodioxole, 5-(1-propenyl)-  |
| U141 | 120-58-1  | Isosafrole   |
| U142 | 143-50-0  | Kepone   |
| U142 | 143-50-0  | 1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-   |
| U143 | 303-34-4  | 2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*,3R*),7aalpha]]- |

|      |           |  |
|------|-----------|--|
| U143 | 303-34-4  | Lasiocarpine   |
| U144 | 301-04-2  | Acetic acid, lead(2+) salt   |
| U144 | 301-04-2  | Lead acetate   |
| U145 | 7446-27-7 | Lead phosphate   |
| U145 | 7446-27-7 | Phosphoric acid, lead(2+) salt (2:3)                                 |
| U146 | 1335-32-6 | Lead, bis(acetato-O)tetrahydroxytri-                                 |
| U146 | 1335-32-6 | Lead subacetate  |
| U147 | 108-31-6  | 2,5-Furandione   |
| U147 | 108-31-6  | Maleic anhydride   |
| U148 | 123-33-1  | Maleic hydrazide   |
| U148 | 123-33-1  | 3,6-Pyridazinedione, 1,2-dihydro-                                    |
| U149 | 109-77-3  | Malononitrile  |
| U149 | 109-77-3  | Propanedinitrile   |
| U150 | 148-82-3  | Melphalan  |
| U150 | 148-82-3  | L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-                        |
| U151 | 7439-97-6 | Mercury  |
| U152 | 126-98-7  | Methacrylonitrile (I,T)  |
| U152 | 126-98-7  | 2-Propenenitrile, 2-methyl- (I,T)                                    |
| U153 | 74-93-1   | Methanethiol (I,T)   |
| U153 | 74-93-1   | Thiomethanol (I,T)   |
| U154 | 67-56-1   | Methanol (I)   |
| U154 | 67-56-1   | Methyl alcohol (I)   |
| U155 | 91-80-5   | 1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)- |
| U155 | 91-80-5   | Methapyrilene  |
| U156 | 79-22-1   | Carbonochloridic acid, methyl ester (I,T)                            |
| U156 | 79-22-1   | Methyl chlorocarbonate (I,T)   |
| U157 | 56-49-5   | Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-                          |
| U157 | 56-49-5   | 3-Methylcholanthrene   |

|      |           |  |
|------|-----------|--|
| U158 | 101-14-4  | Benzenamine, 4,4'-methylenebis[2-chloro-           |
| U158 | 101-14-4  | 4,4'-Methylenebis(2-chloroaniline)                 |
| U159 | 78-93-3   | 2-Butanone (I,T)                                   |
| U159 | 78-93-3   | Methyl ethyl ketone (MEK) (I,T)                    |
| U160 | 1338-23-4 | 2-Butanone, peroxide (R,T)                         |
| U160 | 1338-23-4 | Methyl ethyl ketone peroxide (R,T)                 |
| U161 | 108-10-1  | Methyl isobutyl ketone (I)                         |
| U161 | 108-10-1  | 4-Methyl-2-pentanone (I)                           |
| U161 | 108-10-1  | Pentanol, 4-methyl-                                |
| U162 | 80-62-6   | Methyl methacrylate (I,T)                          |
| U162 | 80-62-6   | 2-Propenoic acid, 2-methyl-, methyl ester (I,T)    |
| U163 | 70-25-7   | Guanidine, -methyl-N'-nitro-N-nitroso-             |
| U163 | 70-25-7   | MNNG   |
| U164 | 56-04-2   | Methylthiouracil                                   |
| U164 | 56-04-2   | 4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo- |
| U165 | 91-20-3   | Naphthalene  |
| U166 | 130-15-4  | 1,4-Naphthalenedione                               |
| U166 | 130-15-4  | 1,4-Naphthoquinone                                 |
| U167 | 134-32-7  | 1-Naphthalenamine                                  |
| U167 | 134-32-7  | alpha-Naphthylamine                                |
| U168 | 91-59-8   | 2-Naphthalenamine                                  |
| U168 | 91-59-8   | beta-Naphthylamine                                 |
| U169 | 98-95-3   | Benzene, nitro-                                    |
| U169 | 98-95-3   | Nitrobenzene (I,T)                                 |
| U170 | 100-02-7  | p-Nitrophenol                                      |
| U170 | 100-02-7  | Phenol, 4-nitro-                                   |
| U171 | 79-46-9   | 2-Nitropropane (I,T)                               |
| U171 | 79-46-9   | Propane, 2-nitro- (I,T)                            |
| U172 | 924-16-3  | 1-Butanamine, N-butyl-N-nitroso-                   |

