

Chemical Waste Disposal Manual

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I. Allocation of Responsibilities

The management of hazardous chemical waste at the University of Connecticut consists of the coordination and collection of the waste generated in laboratories and other campus facilities. To effectively manage this large program, it is necessary to use the services and technical expertise of the University's Department of Environmental Health and Safety, faculty, and staff members. This part briefly describes the function and responsibility of each group and its relation to hazardous chemical waste management.

a. The President

The President of the University is ultimately responsible for all health and safetyrelated matters. The President oversees the administration of safety policies through the normal chain of authority within the institution, delegating to the Provost, Deans, Department Heads, Principal Investigators and Supervisors the responsibility for ensuring safe work practices of those under their supervision and adherence to established policies and guidelines.

b. Department of Environmental Health and Safety

The Department of Environmental Health and Safety is responsible for surveillance of all laboratory activities involving the use of chemical agents and all additional chemical problem areas within the confines of the University. Specific duties of the Department include:

- 1. Implementation of policies established by the University.
- 2. Design and implementation of disposal procedures for chemical waste materials.
- 3. Preparation, submission, and maintenance of records, reports, and manifests as required by government regulations.
- 4. Preparation of applications for state and federal permits to properly generate and dispose of hazardous chemical waste.
- 5. Assuring that University policies and guidelines regarding the proper disposal of hazardous chemical waste are followed.

c. Principal Investigator, Classroom Instructor, or Supervisor

The principal investigator, classroom instructor, or supervisor has the primary responsibility for assuring that the policies and guidelines or directives established herein are followed by <u>all</u> personnel, including other researchers, under their supervision.



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d. The Laboratory Worker and Other Individuals

The success of the hazardous chemical waste management program at the University is very dependent of the conscientious efforts of the individual laboratory worker and staff employee. Since the laboratory worker frequently handles hazardous chemicals, it is absolutely essential that he or she follow implicitly the advice, policies and procedures of the Department of Environmental Health and Safety. The individual staff member is expected to:

- 1. Dispose of all chemical wastes in accordance with established procedures set forth in this disposal manual.
- 2. Make a concerted effort to identify all unknown, or surplus chemicals, utilizing the technical knowledge of faculty members or the Dept. of Environmental Health and Safety.
- 3. Package and label surplus and waste chemicals in accordance with established procedures set forth in this disposal manual.
- 4. Seek the advice, when necessary, of the Department of Environment al Health and Safety concerning the proper handling and disposal of hazardous chemicals.

II. Characterization of Laboratory Wastes

Chemical waste may be regulated by several different State and Federal regulations. As a general rule containerize all laboratory chemical wastes, label as Hazardous Waste and follow the Chemical Waste Disposal Guidelines for disposal.

Waste generated in a laboratory may be regulated as a Hazardous Waste, TSCA Regulated Waste or a Universal Waste as defined by the US EPA or even a State Regulated Waste as defined by the CT DEP. Regardless of who regulates the waste these materials should be properly managed in the laboratory and disposed of through the UConn EHS Department. EHS typically collects chemical waste on Mondays, Wednesdays & Fridays every week. Pickup requests can be made online at <u>www.ehs.uconn.edu</u> If you need to determine how or if your waste is regulated contact the EHS office or use the "What Is A Hazardous Waste" guide.

When a chemical is no longer wanted and meets the EPA's definition of either a "listed" waste or a "characteristic waste" it then becomes a "hazardous waste" and thus MUST be labeled with the words "Hazardous Waste" as well as words describing the content (i.e. chemical names). Assume that all laboratory chemicals are regulated and should be disposed of through EHS unless specifically instructed otherwise by the EHS Department.



a. Chemicals with Unknown Identity

Faculty and staff must make every effort to provide an accurate description of all unknown chemicals. Unidentified chemicals present serious problems for the University. Without a description, chemicals can neither be handled nor disposed of in a safe manner. Disposal companies will not accept chemical waste without an analysis.

The Department of Environmental Health & Safety offers assistance in investigating the identity of unknown chemicals; however, any information provided by individuals wishing to dispose of unknowns will greatly aid investigation and identification. Whether or not a chemical is organic or inorganic is an example of information which is very useful to the Department of Environmental Health & Safety.

Please call the Department of Environmental Health & Safety upon discovery of an unknown chemical. The problem presented by unknown chemicals can be reduced if lab personnel are thorough in maintaining labels on chemical containers. Periodic review of chemical stock, and careful recordkeeping will lessen the chance of discovering containers with missing labels.

b. Drain Disposal to the Sanitary Sewer System

The following solutions are the allowable discharges to laboratory sinks. Discharges are limited to one liter per day of concentrations less than or equal to one molar:

- Inorganic solutions with pH between 5.0 and 10.0
- Soaps and detergents (Non-Corrossive)
- Mercury-free Bleach/WescodyneTM /Cidex OPATM/Quatricide[®]/Cetylcide II solutions
- Used scintillation fluid designated for drain disposal by UConn's Radiation Safety Officer
- Non-contaminated growth media
- Purified biological materials such as amino acids and proteins in aqueous buffer solutions
- Sugars and sugar alcohols (polyols) such as glycerol, xylitol and sorbitol.
- Buffer solutions
- Spent photographic developer (NON FIXER)
- Inorganic salts for which both the cations and anions are listed in the following table:



CATIONS	ANIONS
Aluminum, Al ³⁺	Borate, BO_3^{3-} , $B_4O_7^{2-}$
Ammonium, NH4 ⁺	Bromide, Br-
Calcium, Ca ²⁺	Carbonate, CO_3^{2-}
Cesium, Cs⁺	Chloride, Cl ⁻
Iron, Fe⁺	Bicarbonate, HCO ₃ -
Lithium, Li⁺	Bisulfate, HSO ₄ , Bisulfite, HSO ₃
Magnesium, Mg ²⁺	Fluoride, F
Manganese, Mn ²⁺ , Mn ³⁺ , Mn ⁴⁺ , Mn ⁷⁺	Hydroxide, OH ⁻
Potassium, K⁺	lodide, l ⁻
Sodium, Na⁺	Nitrate, NO_3^- , Nitrite, NO_2^-
Strontium, Sr ²⁺	Oxide, O ²⁻
Tin, Sn ²⁺	Phosphate, PO ₄ ³⁺
Titanium, Ti ³⁺ , Ti ⁴⁺	Sulfate, SO ₄ ²⁻ , Sulfite, SO ₃ ²⁻
Zirconium, Zr ²⁺	Thiosulfate, $S_2O_3^{2-}$

Solutions containing any amounts of Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver, Copper, Zinc, Nickel and Osmium should not be discarded into the sanitary sewer system. For assistance in evaluating your waste disposal needs call the UConn EHS office at 860-486-3115.

c. Waste for the Normal trash

EHS discourages the practice of discarded unused chemicals in the 'normal trash' regardless of the toxicity of the material. Even simple sugars, talc and other benign material can cause alarm simply by their appearance in a trash container or dumpster. EHS will collect non-hazardous wastes along with hazardous waste.

III. Managing Chemical Waste in a Laboratory

a. Choosing an Appropriate Waste Container

When choosing a waste container make sure that the container is compatible with the type of waste that will be stored in it. The container should have a screw-type cap, be clean and in sound condition. Never place corrosives or aqueous materials in a metal container. Placing hazardous materials in an incompatible container could cause a spill, leak or injury when handling the material.

EHS encourages the reuse or recycling of original containers when generating waste. For example if you purchase Methanol in 4L glass containers and generate Methanol waste. The waste could be accumulated into the original Methanol containers. Be sure to follow the marking and labeling guidelines for



the waste container. EHS can also supply HDPE 5 gallon (20L) closed-head containers for liquid wastes and HDPE 5 gallon (20L) open-head containers for solid wastes.

b. Segregation and Storage Location

The EPA requires waste containers to be stored at or near the point of generation and under control of the operators. Choose a location in the laboratory or laboratory unit that the waste is generated in. Waste cannot be stored across the hall or in a different location other than where it was originally generated.



The location should be clearly marked using the UConn SAA sign. These signs will clearly identify the location of your chemical waste storage area and list brief instructions for the storage and disposal of chemical waste.

Never store incompatible waste materials next to one another. Multiple storage locations can be used to separate incompatibles. If multiple storage locations are not feasible than separate incompatible with secondary containment tubs. Secondary containment tubs can be simple plastic trays. The trays should be able to contain at least 110% of the volume of the largest container stored in the tray.

c. Storage and Time Limitations

There is no regulatory limitation on the length of time that waste can be stored in the laboratory. As a general recommendation EHS recommends that laboratories dispose of chemicals waste at least monthly. It is easier to comply with waste regulations if the volume and number of containers stored in a SAA is kept to a minimum.

