



Middlebury

Middlebury College
Laboratory Management Plan
in accordance with 40 CFR 262 Subpart K

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Jeffrey W. Cason

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2

Approved by

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Table of Contents

Introduction.....	1
Part I (40 CFR 262.214(a)(1)-(2)).....	2
Part II (40 CFR 262.214(b)(1)-(7)).....	2
Laboratory Management Plan: Part I.....	3
Laboratory Management Plan: Part II.....	3
A. Container Labeling and Management (40 CFR 262.206).....	3
B. Training (40 CFR 262.207).....	4
C. Removal of Chemical Waste (40 CFR 262.208(a), (d) and VHWMR §7-109(b)(4)(C)).....	4
D. Hazardous Waste Determinations (40 CFR 262.211, 40 CFR 262.209- 212).....	6
E. Laboratory Cleanouts (40 CFR 262.213(a)).....	6
F. Emergency Prevention (40 CFR 262.214(7)).....	7
G. Noncompliance and Corrective Action requirements (VHWMR §7-109(4)(C)(i)).....	8

Attachments

- Attachment A: Chemical Waste Tag
- Attachment B: List of EPA Acutely Hazardous Wastes from 40 CFR Part 261.31(a) and Part 261.33

Introduction

In April 2015 Middlebury College notified the Vermont Department of Environmental Conservation (VTDEC) that Middlebury College planned to opt into the provisions of *40 CFR 262 Subpart K, Alternative Requirements for Hazardous Waste Determination and Accumulation of Unwanted Material for Laboratories Owned by Eligible Academic Entities*. Subpart K provides standards for managing hazardous waste in academic laboratories at eligible academic entities as an alternative to the satellite accumulation area generator regulations. A Laboratory Management Plan is required per 40 CFR 262.214 and §VHWMR 7-109(b)(4). This document provides the Laboratory Management Plan (LMP) for Middlebury College.

The Plan will be made available to all laboratory workers, students, faculty and staff members at Middlebury. The Plan will be reviewed annually in conjunction with review of Middlebury College's Chemical Hygiene Plan and revised as necessary. Middlebury's Chemical Hygiene Plan defines the roles and responsibilities for those engaged in laboratory activities.

The Sciences Technical Support Services (STSS) and Environmental, Health & Safety (EH&S) Departments maintain the Laboratory Management Plan and will be the parties responsible for revisions to the Plan when needed.

The following table defines the areas Middlebury will and will not manage under the provisions of Subpart K).

What IS a laboratory under Subpart K?	YES	NO
Teaching and research labs	√	
Art studios	√	
Photo labs	√	
Field labs	√	
Areas that support labs (e.g. chemical stockrooms, prep rooms)	√	
Chemical stockrooms that do not support labs		√
Vehicle maintenance areas		√
Custodial storage rooms		√
Machine shops		√
Print shops		√
Purchasing storage and excess		√
Service and Stores trade shops		√
Commercial photo processing		√
Power plants – Heat/Cooling		√
Dining establishments		√
Sport/Recreational Facilities		√

The Laboratory Management Plan consists of two (2) parts.

Part I (40 CFR 262.214(a)(1)-(2))

Part I of the Plan must address two elements:

- 1) Procedures for labeling containers in the laboratories, and the terminology used to identify “unwanted materials” as well as how the information associated with the container will be imparted to the experienced personnel who will transfer the container from the laboratory to the designated storage location (40 CFR 262.206(a)).
- 2) A description of the frequency with which Middlebury College personnel will remove unwanted materials from the laboratories (40 CFR 262.208(a)).

Part II (40 CFR 262.214(b)(1)-(7))

Part II of the Plan must address seven elements and describe the best management practices Middlebury will utilize to ensure safe management of chemical wastes. Intended best management practices must be included for the following topics:

1. Container labeling and management (40 CFR 262.206);
2. Training for laboratory workers and students (40 CFR 262.207(a));
3. Training for safe on-site transfers of unwanted material and hazardous waste by trained professionals (40 CFR 262.207(d)(1));
4. Removal of unwanted materials from the laboratories (40 CFR 262.208(a)(1)- (2), 40 CFR 262.208(d));
5. Making hazardous waste determinations (40 CFR 262.11, 40 CFR 262.209- 212));
6. Laboratory cleanouts (40 CFR 262.123(a)(1)-(4)), and;
7. Emergency prevention.