|      |           |  |
|------|-----------|--|
| U172 | 924-16-3  | N-Nitrosodi-n-butylamine                   |
| U173 | 1116-54-7 | Ethanol, 2,2'-(nitrosoimino)bis-           |
| U173 | 1116-54-7 | N-Nitrosodiethanolamine                    |
| U174 | 55-18-5   | Ethanamine, -ethyl-N-nitroso-              |
| U174 | 55-18-5   | N-Nitrosodiethylamine                      |
| U176 | 759-73-9  | N-Nitroso-N-ethylurea                      |
| U176 | 759-73-9  | Urea, N-ethyl-N-nitroso-                   |
| U177 | 684-93-5  | N-Nitroso-N-methylurea                     |
| U177 | 684-93-5  | Urea, N-methyl-N-nitroso-                  |
| U178 | 615-53-2  | Carbamic acid, methylnitroso-, ethyl ester |
| U178 | 615-53-2  | N-Nitroso-N-methylurethane                 |
| U179 | 100-75-4  | N-Nitrosopiperidine                        |
| U179 | 100-75-4  | Piperidine, 1-nitroso-                     |
| U180 | 930-55-2  | N-Nitrosopyrrolidine                       |
| U180 | 930-55-2  | Pyrrolidine, 1-nitroso-                    |
| U181 | 99-55-8   | Benzenamine, 2-methyl-5-nitro-             |
| U181 | 99-55-8   | 5-Nitro-o-toluidine                        |
| U182 | 123-63-7  | 1,3,5-Trioxane, 2,4,6-trimethyl-           |
| U182 | 123-63-7  | Paraldehyde                                |
| U183 | 608-93-5  | Benzene, pentachloro-                      |
| U183 | 608-93-5  | Pentachlorobenzene                         |
| U184 | 76-01-7   | Ethane, pentachloro-                       |
| U184 | 76-01-7   | Pentachloroethane                          |
| U185 | 82-68-8   | Benzene, pentachloronitro-                 |
| U185 | 82-68-8   | Pentachloronitrobenzene (PCNB)             |
| U186 | 504-60-9  | 1-Methylbutadiene (I)                      |
| U186 | 504-60-9  | 1,3-Pentadiene (I)                         |
| U187 | 62-44-2   | Acetamide, -(4-ethoxyphenyl)-              |
| U187 | 62-44-2   | Phenacetin                                 |



|      |            |  |
|------|------------|--|
| U188 | 108-95-2   | Phenol   |
| U189 | 1314-80-3  | Phosphorus sulfide (R)   |
| U189 | 1314-80-3  | Sulfur phosphide (R)   |
| U190 | 85-44-9    | 1,3-Isobenzofurandione   |
| U190 | 85-44-9    | Phthalic anhydride   |
| U191 | 109-06-8   | 2-Picoline   |
| U191 | 109-06-8   | Pyridine, 2-methyl-  |
| U192 | 23950-58-5 | Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-   |
| U192 | 23950-58-5 | Pronamide  |
| U193 | 1120-71-4  | 1,2-Oxathiolane, 2,2-dioxide   |
| U193 | 1120-71-4  | 1,3-Propane sultone  |
| U194 | 107-10-8   | 1-Propanamine (I,T)  |
| U194 | 107-10-8   | n-Propylamine (I,T)  |
| U196 | 110-86-1   | Pyridine   |
| U197 | 106-51-4   | p-Benzoquinone   |
| U197 | 106-51-4   | 2,5-Cyclohexadiene-1,4-dione   |
| U200 | 50-55-5    | Reserpine  |
| U200 | 50-55-5    | Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester,(3beta,16beta,17alpha,18beta,20alpha)- |
| U201 | 108-46-3   | 1,3-Benzenediol  |
| U201 | 108-46-3   | Resorcinol   |
| U203 | 94-59-7    | 1,3-Benzodioxole, 5-(2-propenyl)-  |
| U203 | 94-59-7    | Safrole  |
| U204 | 7783-00-8  | Selenious acid   |
| U204 | 7783-00-8  | Selenium dioxide   |
| U205 | 7488-56-4  | Selenium sulfide   |
| U205 | 7488-56-4  | Selenium sulfide SeS <sub>2</sub> (R,T)  |
| U206 | 18883-66-4 | Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-   |