Laboratories (regulated by the US EPA as Satellite Accumulation Areas) may accumulate as much as 55 gallons of hazardous waste or 1 quart of acutely



hazardous waste at any one time. Any amount in excess of these limits must be removed within 3 days. Common acutely hazardous wastes ("P" listed wastes) include unused discarded and even empty containers of Acrolein, Arsenic Oxide, Brucine, Carbon Disulfide, Cyanides, p-Dinitrophenol, p-Nitroaniline, Osmium Tetroxide, Pentchlorophenol, and Sodium Azide to name few. See Appendix A iii to determine if you have a "P" Listed waste.

If your laboratory generates greater than 55 gallons of hazardous waste or 1 quart of Acutely Hazardous Waste contact EHS for a pickup immediately.

d. Marking and Labeling – In the Laboratory

Containers of Hazardous Waste must be labeled with the words "Hazardous Waste" along with other words that describe the chemical contents. Never use abbreviations or chemical formula on a hazardous waste label or tag. UConn EHS provides labels and tags for labeling chemical waste containers.

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The red and white labels have been designed for compliance during the accumulation of chemical waste in the laboratory. When labeling containers describe the contents as specifically as you can. If general descriptions such as "non-halogenated solvents" are used they must be accompanied by at least two of the chemical names of the materials in the waste container.



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e. Secondary Containment

Chemical waste containers must be managed in a way that prevents a release of any amount into the sanitary sewer system, surface or ground water. Laboratory sinks, cup sinks in hoods and floor drains are potential areas for a release. EHS recommends the use of secondary containment for all waste containers that containing free liquids. A common guideline is to use a containment tub that will contain 110% of the volume of your largest container or 10% of the total accumulated volume in the tub, whichever is larger.



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f. Use of Funnels in the Laboratory

Funnels are commonly used in laboratories for the transfer of liquids into containers. Hazardous Waste containers need to be closed at all times unless you are physically adding or removing waste from the containers. A common funnel should be removed each time it is used. There are also commercially available funnels that are designed for use with waste containers. These funnels have a lid that seals shut or a valve that can be closed after each use.





Most laboratory supply vendors have these types of funnels in stock and available.



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IV. Chemical Waste Disposal Guidelines

a. What EHS Needs to Know Prior to Disposal

It is important to describe the chemical constituents of your waste as thoroughly as possible so that your waste can be safely handled and disposed of. Describe the chemical constituents of your waste by percent as accurately as you can. Make sure that the percentages add up to approximately 100%. EHS personnel need this information to accurately characterized the waste as is required by State and Federal regulations. Specific information about the waste is also needed to determine how the waste should be properly managed for disposal.

b. Marking and Labeling – For Disposal Through EHS

The requirements for marking and labeling chemical waste containers for disposal through EHS are very similar to the marking and labeling requirements for waste container storage in the laboratory. EHS requires additional information such as the approximate percentages of each chemical constituent so they can make a determination on how the material should be characterized

for disposal. If the red & white waste sticker

does not list the chemical

contents by percentages, complete a hazardous waste disposal tag for the waste container. Use the tag to describe the contents by percent volume as accurately as you can making sure that the percentages add up to 100%.

c. How to Arrange for a Chemical Waste Pickup

Request for chemical waste pickups can be made online. Look under the Regulated Waste Management heading in the EHS website for the link to the request form http://ehs.uconn.edu/cwc/request.php

Requests can also be made by calling the EHS office at (860) 486-3115 or email <u>denis.shannon@uconn.edu</u>. The EHS Department routinely picks up chemical waste on Monday, Wednesday and Friday mornings. All waste containers should be clearly marked and labeled prior to the pickup.

d. Laboratories Which Cease Operations or Change Hands

Environmental Health & Safety often finds unknown and unwanted chemicals when laboratories change hands. The ensuing cleanup and disposal of chemicals is time-consuming and costly. Before a faculty member or research investigator leaves the University, either the departing individual or the department must take responsibility for the removal of chemical wastes. The departing individual



should notify Chemical Health & Safety before he/she ceases laboratory operations. If a major cleanout is anticipated, Chemical Health & Safety will provide forms for designating chemicals for disposal. In the event that an individual 'abandons' a laboratory, the Department Head or designee shall take this responsibility. All waste chemicals shall be identified, labeled, and stored properly prior to the pre-arranged pickup date, according to the points outlined in Marking and Labeling Section.

V. Other Helpful Information

a. Gas Cylinder Returns/Disposal

EHS does not manage the return or disposal of compressed gas cylinders. University personnel using cylinders must make every attempt to return them to the supplier when finished. Suppliers will usually accept empty or partially full cylinders at no cost. The best approach is to check with the supplier before purchasing any cylinders to see if used cylinders will be picked up when new ones are delivered. If the supplier will not, try to locate one that will. It is extremely difficult and expensive to have cylinders disposed of as chemical waste.

b. Empty Container Management – Acutely Hazardous Materials

Prior to disposing of an empty container you need to determine if you empty container contained a chemical listed in Appendix A iii. Some common P-Listed materials used in labs are; arsenic oxides, brucine, carbon disulfide, cyanides, dinitrophenol, nicotine, nitroaniline, osmium tetroxide, pesticides, sodium azide, and strychnine. There are many more compounds on the list. Empty original manufacturer containers of chemicals from this list must be managed as Acutely Hazardous Waste and should be disposed of through EHS. All barcodes containers need to be reported to EHS so they can be removed from the chemical inventory system.

c. Empty Container Management – Non-Acutely Hazardous Materials

Non-Acutely Hazardous empty containers can be discarded in the 'normal trash'. Most science buildings on campus have trash containers labeled "Lab Glass" for the disposal of glassware. Prior to disposing of the container the original label should be removed or defaced. The container cap should also be removed. All barcodes containers need to be reported to EHS so they can be removed from the chemical inventory system.

d. Solvent Redistillation



EHS has purchased a high purity solvent recycling system for the purification of laboratory grade solvents. We have recycled common organic solvents such as acetone, acetonitrile, xylene and methylene chloride. Laboratories that generate the same solvent waste with the same type of contaminants on a routine basis are potential candidates for the recycling program. Contact EHS about recycling solvents if your laboratory generates large quantities of these types of solvent waste.

e. Chemical Redistribution and Exchange

Contact EHS if you plan to dispose of unused, unopened containers of chemicals, especially high purity and commonly used materials. EHS can contact other departments and groups on campus to determine if they have an immediate use for these chemicals. The reuse and redistribution of unused unopened chemicals will reduce the University's cost of disposal as well as the cost of purchasing new products.

f. Art Studios

Art studios may generate a number of different types of chemical wastes. Some examples include solvent based paints or inks, thinners, ceramic glazes, aerosol cans, thinner soaked rags, acids used for etching, and heavy metal based pigments. Chemical waste generated from art studios should be managed using the procedures described in this document. These procedures are universal for both laboratories and art studios.

g. X-Ray and Photographic Processing Waste

UConn EHS maintains a permit to remove and recover silver from silver containing photographic processing wastes at the Storrs campus. If your laboratory generates silver containing fixer solutions contact EHS. EHS will provide collection containers for the fixer solutions. Silver is recovered from several hundred gallons of fixer solution each year. The recovery of silver from these fixer solutions allows the University to minimize the amount of Hazardous Waste it disposes of.



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Appendices

<u>Appendix A</u>	US EPA Listed Hazardous Waste
<u>Appendix B</u>	US EPA Toxic Characteristic Wastes (TCLP List)
Appendix C	Connecticut Regulated Waste

Appendix A: US EPA Listed Hazardous Waste

i. "F" List – Non-Specific Source Waste

Sec. 261.31 Hazardous wastes from non-specific sources.

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.

HZW No.	Hazardous Waste
Generic: 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.
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.
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.
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.
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.
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.
F007	Spent cyanide plating bath solutions from operations.
F008	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.
F012	Quenching waste water treatment sludges from metal heat treating operations where cyanides are used in the process.
F019	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.
F020	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.).
F021	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.
F022	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.
F023	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.).
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 Sec. 261.31 or Sec. 261.32.).