Part II of the Plan must also include procedures required in the Vermont Hazardous Waste Management Regulations (VHWMR), effective December 2016, specifically:

1. Inspections of laboratories covered by the Lab Management Plan to assess conformance with Plan requirements (VHWMR §7-109(4)(C)(i)), and;
2. Identification of Lab Management Plan noncompliance and corrective actions (VHWMR §7-109(4)(C)(i)).

Laboratory Management Plan: Part I

Middlebury College has created a Chemical Waste Tag (40 CFR 262.206(a)) for use in all Middlebury College laboratories (See Attachment A). This tag is used to label unwanted laboratory materials; which Middlebury College will refer to as *Chemical Waste*. Chemical waste includes materials that are regulated as hazardous waste and materials that will not be regulated as a hazardous waste. Middlebury does not manage biological and radioactive materials as Chemical Waste.

Upon generating chemical waste and placing it into a waste container, laboratory personnel shall:

- Affix or attach a Chemical Waste Tag to the container. (See Attachment A for a sample Chemical Waste Tag). The following information must be entered on the waste tag:
 - The name and phone number of the person responsible for the material.
 - The building and room number where the material is stored.
 - A description of the type of waste to be placed in the container.
 - The date that waste is first placed into the container.
- List all of the chemical constituents on the chemical waste tag as the waste is added to the container. If practicable, an estimate of the proportion of each constituent as a percentage by volume or weight should also be included, particularly if constituents exceed 5% by volume or weight.
- Notify the Laboratory Stores Manager or Chemical Hygiene Officer whenever any chemical waste container is full and ready for pickup. The Laboratory Stores Manager, Chemical Hygiene Officer, or their designee will also collect waste containers at regular, predetermined intervals, not to exceed six months, without regard to the remaining capacity of the container.

Laboratory Management Plan: Part II

Part II of the Plan describes the intended best practices Middlebury College will utilize to ensure safe management of chemical wastes.

A. Container Labeling and Management (40 CFR 262.206)

Chemical waste containers will be labeled and contents will be inventoried using Chemical Waste Tags as described in Part I of this Plan (sample tags are included in Appendix A). Waste tags are available from Laboratory Stores.

Chemical waste containers are available from Laboratory Stores. Consult with the Laboratory Stores Manager or Chemical Hygiene Officer to ensure that chemical waste containers are compatible with the range of chemicals stored. High density polyethylene containers are generally suitable and available for liquid chemical waste storage. Incompatible chemicals should not be placed into the same waste container, and dissimilar waste types should not be mixed (i.e., metals with flammables).

Containers of liquid chemical waste should be stored within secondary containers in the event of a leak or spill. Chemical waste containers must be kept closed and opened only when waste is to be added.

As Principal Investigators, faculty have primary responsibility for chemical hygiene and proper disposal of chemical waste in their teaching and research laboratories. For the purposes of this Plan, faculty are considered to be the Laboratory Supervisor responsible for the staff and students working in their laboratories. Laboratory Supervisors will instruct lab personnel in proper waste handling and labeling requirements, including separation of incompatible chemicals.

The Laboratory Stores Manager, Chemical Hygiene Officer, or designee will collect chemical waste containers from laboratories and transport them to the central hazardous waste storage area in McCardell Bicentennial Hall. **Chemical waste containers shall not be brought directly to the Laboratory Stores by faculty, staff, or students.**

B. Training (40 CFR 262.207)

Laboratory personnel, including faculty, staff, and student teaching and research assistants are required to complete Laboratory Safety and Chemical Hygiene training prior to receiving key access to laboratories. This one-hour classroom training is provided by Middlebury's EH&S Coordinator and Middlebury's Chemical Hygiene Officer, and covers chemical hygiene and waste management procedures. Training records are maintained by Sciences Technical Support Services staff.

Students enrolled in laboratory classes receive training both as part of their laboratory course work and by direct oversight by faculty, staff or teaching assistants.

Middlebury personnel transferring chemical waste from laboratories to the central storage area and making hazardous waste determinations will have direct experience in identifying and managing hazardous waste and be trained in accordance with the requirements of 40 CFR 262.34(a) and 265.16 and VHWMR 7-307(c)(14)(C). Middlebury's Laboratory Stores Manager and Chemical Hygiene Officer are qualified to transfer chemical waste from laboratories and make hazardous waste determinations; qualified outside contractors are also utilized when necessary to perform these tasks.

It is the responsibility of the Director of Sciences Support Services and the Chemical Hygiene Officer to ensure that only qualified personnel are involved in transferring chemical waste from laboratories to the central storage area and in making hazardous waste determinations.