|      |            |   |
|------|------------|---|
| U206 | 18883-66-4 | D-Glucose, 2-deoxy-2-[[[(methylnitrosoamino)-carbonyl]amino]- |
| U206 | 18883-66-4 | Streptozotocin  |
| U207 | 95-94-3    | Benzene, 1,2,4,5-tetrachloro-                                 |
| U207 | 95-94-3    | 1,2,4,5-Tetrachlorobenzene                                    |
| U208 | 630-20-6   | Ethane, 1,1,1,2-tetrachloro-                                  |
| U208 | 630-20-6   | 1,1,1,2-Tetrachloroethane                                     |
| U209 | 79-34-5    | Ethane, 1,1,2,2-tetrachloro-                                  |
| U209 | 79-34-5    | 1,1,2,2-Tetrachloroethane                                     |
| U210 | 127-18-4   | Ethene, tetrachloro-  |
| U210 | 127-18-4   | Tetrachloroethylene   |
| U211 | 56-23-5    | Carbon tetrachloride  |
| U211 | 56-23-5    | Methane, tetrachloro-   |
| U213 | 109-99-9   | Furan, tetrahydro-(I)   |
| U213 | 109-99-9   | Tetrahydrofuran (I)   |
| U214 | 563-68-8   | Acetic acid, thallium(1+) salt                                |
| U214 | 563-68-8   | Thallium(I) acetate   |
| U215 | 6533-73-9  | Carbonic acid, dithallium(1+) salt                            |
| U215 | 6533-73-9  | Thallium(I) carbonate   |
| U216 | 7791-12-0  | Thallium(I) chloride  |
| U216 | 7791-12-0  | Thallium chloride TlCl  |
| U217 | 10102-45-1 | Nitric acid, thallium(1+) salt                                |
| U217 | 10102-45-1 | Thallium(I) nitrate   |
| U218 | 62-55-5    | Ethanethioamide   |
| U218 | 62-55-5    | Thioacetamide   |
| U219 | 62-56-6    | Thiourea  |
| U220 | 108-88-3   | Benzene, methyl-  |
| U220 | 108-88-3   | Toluene   |
| U221 | 25376-45-8 | Benzenediamine, ar-methyl-                                    |

|      |            |   |
|------|------------|---|
| U221 | 25376-45-8 | Toluenediamine  |
| U222 | 636-21-5   | Benzenamine, 2-methyl-, hydrochloride   |
| U222 | 636-21-5   | o-Toluidine hydrochloride   |
| U223 | 26471-62-5 | Benzene, 1,3-diisocyanatomethyl- (R,T)  |
| U223 | 26471-62-5 | Toluene diisocyanate (R,T)  |
| U225 | 75-25-2    | Bromoform   |
| U225 | 75-25-2    | Methane, tribromo-  |
| U226 | 71-55-6    | Ethane, 1,1,1-trichloro-  |
| U226 | 71-55-6    | Methyl chloroform   |
| U226 | 71-55-6    | 1,1,1-Trichloroethane   |
| U227 | 79-00-5    | Ethane, 1,1,2-trichloro-  |
| U227 | 79-00-5    | 1,1,2-Trichloroethane   |
| U228 | 79-01-6    | Ethene, trichloro-  |
| U228 | 79-01-6    | Trichloroethylene   |
| U234 | 99-35-4    | Benzene, 1,3,5-trinitro-  |
| U234 | 99-35-4    | 1,3,5-Trinitrobenzene (R,T)   |
| U235 | 126-72-7   | 1-Propanol, 2,3-dibromo-, phosphate (3:1)   |
| U235 | 126-72-7   | Tris(2,3-dibromopropyl) phosphate   |
| U236 | 72-57-1    | 2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)bis[5-amino-4-hydroxy]-, tetrasodium salt |
| U236 | 72-57-1    | Trypan blue   |
| U237 | 66-75-1    | 2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl)amino]-   |
| U237 | 66-75-1    | Uracil mustard  |
| U238 | 51-79-6    | Carbamic acid, ethyl ester  |
| U238 | 51-79-6    | Ethyl carbamate (urethane)  |
| U239 | 1330-20-7  | Benzene, dimethyl- (I,T)  |
| U239 | 1330-20-7  | Xylene (I)  |
| U240 | 1 94-75-7  | Acetic acid, (2,4-dichlorophenoxy)-, salts & esters   |