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.		
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.		
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 sythesized from prepurified 2,4,5-trichlorophenol as the sole component.).		
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027.		
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 Sec. 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.		
F034	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.		
F035	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.		
F037	Petroleum refinery primary oil/water/solids separation sludgeAny 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 Sec. 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.		



- F038 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 floation (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 Sec. 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.
 F039 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
- F039 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.).

[46 FR 4617, Jan. 16, 1981, as amended at 60 FR 33913, June 29, 1995]

Editorial Note: For Federal Register citations affecting Sec. 261.31, see the List of CFR Sections Affected in the Finding Aids section of this volume.



ii. "P" List – Acutely Hazardous Waste

Sec. 261.33 Discarded commercial chemical products, off-specification species, container residues, and spill residues thereof.

The following materials or items are hazardous wastes if and when they are discarded or intended to be discarded as described in Sec. 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 Sec. 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 Sec. 261.31 or Sec. 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 be the small quantity exclusion defined in Sec. 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.]

These wastes and their corresponding EPA Hazardous Waste Numbers are:

HZW No.	CAS 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-Aminonvridine
P009	131-74-8	Ammonium nicrate (R)
P119	7803-55-6	Ammonium vanadate
P099	506-61-6	Argentate(1-) bis(cvano-C)- potassium
P010	7778-39-4	Arsenic acid H3AsO4
P012	1327-53-3	Arsenic avide As203
P011	1303-28-2	Arsenic oxide As205
P011	1303-28-2	Arsenic pentovide
P012	1327_53_3	Arsenic trioxide
P038	692-42-2	Arsine diethyl
P036	696-28-6	Arsonous dichloride nhenvl
P054	151-56-4	Aziridine
P067	75-55-8	Aziridine 2 methyl
D012	542 62 1	Azirium evenide
P024	106_47_8	Benzenamine A chloro
D077	100-47-8	Benzenamine, 4-citiolo-
D078	100-01-0	Benzena (chloromethyl)
P042	51 /3 /	1.2 Benzenedial 4 [1 hydroxy 2 (methylamino)ethyl] (D)
D046	122.00.8	Panzanaathanamina, alnha alnha dimathul
D014	122-09-0	Benzenethiol
D127	100-90-5	7 Denzefittenel 2.2 dibudre 2.2 dimethul methuleerhemete
F12/ D199	57 64 7	Penzoia agid 2 hydroxy commod with (35S gig) 1.2.2.3.8.8.
F 100	J/-04-/	1 20.8 trimethylpurrelo[2,2, blindel 5, yl methyleerhemete ester (1,1)
$\mathbf{D} = \mathbf{D} = $		2H 1 Depropuren 2 one 4 hydroxy 2 (2 ove 1 phenylbutyl) &
	01-01-2	211-1-Denzopyran-2-one, 4-nydroxy-3-(3-0x0-1-phenyloutyr)-, &
		salts, when present at concentrations greater than 0.3%
P028	100-44-7	Benzyl chloride
P015	/440-41-/	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
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-



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5-yl

	ester.		
P190		129-41-5	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	Cvanogen chloride (CN)Cl
P034		131-89-5	2-Cvclohexvl-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	Disopropylfluorophosphate (DFP)
P004		309-00-2	1.4.5.8-Dimethanonaphthalene, 1.2.3.4.10.10-hexa- chloro-
1001		14	4 4 5 8 8a -hexabydro- (1alnha 4alnha 4abeta 5alnha 8alnha 8abeta)-
P060		465-73-6	1 4 5 8-Dimethanonanhthalene 1 2 3 4 10 10-hexa- chloro-
1 000		100 70 0	1 4 4a 5 8 8a-hexahydro- (1alnha 4alnha 4abeta 5heta 8heta 8abeta)-
P037		60-57-1	2 7:3 6-Dimethanonanhth[2 3-b]oxirene 3 4 5 6 9 9-hexachloro-
1057		1a 2 2a 3 6 6a 7 7a-oc	tahydro- (1aalnha 2beta 2aalnha 3beta 6beta 6aalnha 7beta 7aalnha)-
P051\1\		72_20_8	2 7:3 6-Dimethanonanbth [2 3-bloxirene 3 4 5 6 9 9-bexachloro-
1001(1)	1 2 2 2 3 6 6 2	72 20 0 7 7a-octahydro- (1aaln	ba 2beta 2abeta 3alnha 6alnha 6abeta 7beta 7aalnha). & metabolites
P044	14,2,24,5,0,04	.,7,7a-00tanyur0-, (1aaip .60-51-5	Dimethoate
P046		122_09_8	alnha alnha-Dimethylnhenethylamine
D101		644-64-4	Dimetilan
P047	$\langle 1 \rangle$	534-52-1	16 Dinitro o cresol & salts
P048	11 \	51_28_5	2 4-Dinitronhenol
P020		88.85.7	Dinoseh
P085		152_16_0	Dinloschoramide octamethyl
D111		107_40_3	Diphosphoric acid tetraethyl ester
DO20		208 04 4	Digulfoton
D040		5/1 53 7	Distributet
D185		26/10 72 8	1.3 Dithiolane 2 carboxoldehyde 2.4 dimethyl 0
1105		20419-75-0	1,5-Ditinoiane-2-carboxaluenyue, 2,4- diffetinyi-, 0-
D050		115 20 7	[(incuryianino)-caroonyi]oxine.
DU80		115-27-1	Endothall
1 U00 D051		1+J-/J-J 72 20 8	Endouran
FUJI D051		12-20-0	Endrin & motabalitas
FU31 D042		12-20-0	Enigenbring
P042		31-43-4	Epinepiirine



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P031 P194	460-19-5 23135-22-0	Ethanedinitrile Ethanimidothioc acid, 2-(dimethylamino)-N-[[(methylamino)
-		carbonyl]oxy]-2-oxo-, methyl ester.
P066		16/52-7/-
5 D101	107 12 0	Ethanimidotnioic acid, N-[[(methylamino)carbonyi]oxy]-, methyl ester
P101 D054	107-12-0	Ethylongining
P034 D007	131-30-4	Eurytenennine
P09/	7782 41 4	Flucing
P050	//82-41-4	
PU57	640-19-7	Fluoroacetamide
PU38	02-74-8	Fluoroacetic acid, sodium sait
P198	23422-53-9	Formetanate hydrochloride
P19/	1//02-5/-/	Formparanate
P065	628-86-4	Fulminic acid, mercury($2+$) sait (R, I)
P059	/6-44-8	Heptachlor
P062	/5/-58-4	Hexaethyl tetraphosphate
P116	/9-19-6	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(dimethylcarbamodithioato-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.
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-Methyllactonitrile
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
P074		557-19-7	Nickel cyanide
P074		557-19-7	Nickel cynaide Ni(CN)
P075	$\setminus 1 \setminus$	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 NO2
P081		55-63-0	Nitroglycerine (R)
P082		62-75-9	N-Nitrosodimethylamine
P084		4549-40-0	N-Nitrosomethylvinylamine
P085		152-16-9	Octamethylpyrophosphoramide
P087		20816-12-0	Osmium oxide OsO4
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	$\setminus 1 \setminus$	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-diethyl S-[2-(ethylthio)ethyl] ester
P094		298-02-2	Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester
P044		60-51-5	Phosphorodithioic acid, O,O-dimethyl S- [2-(methylamino)-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.Odimethyl 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



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P203 1646-88-4 Propanal, 2-methyl-2-(methyl-sulfonyl)-, O-)carbonyl]oxime
[(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 143-33-9 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 Tl2O3	
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 [(H2N)C(S)]2NH	
P014 108-98-5 Thiophenol	
P116 79-19-6 Thiosemicarbazide	
P026 5344-82-1 Thiourea (2-chlorophenvl)-	
P072 86-88-4 Thiourea 1-nanhthalenvl-	
P093 103-85-5 Thiourea nhenvl-	
P185 26419-73-8 Tirnate	
P123 8001-35-2 Toyanhene	
P118 75-70-7 Trichloromethanethial	
P119 7803-55-6 Vanadic acid ammonium salt	



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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 Zn3P2, when present at concentrations greater than 10% (P T)
P205		137-30-4	Ziram

\1\ CAS Number given for parent compound only.



Policies, Programs and Procedures

iii. "U" List - Non-Acutely Hazardous Waste

261.33

(f) The commercial chemical products, manfacturing chemical intermediates, 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 Sec. 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.]