C. Removal of Chemical Waste (40 CFR 262.208(a), (d) and VHWMR §7-109(b)(4)(C))

Chemical waste containers, regardless of the remaining capacity of the container, must be removed for disposal within required timeframes, or based on total quantities accumulated in a particular laboratory.

Time Limit (180 Days): Chemical waste containers must be removed within 6 months from the container's accumulation start date.

Quantity Limits: Regardless of the 180-day limit for the accumulation of Chemical Waste in a particular laboratory, if either of the following total waste quantity limits are exceeded, the wastes must be removed as follows:

- **55-Gallon Maximum:** If a particular laboratory, studio, or support area accumulates a total volume of unwanted material in excess of 55 gallons, all containers of unwanted material in the laboratory, studio, or support area will be removed within 10 calendar days of the date that 55 gallons was exceeded.
- **P-Listed Waste Maximum – 1 Quart:** If a laboratory accumulates more than 1 quart of any of the following six (6) P-listed reactive acutely hazardous lab wastes: All containers of reactive acutely hazardous unwanted material must be removed from the laboratory within 10 calendar days of the date that 1 quart was exceeded.

To ensure compliance with this requirement, the six P-listed reactive acutely hazardous materials are:

- *P006 – Aluminum phosphide*
- *P009 – Ammonium picrate*
- *P065 – Mercury fulminate*
- *P081 - Nitroglycerine*
- *P112 - Tetranitromethane*
- *P122 – Zinc phosphide (> 10%)*

When a chemical waste container is full and ready for pickup, or meets any of the time or quantity limits listed above, the Laboratory Supervisor shall notify the Chemical Hygiene Officer or Laboratory Stores Manager and arrange for removal of the waste. Waste containers are typically collected within 72 hours of notification.

The Laboratory Stores Manager or Chemical Hygiene Officer will conduct laboratory waste inspections three (3) times annually to ensure the lab's conformance with the requirements of this Laboratory Management Plan. Chemical Waste inspections are generally performed in January, May, and September. If waste containers are observed to be approaching or exceeding any of the time or quantity limits listed above, the Laboratory Stores Manager or Chemical Hygiene Officer will notify the Laboratory Supervisor and make arrangements for removal of the waste.

Laboratory personnel, as directed by the Laboratory Supervisor, shall:

- Ensure that chemical waste containers have a chemical waste tag, and that it is completed correctly and fully;
- Notify the Chemical Hygiene Officer or Laboratory Stores Manager when a container is full and ready for pickup;
- Notify the Chemical Hygiene Officer or Laboratory Stores Manager if total accumulated chemical waste exceeds 30 gallons;
- Notify the Chemical Hygiene Officer or Laboratory Stores Manager whenever a total of one kilogram of acute hazardous waste (as listed in 40 CFR 261.33(e) or Appendix IV of the Vermont Hazardous Waste Management Regulations) has accumulated. A listing of these chemicals is included in Attachment B.

- Notify the Chemical Hygiene Officer or Laboratory Stores Manager whenever a total of one quart of reactive acutely hazardous unwanted materials as defined in 40 CFR.262.208(d)(2) has accumulated.

The Chemical Hygiene Officer or Laboratory Stores Manager will:

- Provide chemically compatible waste storage containers;
- Train laboratory workers on completing the Chemical Waste Tags;
- Pick up containers of chemical waste following notification from laboratory personnel (includes full containers and containers that have reached 6 months from the accumulation start date, regardless of volume);
- If a laboratory has exceeded 30 gallons of chemical waste, ensure the material will be collected within 10 calendar days following notification from laboratory personnel;
- If a laboratory has exceeded 1 quart of any reactive acutely hazardous chemical or one kilogram of acute hazardous waste, ensure the material will be collected within 10 calendar days following notification from laboratory personnel; and
- Provide trained personnel to transfer the chemical waste to the central waste storage location and make hazardous waste determinations.

D. Hazardous Waste Determinations (40 CFR 262.211, 40 CFR 262.209- 212)

The Chemical Hygiene Officer, Laboratory Stores Manager, or their designee determines whether the chemical waste meets the definition of hazardous waste. The determination will be made within 4 days of the material being transferred to the central hazardous waste storage area. If the chemical waste is hazardous waste, the words “hazardous waste” will be included on the container label.