|      |            |   |
|------|------------|---|
| U240 | 1 94-75-7  | 2,4-D, salts & esters   |
| U243 | 1888-71-7  | Hexachloropropene   |
| U243 | 1888-71-7  | 1-Propene, 1,1,2,3,3,3-hexachloro-  |
| U244 | 137-26-8   | Thioperoxydicarbonic diamide [(H <sub>2</sub> N)C(S)] <sub>2</sub> S <sub>2</sub> , tetramethyl-                    |
| U244 | 137-26-8   | Thiram  |
| U246 | 506-68-3   | Cyanogen bromide (CN)Br   |
| U247 | 72-43-5    | Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4- methoxy-  |
| U247 | 72-43-5    | Methoxychlor  |
| U248 | 1 81-81-2  | 2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations of 0.3% or less |
| U248 | 1 81-81-2  | Warfarin, & salts, when present at concentrations of 0.3% or less   |
| U249 | 1314-84-7  | Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations of 10% or less                       |
| U271 | 17804-35-2 | Benomyl   |
| U271 | 17804-35-2 | Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester                                       |
| U278 | 22781-23-3 | Bendiocarb  |
| U278 | 22781-23-3 | 1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate   |
| U279 | 63-25-2    | Carbaryl  |
| U279 | 63-25-2    | 1-Naphthalenol, methylcarbamate   |
| U280 | 101-27-9   | Barban  |
| U280 | 101-27-9   | Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester  |
| U328 | 95-53-4    | Benzenamine, 2-methyl-  |
| U328 | 95-53-4    | o-Toluidine   |
| U353 | 106-49-0   | Benzenamine, 4-methyl-  |
| U353 | 106-49-0   | p-Toluidine   |
| U359 | 110-80-5   | Ethanol, 2-ethoxy-  |
| U359 | 110-80-5   | Ethylene glycol monoethyl ether   |
| U364 | 22961-82-6 | Bendiocarb phenol   |

|          |            |   |
|----------|------------|---|
| U364     | 22961-82-6 | 1,3-Benzodioxol-4-ol, 2,2-dimethyl-,  |
| U367     | 1563-38-8  | 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-   |
| U367     | 1563-38-8  | Carbofuran phenol   |
| U372     | 10605-21-7 | Carbamic acid, 1H-benzimidazol-2-yl, methyl ester                                   |
| U372     | 10605-21-7 | Carbendazim   |
| U373     | 122-42-9   | Carbamic acid, phenyl-, 1-methylethyl ester   |
| U373     | 122-42-9   | Propham   |
| U387     | 52888-80-9 | Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester                               |
| U387     | 52888-80-9 | Prosulfocarb  |
| U389     | 2303-17-5  | Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester       |
| U389     | 2303-17-5  | Triallate   |
| U394     | 30558-43-1 | A2213   |
| U394     | 30558-43-1 | Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester             |
| U395     | 5952-26-1  | Diethylene glycol, dicarbamate  |
| U395     | 5952-26-1  | Ethanol, 2,2'-oxybis-, dicarbamate  |
| U404     | 121-44-8   | Ethanamine, N,N-diethyl-  |
| U404     | 121-44-8   | Triethylamine   |
| U409     | 23564-05-8 | Carbamic acid, [1,2-phenylenebis (iminocarbonothioyl)]bis-, dimethyl ester          |
| U409     | 23564-05-8 | Thiophanate-methyl  |
| U410     | 59669-26-0 | Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester |
| U410     | 59669-26-0 | Thiodicarb  |
| U411     | 114-26-1   | Phenol, 2-(1-methylethoxy)-, methylcarbamate  |
| U411     | 114-26-1   | Propoxur  |
| See F027 | 93-76-5    | Acetic acid, (2,4,5-trichlorophenoxy)-  |
| See F027 | 87-86-5    | Pentachlorophenol   |
| See F027 | 87-86-5    | Phenol, pentachloro-  |