These wastes and their corresponding EPA Hazardous Waste Numbers are:

HZW No.	CAS No.	Substance
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 <ls-thn-eq>3,4]pyrrolo[1,2-a]indole-4,7-dione, 6-amino-</ls-thn-eq>
	8-[(aminocar	bonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-
		(laalpha,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-



11010		(2, 52, 2	
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 (IT)
1038		510-15-6	Benzene (1,1) Benzene acetic acid 4-chloro-alpha-(4-chlorophenyl)-alpha-
0000		510 15 0	budrovy, ethyl ester
11030		101 55 3	Banzana 1 bromo / nhanovy
11025		205 02 2	Denzene, 1-0101110-4-pitelloxy-
0033		303-03-3	Benzeneoutanoic acid, 4-[bis(2-chioroethyr)amino]-
0037		108-90-7	Benzene, chloro-
0221		253/6-45-8	Benzenediamine, ar-methyl-
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)-
11223		26471-62-5	Benzene, 13-dijsocvanatomethyl- (R T)
11239		1330-20-7	Benzene, dimethyl ₋ (IT)
U201		108-46-3	1 3 Benzenedial
U201		110 74 1	Panzana havaahlara
U127		110-74-1	Denzene, hexaciii010-
0030		110-62-7	Denzene, nexanyuro- (1)
0220		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)- (1)
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-
U021		92-87-5	Benzidine
U202 \1	1\	81-07-2	1 2-Benzisothiazol-3(2H)-one 1 1-dioxide & salts
11278		22781-23-3	1 3-Benzodiovol-4-ol 2 2-dimethyl- methyl carbamate
U364		22,01-23-3	1.3-Benzodiovol-4-ol. 2.2-dimethyl-
11202		0/_50_7	1.3-Benzadiovale 5.(2 propend)
0203		77-J7-/ 170 50 1	1,3-Denzodiovala, 5-(2-piopenyi)
0141		120-38-1	1,5-Benzouloxole, 5-(1-propenyl)-



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110 (7			
U367		1563-38-8	7-Benzoturanol, 2,3-dihydro-2,2-dimethyl-
U090		94-58-6	1,3-Benzodioxole, 5-propyl-
U064	\1\	189-55-9	Benzo[rst]pentaphene
0248	\1\	81-81-2	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, &
11022		50 22 9	saits, when present at concentrations of 0.3% or less
UU22		30-32-8 106 51 4	Benzolajpyrene
U19/		100-51-4	p-Benzoquinone
UU23		98-0/-/	2.2 Disasing
U085		1404-33-3	2,2-BIOXIFANE
U021 U072		92-87-3	[1,1-Diphenyl] 4,4' diamine 2,2' diablere
U0/5		91-94-1	[1,1 -Diphenyi] -4,4 -diamine, 5,5 -dichloro-
U091 U005		119-90-4	[1,1 -Diphenyl] 4,4 -diamine, 3,3 -dimethoxy-
U095		75 75 7	[1,1 -Diplicity]-4,4 -dialilitic, 5,5 -diffective-
U223		101 55 3	A Bromonhanyl nhanyl ether
UU30 U128		87-68-3	1.3 Butadiene 1.1.2.3.4.4 hexachloro
U128 U172		074_16_3	1. Butanamine N butyl N nitroso
U172		71_36_3	1-Butanol (I)
U1159		78-93-3	2-Butanone (I T)
U160		1338_23_4	2-Butanone perovide (R T)
U053		4170-30-3	2-Butenal
U074		764-41-0	2-Butene 1 4-dichloro- (LT)
U143		303-34-4	2-Butenoic acid 2-methyl- 7-[[2 3-dihydroxy-2-(1-methoxyethyl)-
0110		505 51 1	3-methyl-1-oxobutoxylmethyll-2.3.5.7a-tetrahydro-1H-pyrrolizin-1-yl
			ester,[1S-[1alpha(Z),7(2S*,3R*),7aalpha]]-
U031		71-36-3	n-Butyl alcohol (I)
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-dichloro-2-
11270		(2.25.2	propenyl) ester
U219 U272		10605 21 7	Carbondozim
U372 U267		10005-21-7	Carbendazini.
U307		1303-30-0 6532 73 0	Carbonia and ditballium(1+) salt
U033		353-50-4	Carbonic difluoride
U156		79_22_1	Carbonne annuonae Carbonnehloridie acid methyl ester (LT)
U130		353-50-1	Carbon oxyfluoride (R T)
0033		555-50-4	Carbon Oxymuonue (N, I)



U211		56-23-5	Carbon tetrachloride
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 H2CrO4, calcium salt
U050		218-01-9	Chrysene
U051			Creosote
U052		1319-77-3	Cresol (Cresvlic acid)
U053		4170-30-3	Crotonaldehyde
U055		98-82-8	Cumene (I)
U246		506-68-3	Cvanogen bromide (CN)Br
U197		106-51-4	2.5-Cvclohexadiene-1.4-dione
U056		110-82-7	Cyclohexane (I)
U129		58-89-9	Cyclohexane 123456-hexachloro-
012)			(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	$\langle 1 \rangle$	94-75-7	2 4-D salts & esters
U059		20830-81-3	Daunomycin
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]pvrene
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	n-Dichlorobenzene
U073		91-94-1	3 3'-Dichlorobenzidine
U074		764-41-0	1.4-Dichloro-2-butene (LT)
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



Policies, Programs and Procedures

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
U090	94-58-6	Dihydrosafrole
U091	119-90-4	3 3'-Dimethoxybenzidine
U092	124-40-3	Dimethylamine (I)
U093	60-11-7	n-Dimethylaminoazobenzene
U094	57-97-6	7 12-Dimethylbenz[a]anthracene
U095	119-93-7	3 3'-Dimethylbenzidine
U096	80-15-9	alpha alpha-Dimethylbenzylbydroperoxide (R)
U097	79-44-7	Dimethylcarhamoyl chloride
11098	57-14-7	1 1-Dimethylbydrazine
11000	540-73-8	1.2-Dimethylhydrazine
U101	105-67-9	2 4-Dimethylnbenol
U102	131_11_3	Dimethyl nhthalate
U102	77_78_1	Dimethyl philadae
U105	121-14-2	2.4. Dinitrotoluene
U105	606-20-2	2.6 Dinitrotoluene
U100	117.84.0	Di n octul nhtholote
U107 U108	177-04-0	1 4 Diovane
U108	123-91-1	1,7-Diokand
U109 U110	122-00-7	Dipropylamine (I)
U110 U111	621 64 7	Di n propulnitrosomine
U111 U041	106.80.8	Enichlorobydrin
U041 U001	75 07 0	Ethonol (I)
11404	121 11 8	Ethanomine NN diethyl
U404 U174	55-18-5	Ethanamine, N., N-ulculyi-
U174 U155	01 80 5	1.2 Ethanediamine, NN dimethyl N' 2 pyridinyl N' (2
0155	91-00-5	1,2-Eulaneulannie, 19,19-unieuryi-19-2-pyriumyi-19-(2-
11067	106 03 /	Ethane 1.2 dibromo
U076	75 24 2	Ethane, 1,2-diolono-
U070	107-06-2	Ethane, 1,1-dichloro
U121	67 72 1	Ethane, hypothere
U131 U1024	111 01 1	Ethane, 1 1' [mathulanahis(avu)]his[2 ahlara
U024 U117	60 20 7	Ethane, 1,1 -[Incuryicheois(0xy)]0is[2-cirioi0-
U117 U025	111 11 1	Ethane, 1,1 -oxybis[2 chloro
1194	76 01 7	Ethane, nontachlare
U104	/0-01-/	Ethane, 1 1 2 tatuahlara
U208	70 34 5	Ethane, 1,1,2-tetrachloro
U209	62 55 5	Ethanet, 1,1,2,2-tetrachioro-
U218 U226	02-33-3	Ethane 1.1.1 trichlore
U220 U227	70.00.5	Ethane, 1,1,1-trichloro
UZZ/ UZZ/	17-00-J 50660 26 0	Ethanimidathiaia aaid NN'
0410	57009-20-0	Ethiobis[(mathylimino)conhonylow/lhig_dimethylt-
11204	20559 12 1	Ethonimidothioio poid 2 (dimothylamino) N hydrowy 2 over
0394	30338-43-1	Euramindounoic acid, 2-(dimeuryramino)-N-nydroxy-2-0x0-

,methyl ester.