Qualified personnel may transfer the chemical waste contents to a larger container (55-gallon drum) prior to shipping off site for treatment and/or disposal. All containers of waste to be shipped off-site will be labelled in accordance with Department of Transportation regulations. All hazardous waste shipments will include a hazardous waste manifest, and required certifications.

E. Laboratory Cleanouts (40 CFR 262.213(a))

Laboratory clean-out means an evaluation of the inventory of chemicals and other materials in a laboratory that are no longer needed or that have expired, and the subsequent removal of those chemicals or other unwanted materials from the laboratory. A clean-out may occur for several reasons. It may be on a routine basis (e.g., at the end of a semester or academic year) or as a result of a renovation, relocation, or change in laboratory supervisor/occupant. A regularly scheduled removal of chemical waste as required by §262.208 does not qualify as a laboratory clean-out.

One time per 12-month rolling period, each laboratory may conduct a cleanout following these steps.

- The eligible laboratory will contact the Chemical Hygiene Officer or Laboratory Stores Manager to schedule the cleanout.

- The laboratory cleanout is limited to unused commercial chemical products still in their original packaging.
- The laboratory cleanout will be scheduled to ensure proper lab pack containers are available and that materials are properly packed.
- The Laboratory Supervisor will provide documentation that will include the room number, beginning and ending dates for cleanout, and a list of materials removed from the lab. The material list will include the chemical name (and concentration, if applicable) and the quantity.
- If the volume collected exceeds 55 gallons, or 1 quart of reactive acutely hazardous materials, the laboratory cleanout must be completed within 30 calendar days from the start of the laboratory cleanout. Reactive acutely hazardous unwanted material means an unwanted material that is one of the six acutely hazardous commercial chemical products listed in 261.33 for reactivity.
- Chemical waste collected during a laboratory cleanout will be transferred to the central waste storage area for final packaging and shipped off site.

If a laboratory has generated chemical waste (as described in Section C) prior to the laboratory cleanout, that material will be tracked separately and counted toward the hazardous waste generator status.

If a laboratory conducts more than one cleanout during a 12-month period, the waste generated will count towards the hazardous waste generator status and all waste must be removed within 10 days of exceeding a total of 55 gallons (or 1 quart of reactive acutely hazardous material).

F. Emergency Prevention (40 CFR 262.214(7))

Middlebury College procedures and practices are designed with safety as top priority. Emergency protocols have been developed and an emergency response training program is provided to all faculty, staff and students to ensure proper response in the event of an emergency. Emergency procedures are posted in laboratories.

A variety of chemicals are used in Middlebury College laboratories. Some of these chemicals may be susceptible to degradation over time and may be unstable under certain conditions. Chemicals may react alone or with other chemicals liberating heat, toxic gases, or explosive conditions. Organic peroxides are sensitive to light, heat, and shock and are all highly flammable. Peroxide formers can form peroxide, especially after exposure to air. All dangerous or potentially dangerous chemicals are handled with extreme caution, and under the direction of chemistry faculty or qualified contractors. Chemicals suspected of having formed peroxides, or suspected of being unstable, are left in place in the laboratory and arrangements are made for trained personnel or contractors to remove any potentially dangerous chemical from the lab.

Discovery of unknown or unlabeled chemicals in a laboratory needing disposal will be communicated to the Chemical Hygiene Officer or Laboratory Stores Manager. The Chemical Hygiene Officer or Laboratory Stores Manager is responsible for contracting for the proper packaging and disposal of unlabeled chemicals.

G. Noncompliance and Corrective Action requirements (VHWMR §7-109(4)(C)(i))

Middlebury's EH&S Coordinator and/or Chemical Hygiene Officer perform regularly scheduled laboratory compliance audits with Laboratory Supervisors. Issues of noncompliance are immediately addressed with the Laboratory Supervisor, and a schedule is established to correct any observed deficiencies.

Laboratory waste inspections are conducted at least three (3) times annually to ensure that chemical waste containers are being managed and labelled appropriately, and that chemical waste containers are collected within 6 months of the start of waste accumulation. Laboratory waste inspections are generally scheduled in January, May, and September, and are performed by the Chemical Hygiene Officer or Laboratory Stores Manager. Waste inspection results are maintained by the Chemical Hygiene Officer.

If waste compliance issues are observed during regularly scheduled waste inspections, Middlebury College expects Laboratory Supervisors to promptly correct compliance issues. Every effort is made at this juncture to quickly resolve the issue with the Laboratory Supervisor. Direct observation of compliance by the Chemical Hygiene Officer will ensure the compliance issue has been addressed. Chemical waste compliance issues that are not addressed in a timely manner, generally within two weeks, will be reported to the Laboratory Supervisor's Department Chair and the EH&S Coordinator.