|          |         |   |
|----------|---------|---|
| See F027 | 58-90-2 | Phenol, 2,3,4,6-tetrachloro-                |
| See F027 | 95-95-4 | Phenol, 2,4,5-trichloro-                    |
| See F027 | 88-06-2 | Phenol, 2,4,6-trichloro-                    |
| See F027 | 93-72-1 | Propanoic acid, 2-(2,4,5-trichlorophenoxy)- |
| See F027 | 93-72-1 | Silvex (2,4,5-TP)                           |
| See F027 | 93-76-5 | 2,4,5-T                                     |
| See F027 | 58-90-2 | 2,3,4,6-Tetrachlorophenol                   |
| See F027 | 95-95-4 | 2,4,5-Trichlorophenol                       |
| See F027 | 88-06-2 | 2,4,6-Trichlorophenol                       |

### Hazardous wastes from specific sources (the K-List”)

(a)The following solid wastes are listed hazardous wastes from specific sources unless they are excluded under §§ 260.20 and 260.22 and listed in appendix IX.

| Industry and EPA hazardous waste No. | Hazardous waste  | Hazard code |
|--------------------------------------|--|-------------|
| Wood Preservation:                   |  |             |
| K001                                 | Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol | (T)         |
| Inorganic pigments:                  |  |             |
| K002                                 | Wastewater treatment sludge from the production of chrome yellow and orange pigments   | (T)         |
| K003                                 | Wastewater treatment sludge from the production of molybdate orange pigments   | (T)         |
| K004                                 | Wastewater treatment sludge from the production of zinc yellow pigments  | (T)         |
| K005                                 | Wastewater treatment sludge from the production of chrome green pigments   | (T)         |
| K006                                 | Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated)                            | (T)         |
| K007                                 | Wastewater treatment sludge from the production of iron blue pigments  | (T)         |
| K008                                 | Oven residue from the production of chrome oxide green pigments  | (T)         |
| Organic chemicals:                   |  |             |
| K009                                 | Distillation bottoms from the production of acetaldehyde from ethylene   | (T)         |
| K010                                 | Distillation side cuts from the production of acetaldehyde from ethylene   | (T)         |
| K011                                 | Bottom stream from the wastewater stripper in the production of acrylonitrile  | (R, T)      |
| K013                                 | Bottom stream from the acetonitrile column in the production of acrylonitrile  | (R, T)      |
| K014                                 | Bottoms from the acetonitrile purification column in the production of acrylonitrile   | (T)         |

|      |  |        |
|------|--|--------|
| K015 | Still bottoms from the distillation of benzyl chloride   | (T)    |
| K016 | Heavy ends or distillation residues from the production of carbon tetrachloride                      | (T)    |
| K017 | Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin         | (T)    |
| K018 | Heavy ends from the fractionation column in ethyl chloride production                                | (T)    |
| K019 | Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production            | (T)    |
| K020 | Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production              | (T)    |
| K021 | Aqueous spent antimony catalyst waste from fluoromethanes production                                 | (T)    |
| K022 | Distillation bottom tars from the production of phenol/acetone from cumene                           | (T)    |
| K023 | Distillation light ends from the production of phthalic anhydride from naphthalene                   | (T)    |
| K024 | Distillation bottoms from the production of phthalic anhydride from naphthalene                      | (T)    |
| K025 | Distillation bottoms from the production of nitrobenzene by the nitration of benzene                 | (T)    |
| K026 | Stripping still tails from the production of methy ethyl pyridines                                   | (T)    |
| K027 | Centrifuge and distillation residues from toluene diisocyanate production                            | (R, T) |
| K028 | Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane          | (T)    |
| K029 | Waste from the product steam stripper in the production of 1,1,1-trichloroethane                     | (T)    |
| K030 | Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene | (T)    |
| K083 | Distillation bottoms from aniline production   | (T)    |
| K085 | Distillation or fractionation column bottoms from the production of chlorobenzenes                   | (T)    |