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L339 110-80-3 Effland, 2-2-(nytrosonino)bis- U373 1116-54-7 Ethanol, 2.2'-(nytrosonino)bis- U395 5952-26-1 Ethanol, 2.2'-(nytrosonino)bis- U043 75-01-4 Ethene, cl.2-(nytrosonino)bis- U043 170-01-4 Ethene, cl.2-(coloreethoxy)- U042 110-75-8 Ethene, (.2-coloreethoxy)- U079 156-60-5 Ethene, (.2-coloreethoxy)- U120 127-18-4 Ethene, trichloro- U121 141-78-6 Ethyl acrylate (I) U113 140-88-5 Ethyl acrylate (I) U114 VI 60-29-7 Ethyl earbante (urethane) U077 107-06-2 Ethylene bidribroarbanic acid, salts & esters U067 106-93-4 Ethylene bidribroarbanic U115 75-21-8 Ethylene bidribroarbanic U116 96-45-7 Ethylene bidribroarbanic U118 97-63-2 Ethyl methacesulfonate U120 206-44-0 Fluoranthene U121 200-0 Ethyl methacesulfonate U122 50	11250	110 90 5	Ethonal 2 athory
0175 1110-34-7 Ethanio, 2.2 "unitsof minolys- 01395 5952-26-1 Ethanone, 1-phenyl- 0004 98-86-2 Ethanone, 1-phenyl- 0042 110-75-8 Ethene, (1-dichloro- 0078 75-35-4 Ethene, (1-dichloro- 0079 156-60-5 Ethene, (1-dichloro- 0170 127-18-4 Ethene, tetrachloro- 01210 127-18-4 Ethene, tetrachloro- 01228 79-01-6 Ethyl acetale (1) 0113 140-88-5 Ethyl acetale (1) 0113 140-88-5 Ethyl acetale (1) 0114 111-54-6 Ethyl acetale (1) 0117 60-29-7 Ethyl ether (1) 0114 111-54-6 Ethylene disbidnicarbamic acid, salts & esters 0007 106-93-4 Ethylene dischoride 0107 107-06-2 Ethylene dischoride 0115 75-21-8 Ethylene dischoride 0116 96-45-7 Ethylene dischoride 0118 97-63-2 Ethyl methanesulfonate 0119	U339 U172	1116 54 7	Ethanol, 2-ethoxy-
D390 D392-20-1 Finantiol, $2,2$ DNNs, dicardinate. U004 98-86-2 Ethanone, 1.pheny1 U043 75-01-4 Ethanone, 1.pheny1 U078 75-35-4 Ethene, (.2-cholroethoxy)- U079 156-60-5 Ethene, 1.2-dichloro-, (E)- U210 127-18-4 Ethene, trichloro- U112 141-78-6 Ethyl acrylate (1) U123 51-79-6 Ethyl acrylate (1) U133 140-88-5 Ethyl acrylate (1) U114 VI 111-56-6 Ethyl acrylate (1) U117 60-29-7 Ethyl endbromide Ethyl acrylate (1) U118 97-66 Ethylene dischinocarbamic acid, salts & esters U067 106-93-4 Ethylene dischinocarbamic acid, salts & esters U115 75-21-8 Ethylene dischinora U116 97-63-2 Ethyl methacrylate U119 62-50-0 Ethyl methacrylate U119 62-50-0 Ethyl methacrylate U120 206-44-0 Fluoranthene U121 10-09-9	U175 U205	5052.26.1	Ethanol, 2,2 - (Introsomino)015-
Coord $2e_{20}-2$ Ethnich, t-pinety U043 75-01-4 Ethene, (chloro- U042 110-75-8 Ethene, (1-dichloro- U079 156-60-5 Ethene, 1.2-dichloro- U210 127-18-4 Ethene, trichloro- U218 79-01-6 Ethene, trichloro- U112 141-78-6 Ethyl acctate (1) U113 140-88-5 Ethyl acctate (1) U114 V11 11-54-6 Ethylenebisdithiocarbamic acid, salts & esters U067 106-93-4 Ethylene dibronide U077 U07-06-2 Ethylene discloride U17 U114 V1 11-54-6 Ethylene discloride U067 106-93-4 Ethylene discloride U077 107-06-2 Ethylene discloride U114 V1 11-54-6 Ethylene oxide (1,T) U115 75-21-8 Ethylene discloride U116 96-45-7 Ethylene discloride U118 97-63-2 Ethyl methacylate U119 62-50-0 Ethyl me	U393	08 86 2	Ethanon, 2,2 -0xybis-, dicarbanate.
Orbstyle 1/2014 Ethene, (1,1-dichloro- U078 75.35.4 Ethene, (1,2-chlorocthoxy)- U079 156-60-5 Ethene, (1,2-chloroc, (E)- U210 127.18.4 Ethene, trichloro- U228 79-01-6 Ethene, trichloro- U212 141-78.6 Ethyl acrylate (1) U113 140-88.5 Ethyl acrylate (1) U114 60-29.7 Ethyl entrylate (1) U117 60-29.7 Ethylene dibromide U067 106-93.4 Ethylene dibromide U077 107-06-2 Ethylene dibromide U115 75-21.8 Ethylene oxide (1,T) U116 96-45.7 Ethylene dichloride U118 97-63.2 Ethyl methacrylate U119 62-50-0 Ethyl methacrylate U120 206-44-0 Fluoranthene U121 50-00 Furana (1) U122 50-00.1 2-5 Furanacional U123 64-18-6 Formic acid (C,T) U124 110-00-9 Furan (1) <	U004 U042	98-80-2 75 01 4	Ethanone, 1-phenyi-
U042 110-12-5 Ethene, 1, 1-4 ichloro- U079 155-60-5 Ethene, 1, 1-4 ichloro- U210 127.18-4 Ethene, trichloro- U228 79-01-6 Ethene, trichloro- U112 141-78-6 Ethyl acctate (1) U113 140-88-5 Ethyl acrbanet (urethane) U114 111-54-6 Ethyl entrylate (1) U114 111-54-6 Ethylenebisdithiocarbamic acid, salts & esters U067 106-93-4 Ethylene disformide U077 107-06-2 Ethylene disformide U077 107-06-2 Ethylene oxide (1,T) U115 75-21-8 Ethylene oxide (1,T) U116 96-45-7 Ethylene disformide U170 02-50-0 Ethyl methanesulfonate U119 62-50-0 Ethyl methanesulfonate U120 206-44-0 Fluoranthene U122 50-00-0 Formid achyde (1) U124 110-00-9 Furan (1) U125 98-01-1 2-Furanearboxaldehyde (1) U147 <td< td=""><td>0045</td><td>/3-01-4</td><td>Ethene, (2) shi se sh see</td></td<>	0045	/3-01-4	Ethene, (2) shi se sh see
0079 156-60-5 Ethene, 1,1-4/En1010- U210 127-18-4 Ethene, tetrachloro- U218 79-01-6 Ethene, tetrachloro- U112 141-78-6 Ethyl acrylate (1) U113 140-88-5 Ethyl acrylate (1) U238 51-79-6 Ethyl acrylate (1) U114 111-54-6 Ethyl carbamate (urethane) U117 60-29-7 Ethyl end arbamate (urethane) U067 106-93-4 Ethylene disouthlocarbamic acid, salts & esters U067 106-93-4 Ethylene dishoride U077 107-06-2 Ethylene dishoride U115 75-21-8 Ethylene oxide (1,T) U116 96-45-7 Ethylene dishoride U118 97-63-2 Ethyl methacrylate U119 62-50-0 Ethyl methacrylate U120 206-44-0 Fluoranthene U121 50-00 Formal (1) U122 50-00 Formal (1) U124 110-00-9 Furan (1) U125 98-01-1 2-Fur	U042	110-75-8	Ethene, (2-chloroethoxy)-
0079 150-00-3 Enterter, 1,2-0000, (E)- U210 127-18-4 Ethene, trichloro- U228 79-01-6 Ethene, trichloro- U112 141-78-6 Ethyl acetate (I) U113 140-88-5 Ethyl acetate (I) U238 51-79-6 Ethyl acetate (I) U117 60-29-7 Ethyl enebisdithiocarbamic acid, salts & esters U067 106-93-4 Ethylene dichloride U077 107-06-2 Ethylene dichloride U077 107-06-2 Ethylene dichloride U076 75-34-3 Ethylene oxide (I,T) U118 97-63-2 Ethyl methacrylate U120 206-44-0 Fluoranthene U121 10-00-9 Furan (I) U122 50-00-0 Forma acid (C,T) U124 110-00-9 Furan (I) U125 98-01-1 2-Furancarboxaldehyde (I) U124 110-00-9 Furan (I) U125 98-01-1 Furfural (I) U126 1883-66-4 Glucypyranose, 2-deoxy	U078 U070	156 60 5	Ethene, 1.2 dishlara (E)