If corrective actions remain unresolved after 30 days, or if repeat violations of chemical waste management procedures are observed in a laboratory, the Director of Sciences and the Dean of Faculty will be notified and together with the Chemical Hygiene Officer and EH&S Coordinator, determine an appropriate timeline for implementing corrective action. If violations remain unresolved, Middlebury's Office for Risk and Compliance will be notified and disciplinary action may be taken.

ATTACHMENT A
SAMPLE CHEMICAL WASTE TAG



Middlebury

Chemical Waste Tag

Middlebury College

276 Bicentennial Way, Middlebury, VT 05753

Principal Investigator/Lab Supervisor		Phone
Building/Room		Date waste first placed in container
Generator description: of waste		
Waste Type(s) <input type="checkbox"/> Flammable Liquid <input type="checkbox"/> Flammable Solid <input type="checkbox"/> Toxic <input type="checkbox"/> Corrosive - Acid <input type="checkbox"/> Corrosive - Alkali <input type="checkbox"/> Reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Halogenated Solvent <input type="checkbox"/> Other:		Chemical Name/ % Volume or Weight

DO NOT MIX INCOMPATIBLE MATERIALS

CONTAINER ID: 00000

WHEN CONTAINER IS FULL OR WITHIN 6 MONTHS OF DATE WASTE IS FIRST ADDED

CALL X5619 OR EMAIL MBHSTOCKROOM@MIDDLEBURY.EDU FOR PICKUP.

ATTACHMENT B

EPA List of Acutely Hazardous Waste 40 CFR Part 261.31(a) and Part 261.33

EPA List of Acutely Hazardous Waste

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.

Acutely hazardous wastes from 40 CFR §261.33 and their corresponding EPA Hazardous Waste Numbers are:

Waste Code	Chemical Abstracts No	Substance
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 ₃ AsO ₄
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	181-81-2	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

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
P021	592-01-8	Calcium cyanide Ca(CN) ₂
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)
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)-
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)-
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-, (1alpha,2beta,2alpha,3beta,6beta,6alpha,7beta, 7alpha)-
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-, (1alpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta, 7alpha)-, & 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

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
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
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	Formetanate 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	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(dimethylcarbamo-dithioato-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-
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.

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
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) ₄ , (T-4)-
P074	557-19-7	Nickel cyanide
P074	557-19-7	Nickel cyanide Ni(CN) ₂
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
P078	10102-44-0	Nitrogen oxide NO ₂
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 ₄ , (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

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
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
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
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-	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

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
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
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 $V_2 O_5$
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 $Zn(CN)_2$
P122	1314-84-7	Zinc phosphide $Zn_3 P_2$, when present at concentrations greater than 10% (R,T)
P205	137-30-4	Ziram.
P001	181-81-2	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentration greater than 0.3%
P001	181-81-2	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)-
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)-

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
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
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-

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
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,2alpha,3beta,6beta,6alpha,7beta, 7aalpha)-
P038	692-42-2	Arsine, diethyl-
P038	692-42-2	Diethylarsine
P039	298-04-4	Disulfoton
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 ₂ N)C(S)] ₂ 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,2beta,3alpha,6alpha,6beta,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

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
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-
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) ₄ , (T-4)-
P074	557-19-7	Nickel cyanide
P074	557-19-7	Nicke cyanide Ni(CN) ₂
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 ₂
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-
P085	152-16-9	Diphosphoramidate, octamethyl-

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
P085	152-16-9	Octamethylpyrophosphoramidate
P087	20816-12-0	Osmium oxide OsO ₄ , (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
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

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
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
P120	1314-62-1	Vanadium oxide V_2O_5
P120	1314-62-1	Vanadium pentoxide
P121	557-21-1	Zinc cyanide
P121	557-21-1	Zinc cyanide $Zn(CN)_2$
P122	1314-84-7	Zinc phosphide $Zn_3 P_2$, 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
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(dimethylcarbamodithioato-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

EPA List of Acutely Hazardous Waste

Waste Code	Chemical Abstracts No	Substance
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(dimethylcarbomodithioato-S,S'')-,
P205	137-30-4	Ziram

Toxic hazardous wastes from non- specific sources listed in 40 CFR §261.31(a)

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

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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-trichloro- ethane; 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)

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

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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)