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| K093 | Distillation light ends from the production of phthalic anhydride from ortho-xylene   | (T)   |
| K094 | Distillation bottoms from the production of phthalic anhydride from ortho-xylene  | (T)   |
| K095 | Distillation bottoms from the production of 1,1,1-trichloroethane   | (T)   |
| K096 | Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane  | (T)   |
| K103 | Process residues from aniline extraction from the production of aniline   | (T)   |
| K104 | Combined wastewater streams generated from nitrobenzene/aniline production  | (T)   |
| K105 | Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes  | (T)   |
| K107 | Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazines  | (C,T) |
| K108 | Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides | (I,T) |
| K109 | Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides                                   | (T)   |
| K110 | Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides                             | (T)   |
| K111 | Product washwaters from the production of dinitrotoluene via nitration of toluene   | (C,T) |
| K112 | Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene  | (T)   |
| K113 | Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene                             | (T)   |

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| K114 | Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene   | (T) |
| K115 | Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene   | (T) |
| K116 | Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine   | (T) |
| K117 | Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene  | (T) |
| K118 | Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene   | (T) |
| K136 | Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene  | (T) |
| K149 | Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups, (This waste does not include still bottoms from the distillation of benzyl chloride.)                          | (T) |
| K150 | Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups | (T) |
| K151 | Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups         | (T) |
| K156 | Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)                           | (T) |

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| K157 | Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)   | (T)   |
| K158 | Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)   | (T)   |
| K159 | Organics from the treatment of thiocarbamate wastes  | (T)   |
| K161 | Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust and floor sweepings from the production of dithiocarbamate acids and their salts. (This listing does not include K125 or K126.)   | (R,T) |
| K174 | Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (including sludges that result from commingled ethylene dichloride or vinyl chloride monomer wastewater and other wastewater), unless the sludges meet the following conditions: (i) they are disposed of in a subtitle C or non-hazardous landfill licensed or permitted by the state or federal government; (ii) they are not otherwise placed on the land prior to final disposal; and (iii) the generator maintains documentation demonstrating that the waste was either disposed of in an on-site landfill or consigned to a transporter or disposal facility that provided a written commitment to dispose of the waste in an off-site landfill. Respondents in any action brought to enforce the requirements of subtitle C must, upon a showing by the government that the respondent managed wastewater treatment sludges from the production of vinyl chloride monomer or ethylene dichloride, demonstrate that they meet the terms of the exclusion set forth above. In doing so, they must provide appropriate documentation (e.g., contracts between the generator and the landfill owner/operator, invoices documenting delivery of waste to landfill, etc.) that the terms of the exclusion were met | (T)   |
| K175 | Wastewater treatment sludges from the production of vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process  | (T)   |

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| K181                 | Nonwastewaters from the production of dyes and/or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes) that, at the point of generation, contain mass loadings of any of the constituents identified in paragraph (c) of this section that are equal to or greater than the corresponding paragraph (c) levels, as determined on a calendar year basis. These wastes will not be hazardous if the nonwastewaters are: (i) disposed in a Subtitle D landfill unit subject to the design criteria in § 258.40, (ii) disposed in a Subtitle C landfill unit subject to either § 264.301 or § 265.301, (iii) disposed in other Subtitle D landfill units that meet the design criteria in § 258.40, § 264.301, or § 265.301, or (iv) treated in a combustion unit that is permitted under Subtitle C, or an onsite combustion unit that is permitted under the Clean Air Act. For the purposes of this listing, dyes and/or pigments production is defined in paragraph (b)(1) of this section. Paragraph (d) of this section describes the process for demonstrating that a facility's nonwastewaters are not K181. This listing does not apply to wastes that are otherwise identified as hazardous under §§ 261.21-261.24 and 261.31-261.33 at the point of generation. Also, the listing does not apply to wastes generated before any annual mass loading limit is met | (T) |
| Inorganic chemicals: |   |     |
| K071                 | Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used  | (T) |
| K073                 | Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production   | (T) |
| K106                 | Wastewater treatment sludge from the mercury cell process in chlorine production  | (T) |
| K176                 | Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g., antimony metal or crude antimony oxide)   | (E) |
| K177                 | Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g., antimony metal or crude antimony oxide)  | (T) |
| K178                 | Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process   | (T) |
| Pesticides:          |   |     |
| K031                 | By-product salts generated in the production of MSMA and cacodylic acid   | (T) |
| K032                 | Wastewater treatment sludge from the production of chlordane  | (T) |