0210 127-18-4 Entende, terrationoro- 0228 79-01-6 Ethen, rickhoro- 0111 141-78-6 Ethyl acrtate (1) 0113 140-88-5 Ethyl acrtate (1) 0238 51-79-6 Ethyl acrtate (1) 0117 60-29-7 Ethyl ether (1) 0114 VI 111-54-6 Ethylenebisdithiocarbamic acid, salts & esters 0067 106-93-4 Ethylene dikoloride 0 0077 107-06-2 Ethylene dikoloride 0 0115 75-21-8 Ethylene glycol monocthyl ether 0 0116 96-45-7 Ethylene dikoloride 0 0116 96-45-7 Ethyl methancylate 0 0118 97-63-2 Ethyl methancylate 0 0122 50-00 Formia caid (C,T) 0 0 0122 50-00 Formaldehyde 0 0 0123 64-18-6 Formic acid (C,T) 0 0 0124 110-00-9 Furan (1) 0 0 <td>U0/9</td> <td>130-00-3</td> <td>Ethene, 1,2-dichloro-, (E)-</td>	U0/9	130-00-3	Ethene, 1,2-dichloro-, (E)-
0228 79-01-0 Entener, trentoro- 0112 141-78-6 Ethyl acetate (1) 0113 140-88-5 Ethyl acetate (1) 0114 140-88-5 Ethyl acetate (1) 01238 51-79-6 Ethyl acetate (1) 0117 60-29-7 Ethyl enbisdithiocarbamic acid, salts & esters 0067 106-93-4 Ethylene dibromide 0077 107-06-2 Ethylene dibromide 0115 75-21-8 Ethylene oxide (1,T) 0116 96-45-7 Ethylene oxide (1,T) 0116 96-45-7 Ethylene dibromide 0118 97-63-2 Ethyl imethacexulfonate 0119 62-50-0 Ethyl methacesulfonate 0120 206-44-0 Formia acid (C,T) 0121 200-00 Formaldehyde 0122 50-00-0 Formalechyde (1) 0123 64-18-6 Formic acid (C,T) 0147 108-31-6 2,5-Furandione 0213 109-99-9 Furan (1) 0125 98-01-1 Furfural (1) <td>U210</td> <td>12/-18-4</td> <td>Etnene, tetrachioro-</td>	U210	12/-18-4	Etnene, tetrachioro-
0112 141-78-0 Ethyl acrylate (1) 0113 140-88-5 Ethyl acrylate (1) 0117 60-29-7 Ethyl entryl ether (1) 0114 111-54-6 Ethylenebisdithiocarbamic acid, salts & esters 0067 106-93-4 Ethylene dishloride 0077 107-06-2 Ethylene dishloride 0115 75-21-8 Ethylene dishloride 0116 96-45-7 Ethylene dishloride 0116 96-45-7 Ethylene dishloride 0119 62-50-0 Ethylenethiourea 0119 62-50-0 Ethyl methancylate 0112 206-44-0 Fluoranthene 0122 50-00-0 Formaldehyde 0123 64-18-6 Formic acid (C,T) 0124 110-00-9 Furan (1) 0125 98-01-1 2-Furandorance 0124 110-00-9 Furfuran (1) 0125 98-01-1 Furfuran (1) 0124 110-00-9 Furfuran (1) 0125 98-01-1 Furfuran (1) 0266 18883-66-4 Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-,	U228	/9-01-0	Ethene, trichloro-
0113 140-88-5 Ethyl acrystate (1) 0238 51-79-6 Ethyl earbanate (urethane) 0117 60-29-7 Ethylene dischinic acid, salts & esters 0067 106-93-4 Ethylene dischinic acid, salts & esters 0067 107-06-2 Ethylene dischinic acid, salts & esters 0077 107-06-2 Ethylene dischinic acid, salts & esters 0067 106-93-4 Ethylene dischinic acid, salts & esters 0076 75-31-3 Ethylene oxide (1,T) 0076 75-34-3 Ethylene oxide (1,T) 0076 76-3-2 Ethyl methacrylate 0119 62-50-0 Ethyl methacrylate 0122 50-00-0 Flowanthene 0122 50-00-0 Formia david (C,T) 0124 110-00-9 Furan (1) 0125 98-01-1 2-Furancarboxaldehyde (1) 0147 108-31-6 2.5-Furandione 0213 109-99-9 Furan (1) 0226 1883-66-4 D-Glucose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D- 0206 18883-66-4 D-Glucose, 2-deoxy-2-(1(methylnitrosoannino)-carbonyl]amino]- 0126<	UII2	141-78-6	Ethyl acetate (1)
U238 51-79-6 Ethyl carbanate (urefinane) U117 60-29-7 Ethyl ether (I) U114 11 111-54-6 Ethylene dichlorabamic acid, salts & esters U067 106-93-4 Ethylene dichlorabamic acid, salts & esters U077 107-06-2 Ethylene dichloride U339 110-80-5 Ethylene dichloride U115 75-21-8 Ethylenetioncea U076 75-34-3 Ethylenethiorea U118 97-63-2 Ethyl methacrylate U119 62-50-0 Ethyl methanesulfonate U120 206-44-0 Flouranthene U123 64-18-6 Formic acid (C,T) U124 110-00-9 Furan (I) U125 98-01-1 2-Furancarboxaldehyde (I) U124 10-00-9 Furfuran (I) U125 98-01-1 Furfuran (I) U266 18883-66-4 D-Glucose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D- U206 18883-66-4 D-Glucose, 2-deoxy-2-(1-methyl-1-3-nitrosoureido)-, D- U126 765-34-4 Glycidyladehyde U130 77-47-4 Hexachlorobana	U113	140-88-5	Ethyl acrylate (I)
011/ $60-29-7$ Ethyl entry (1) 0114 \1\ 111-54-6 Ethylene dishromide 0067 106-93-4 Ethylene dichloride 0077 107-06-2 Ethylene dichloride 0115 75-21-8 Ethylene oxide (1,T) 0116 96-45-7 Ethylene oxide (1,T) 0116 96-45-7 Ethylene oxide (1,T) 0117 62-50-0 Ethyl methacrylate 0118 97-63-2 Ethyl methanesulfonate 0120 206-44-0 Fluoranthene 0121 20-60-0 Formia caid (C,T) 0122 50-00-0 Formia caid (C,T) 0123 64-18-6 Formic acid (C,T) 0124 110-00-9 Furan (1) 0125 98-01-1 2-Furancarboxaldehyde (1) 0121 109-99-9 Furfuran (1) 0122 98-01-1 Furfuran (1) 0124 110-00-9 Furan, tetrahydro-(1) 0125 98-01-1 Furfuran (1) 0206 18883-66-4 D-Glucose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D- 0206 18883-66-4 <td< td=""><td>U238</td><td>51-79-6</td><td>Ethyl carbamate (urethane)</td></td<>	U238	51-79-6	Ethyl carbamate (urethane)
U114 111-34-6 Ethylenebisdithiocarbamic acid, salts & esters U067 106-93-4 Ethylene dichloride U077 107-06-2 Ethylene dichloride U359 110-80-5 Ethylene glycol monoethyl ether U116 96-45-7 Ethylene dichloride U076 75-34-3 Ethylidene dichloride U118 97-63-2 Ethyl methanesulfonate U120 206-44-0 Fluoranthene U123 64-18-6 Formic acid (C,T) U124 110-00-9 Furan (1) U125 98-01-1 2-Furancibone U124 100-09 Furfural (1) U124 100-09 Furfural (1) U125 98-01-1 Parfural (1) U124 100-09 Furfural (1) U125 98-01-1 Furfural (1) U124 100-00-9 Furfural (1) U124 100-00-9 Furfural (1) U125 98-01-1 Furfural (1) U126 1883-66-4 O-Glucose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D- U206 18883-66-4 Glycidylaldehyde		60-29-7	Ethyl ether (1)