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| K033 | Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane   | (T)    |
| K034 | Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane  | (T)    |
| K035 | Wastewater treatment sludges generated in the production of creosote   | (T)    |
| K036 | Still bottoms from toluene reclamation distillation in the production of disulfoton  | (T)    |
| K037 | Wastewater treatment sludges from the production of disulfoton   | (T)    |
| K038 | Wastewater from the washing and stripping of phorate production  | (T)    |
| K039 | Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate  | (T)    |
| K040 | Wastewater treatment sludge from the production of phorate   | (T)    |
| K041 | Wastewater treatment sludge from the production of toxaphene   | (T)    |
| K042 | Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T   | (T)    |
| K043 | 2,6-Dichlorophenol waste from the production of 2,4-D  | (T)    |
| K097 | Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane  | (T)    |
| K098 | Untreated process wastewater from the production of toxaphene  | (T)    |
| K099 | Untreated wastewater from the production of 2,4-D  | (T)    |
| K123 | Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salt                  | (T)    |
| K124 | Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts  | (C, T) |
| K125 | Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts                                   | (T)    |
| K126 | Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts | (T)    |
| K131 | Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide  | (C, T) |
| K132 | Spent absorbent and wastewater separator solids from the production of methyl bromide  | (T)    |

| Explosives:         |   |       |
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| K044                | Wastewater treatment sludges from the manufacturing and processing of explosives  | (R)   |
| K045                | Spent carbon from the treatment of wastewater containing explosives   | (R)   |
| K046                | Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds   | (T)   |
| K047                | Pink/red water from TNT operations  | (R)   |
| Petroleum refining: |   |       |
| K048                | Dissolved air flotation (DAF) float from the petroleum refining industry  | (T)   |
| K049                | Slop oil emulsion solids from the petroleum refining industry   | (T)   |
| K050                | Heat exchanger bundle cleaning sludge from the petroleum refining industry  | (T)   |
| K051                | API separator sludge from the petroleum refining industry   | (T)   |
| K052                | Tank bottoms (leaded) from the petroleum refining industry  | (T)   |
| K169                | Crude oil storage tank sediment from petroleum refining operations  | (T)   |
| K170                | Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations   | (T)   |
| K171                | Spent Hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media) | (I,T) |
| K172                | Spent Hydrorefining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (this listing does not include inert support media) | (I,T) |
| Iron and steel:     |   |       |
| K061                | Emission control dust/sludge from the primary production of steel in electric furnaces  | (T)   |
| K062                | Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332)  | (C,T) |
| Primary aluminum:   |   |       |
| K088                | Spent potliners from primary aluminum reduction   | (T)   |

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| Secondary lead:             |   |     |
| K069                        | Emission control dust/sludge from secondary lead smelting. <b>(Note: This listing is stayed administratively for sludge generated from secondary acid scrubber systems. The stay will remain in effect until further administrative action is taken. If EPA takes further action effecting this stay, EPA will publish a notice of the action in the <b>Federal Register</b>)</b> | (T) |
| K100                        | Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting   | (T) |
| Veterinary pharmaceuticals: |   |     |
| K084                        | Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds   | (T) |
| K101                        | Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds   | (T) |
| K102                        | Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds  | (T) |
| Ink formulation:            |   |     |
| K086                        | Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead  | (T) |
| Coking:                     |   |     |
| K060                        | Ammonia still lime sludge from coking operations  | (T) |
| K087                        | Decanter tank tar sludge from coking operations   | (T) |
| K141                        | Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations)   | (T) |
| K142                        | Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal   | (T) |
| K143                        | Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal  | (T) |

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| K144 | Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal | (T) |
| K145 | Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal  | (T) |
| K147 | Tar storage tank residues from coal tar refining   | (T) |
| K148 | Residues from coal tar distillation, including but not limited to, still bottoms   | (T) |