U06/ 106-93-4 Ethylene dichloride U077 107-96-2 Ethylene dichloride U359 110-80-5 Ethylene oxide (1,T) U115 75-21-8 Ethylene toxide (1,T) U116 96-45-7 Ethylenethiourea U076 75-34-3 Ethylmethiourea U118 97-63-2 Ethyl methacrylate U119 62-50-0 Ethyl methacrylate U120 206-44-0 Fluoranthene U121 50-00-0 Formaldehyde U122 50-00-0 Formaldehyde U124 10-00-9 Furan (1) U125 98-01-1 2-Furancarboxaldehyde (1) U131 109-99-9 Furan (1) U124 110-00-9 Furfural (1) U125 98-01-1 Furfural (1) U124 110-00-9 Furan (1) U206 1883-66-4 Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D- U206 1883-66-4 Glucopyranose, 2-deoxy-2-[(methylnitrosoamino)-carbonyl]amino]- U125 98-01-1		111-54-6	Ethylenebisdithiocarbamic acid, salts & esters
0077 $107.06-2$ Ethylene dichloride 0359 $110.80-5$ Ethylene dixol monochyl ether 0115 $75-21-8$ Ethylene dixol monochyl ether 0076 $75.34.3$ Ethylidene dichloride 0122 50.00 Ethylidene dichloride 0122 $50.00.00$ Formaldehyde 0122 $50.00.00.00$ Formaldehyde 0123 $64.18.6$ Formic acid (C,T) 0124 $110.00.9$ Furfural (I) 0125 $98.01-1$ 2.45 rurantione 01206 $1883.66.4$ $Olicose, 2-deoxy-2-[3$	U067	106-93-4	Ethylene dibromide
U359110-80-5Ethylene glycol monochyl etherU11575-21-8Ethylene oxide (I,T)U11696-45-7Ethylene thioureaU07675-34-3Ethylene thioureaU11897-63-2Ethyl methanseulfonateU11962-50-0Ethyl methanseulfonateU120206-44-0FluorantheneU12364-18-6Formic acid (C,T)U124110-00-9Furan (I)U12598-01-12-Furancarboxaldehyde (I)U121109-99-9Furan, ternaydro-(I)U12598-01-12-Furancarboxaldehyde (I)U124110-00-9Furfuran (I)U12598-01-1Furfuran (I)U124110-00-9Furfuran (I)U20618883-66-4Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-U20618883-66-4D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-U126765-34-4GlycidylaldehydeU127118-74-1HexachlorobutadieneU12887-68-3HexachlorobutadieneU13077-47-4HexachlorobutadieneU13167-72-1HexachloropheneU2431888-71-7HexachloropheneU133302-01-2Hydrazine, 1,2-ditethyl-U086161-580-1Hydrazine, 1,2-ditethyl-U099540-73-8Hydrazine, 1,2-dimethyl-U1347664-39-3Hydrogen sulfideU1357783-06-4Hydrogen sulfideU1357783-06-4Hydrogen sulfideU1357783-06-4 <t< td=""><td>U077</td><td>107-06-2</td><td>Ethylene dichloride</td></t<>	U077	107-06-2	Ethylene dichloride
U115 $75 \cdot 21 \cdot 8$ Ethylene oxide (1,1) U116 96-45.7 Ethylene thylene dichloride U118 $97 \cdot 63 \cdot 2$ Ethyl methacrylate U119 62 \cdot 50 \cdot 0 Ethyl methacrylate U120 206 \cdot 44 \cdot 0 Fluoranthene U121 50 \cdot 00 \cdot 0 Formaldehyde U122 50 \cdot 00 \cdot 0 Formaldehyde U123 64 \cdot 18 \cdot 6 Formic acid (C,T) U124 110 \cdot 00 - 9 Furan (1) U125 98 \cdot 01 - 1 2 - Furancarboxaldehyde (1) U147 108 \cdot 31 - 6 2,5 - Furandione U122 98 \cdot 01 - 1 Furfural (1) U124 110 \cdot 00 - 9 Furfuran (1) U124 110 - 00 - 9 Furfuran (1) U206 1883 - 66 - 4 Ol-Cylucopyranose, 2 - deoxy - 2 - ([(methylnitrosoamino) - carbonyl]amino] - U125 98 - 01 - 1 Furfural (1) U206 1883 - 66 - 4 Ol-Cylucopyranose, 2 - deoxy - 2 - [[(methylnitrosoamino) - carbonyl]amino] - U125 98 - 01 - 1 Hexachlorobenzene U126 76 - 34 - 4 Glyciylaldehyde U130 77 -	U359	110-80-5	Ethylene glycol monoethyl ether
U116 96-45-7 Ethylienethiourea U076 75-34-3 Ethylidene dichloride U118 97-63-2 Ethyl methaarylate U119 62-50-0 Ethyl methaarsulfonate U120 206-44-0 Fluoranthene U121 50-00-0 Formidehyde U122 50-00-0 Formidehyde U123 64-18-6 Formic acid (C,T) U124 110-00-9 Furan (1) U125 98-01-1 2-Furancarboxaldehyde (I) U147 108-31-6 2,5-Furandione U213 109-99-9 Furfural (1) U124 110-00-9 Furfural (1) U124 110-00-9 Furfuran (1) U206 18883-66-4 D-Glucose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D- U206 18883-66-4 D-Glucose, 2-deoxy-2-([(methylnitrosoamino)-carbonyl]amino]- U126 76-34-4 Glycidylaldehyde U127 118-74-1 Hexachlorobenzene U128 87-68-3 Hexachlorobenzene U130 77-47-4 Hexachlorophene U131 67-72-1 Hexachlo	U115	75-21-8	Ethylene oxide (I,T)
0076 $75.34.3$ Ethylidene dichloride 0118 $97.63.2$ Ethyl methacrylate 0119 $62.50.0$ Ethyl methacrylate 0112 $206.44.0$ Fluoranthene 0112 $50.00.0$ Formic acid (C,T) 01123 $64.18.6$ Formic acid (C,T) 01124 $110.00.9$ Furan (I) 01125 $98.01.1$ 2 -Furancarboxaldehyde (I) 01147 $108.31.6$ $2,5$ -Furandione 0125 $98.01.1$ 2 -Furancarboxaldehyde (I) 01147 $108.31.6$ $2,5$ -Furandione 0125 $98.01.1$ 2 -Furancarboxaldehyde (I) 01147 $108.31.6$ $2,5$ -Furandione 0125 $98.01.1$ $Furfural (I)$ 0124 $110.00.9$ Furfural (I) 0126 $1883.66.4$ $O-Glucose, 2-deoxy-2.(3-methyl-3-nitrosoureido)-, D- 0206 18883-66.4 O-Glucose, 2-deoxy-2.(3-methyl-1-3-nitrosoureido)-, D- 0126 765.34.4 Glycidylaldehyde 0113 70-25.7 Guanidine, N-methyl-N'-nitro-N-nitroso- 0127$	U116	96-45-7	Ethylenethiourea
U118 97-63-2 Ethyl methacrylate U119 62-50-0 Ethyl methanesulfonate U120 206-44-0 Fluoranthene U121 50-00-0 Formaldehyde 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) U124 110-00-9 Furfuran (I) U124 110-00-9 Furfuran (I) U206 18883-66-4 D-Glucose, 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 U127 118-74-1 Hexachlorobenzene U130 77-47-4 Hexachlorocyclopentadiene U131 67-72-1 Hexachloroptene U132 70-30-4 Hexachloroptene U133 302-01-2 Hydrazine, 1,2-diethyl- U098 57-14-7 <td>U076</td> <td>75-34-3</td> <td>Ethylidene dichloride</td>	U076	75-34-3	Ethylidene dichloride
U119 $62-50-0$ Ethyl methanesulfonateU120 $206-44-0$ FluorantheneU122 $50-00-0$ FormaldehydeU123 $64-18-6$ Formic acid (C,T)U124 $110-00-9$ Furan (I)U125 $98-01-1$ 2 -Furancarboxaldehyde (I)U147 $108-31-6$ $2,5$ -FurandioneU213 $109-99-9$ Furan, tetrahydro-(I)U124 $110-00-9$ Furfuran (I)U125 $98-01-1$ Furfuran (I)U124 $110-00-9$ Furfuran (I)U206 $18883-66-4$ Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-U206 $18883-66-4$ Glucopyranose, 2-deoxy-2-([(methylnitrosoamino)-carbonyl]amino]-U126 $765-34-4$ GlycidylaldehydeU163 $70-25-7$ Guanidine, N-methyl-N'-nitro-N-nitroso-U127 $118-74-1$ HexachlorobenzeneU130 $77-47-4$ HexachlorocyclopentadieneU131 $67-72-1$ HexachlorocyclopentadieneU132 $70-30-4$ HexachloropheneU243 $1888-71-7$ HexachloropheneU133 $302-01-2$ Hydrazine, $1,2$ -diethyl-U098 $57-14-7$ Hydrazine, $1,2$ -diethyl-U099 $540-73-8$ Hydrazine, $1,2$ -diethyl-U134 $7664-39-3$ Hydrogen fluoride (C,T)U134 $7664-39-3$ Hydrogen sulfide H2S	U118	97-63-2	Ethyl methacrylate
U120 $206-44-0$ FluorantheneU12250-00-0Formid ehydeU12364-18-6Formic acid (C,T)U124110-00-9Furan (I)U12598-01-12-Furancarboxaldehyde (I)U147108-31-62,5-FurandioneU213109-99-9Furan, tetrahydro-(I)U124110-00-9Furfuran (I)U12598-01-1Furfuran (I)U124110-00-9Furfuran (I)U20618883-66-4Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-U20618883-66-4D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-U126765-34-4GlycidylaldehydeU127118-74-1HexachlorobenzeneU12887-68-3HexachlorobethaneU13077-47-4HexachlorocyclopentadieneU13167-72-1HexachloropeneU133302-01-2Hydrazine, 1,2-diethyl-U09857-14-7Hydrazine, 1,2-diethyl-U199140-73-8Hydrazine, 1,2-diethyl-U190122-66-7Hydrazine, 1,2-diethyl-U1347664-39-3Hydrogen sulfideU1357783-06-4Hydrogen sulfide H2S	U119	62-50-0	Ethyl methanesulfonate
U12250-00-0FormaldehydeU12364-18-6Formic acid (C,T)U124110-00-9Furan (I)U12598-01-12-Furancarboxaldehyde (I)U147108-31-62,5-FurandioneU213109-99-9Furan, tetrahydro-(I)U12598-01-1Furfural (I)U124110-00-9Furfuran (I)U20618883-66-4Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-U20618883-66-4D-Glucose, 2-deoxy-2-([(methylnitrosoamino)-carbonyl]amino]-U126765-34-4GlycidylaldehydeU127118-74-1HexachlorobenzeneU12887-68-3HexachlorobenzeneU13077-47-4HexachlorobendeneU13167-72-1HexachloropheneU2431888-71-7HexachloropheneU133302-01-2Hydrazine, 1,2-diethyl-U09857-14-7Hydrazine, 1,2-diethyl-U199122-66-7Hydrazine, 1,2-diethyl-U199122-66-7Hydrazine, 1,2-diethyl-U1347664-39-3Hydrogen fluorica cid (C,T)U1357783-06-4Hydrogen sulfide H2S	U120	206-44-0	Fluoranthene
U123 $64-18-6$ Formic acid (C,T)U124110-00-9Furan (I)U125 $98-01-1$ 2-Furancarboxaldehyde (I)U127108-31-62,5-FurandioneU213109-99-9Furan, tetrahydro-(I)U125 $98-01-1$ Furfural (I)U124110-00-9Furfuran (I)U20618883-66-4Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-U20618883-66-4D-Glucose, 2-deoxy-2-([(methylnitrosoamino)-carbonyl]amino]-U125 $765-34-4$ GlycidylaldehydeU163 $70-25-7$ Guanidine, N-methyl-N'-nitro-N-nitroso-U127118-74-1HexachlorobutadieneU130 $77-47-4$ HexachlorobutadieneU131 $67-72-1$ HexachloropheneU133 $302-01-2$ Hydrazine (R,T)U0861615-80-1Hydrazine, 1,2-diethyl-U10957-14-7Hydrazine, 1,2-diethyl-U109122-66-7Hydrazine, 1,2-dimethyl-U134 $7664-39-3$ Hydrogen sulfideU135 $7783-06-4$ Hydrogen sulfide H2S	U122	50-00-0	Formaldehyde
U124110-00-9Furan (I)U125 $98-01-1$ 2 -Furancarboxaldehyde (I)U147 $108-31-6$ 2 ,5-FurandioneU213 $109-99-9$ 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 $765-34-4$ GlycidylaldehydeU163 $70-25-7$ Guanidine, N-methyl-N'-nitro-N-nitroso-U127 $118-74-1$ HexachlorobenzeneU128 $87-68-3$ HexachlorocyclopentadieneU130 $77-47-4$ HexachlorocyclopentadieneU131 $67-72-1$ HexachloropheneU243 $1888-71-7$ HexachloropheneU133 $302-01-2$ Hydrazine, $1,2$ -diethyl-U098 $57-14-7$ Hydrazine, $1,2$ -diethyl-U109 $122-66-7$ Hydrazine, $1,2$ -diethyl-U134 $7664-39-3$ Hydrogen sulfideU135 $7783-06-4$ Hydrogen sulfide H2S	U123	64-18-6	Formic acid (C,T)
U125 $98-01-1$ 2 -Furancarboxaldehyde (I)U147108-31-6 $2,5$ -FurandioneU213109-99-9Furan, tetrahydro-(I)U125 $98-01-1$ Furfural (I)U124110-00-9Furfuran (I)U20618883-66-4Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-U20618883-66-4D-Glucose, 2-deoxy-2-([(methylnitrosoamino)-carbonyl]amino]-U126765-34-4GlycidylaldehydeU127118-74-1HexachlorobenzeneU12887-68-3HexachlorocyclopentadieneU13077-47-4HexachlorocyclopentadieneU13167-72-1HexachloropheneU2431888-71-7HexachloropheneU133302-01-2Hydrazine, 1,2-diethyl-U099540-73-8Hydrazine, 1,2-diethyl-U109122-66-7Hydrazine, 1,2-dimethyl-U1347664-39-3Hydrogen sulfide (C,T)U1357783-06-4Hydrogen sulfide H2S	U124	110-00-9	Furan (I)
U147108-31-62,5-FurandioneU213109-99-9Furan, tetrahydro-(I)U12598-01-1Furfural (I)U124110-00-9Furfuran (I)U2061883-66-4Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-U2061883-66-4D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-U126765-34-4GlycidylaldehydeU16370-25-7Guanidine, N-methyl-N'-nitro-N-nitroso-U127118-74-1HexachlorobenzeneU12887-68-3HexachlorocyclopentadieneU13077-47-4HexachlorocthaneU13167-72-1HexachloropheneU2431888-71-7HexachloropheneU133302-01-2Hydrazine, 1,2-diethyl-U09857-14-7Hydrazine, 1,2-diethyl-U099540-73-8Hydrazine, 1,2-dimethyl-U1347664-39-3Hydrogen sulfideU1357783-06-4Hydrogen sulfideU1357783-06-4Hydrogen sulfide	U125	98-01-1	2-Furancarboxaldehyde (I)
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 $765-34-4$ GlycidylaldehydeU163 $70-25-7$ Guanidine, N-methyl-N'-nitro-N-nitroso-U127 $118-74-1$ HexachlorobenzeneU128 $87-68-3$ HexachlorocyclopentadieneU130 $77-47-4$ HexachlorotenaneU131 $67-72-1$ HexachloropheneU132 $70-30-4$ HexachloropheneU133 $302-01-2$ Hydrazine (R,T)U0861615-80-1Hydrazine, 1,2-diethyl-U099 $540-73-8$ Hydrazine, 1,2-dimethyl-U109122-66-7Hydrazine, 1,2-dimethyl-U134 $7664-39-3$ Hydrogen fluoride (C,T)U135 $7783-06-4$ Hydrogen sulfideU135 $7783-06-4$ Hydrogen sulfide	U147	108-31-6	2,5-Furandione
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 $765-34-4$ GlycidylaldehydeU163 $70-25-7$ Guanidine, N-methyl-N'-nitro-N-nitroso-U127 $118-74-1$ HexachlorobenzeneU128 $87-68-3$ HexachlorobutadieneU130 $77-47-4$ HexachlorocyclopentadieneU131 $67-72-1$ HexachloropheneU243 $1888-71-7$ HexachloropheneU133 $302-01-2$ Hydrazine (R,T)U086 $1615-80-1$ Hydrazine, $1,2$ -diethyl-U099 $540-73-8$ Hydrazine, $1,2$ -dimethyl-U199 $122-66-7$ Hydrazine, $1,2$ -dimethyl-U134 $7664-39-3$ Hydrogen sulfideU135 $7783-06-4$ Hydrogen sulfide	U213	109-99-9	Furan, tetrahydro-(I)
U124110-00-9Furfuran (I)U20618883-66-4Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-U20618883-66-4D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-U126765-34-4GlycidylaldehydeU16370-25-7Guanidine, N-methyl-N'-nitro-N-nitroso-U127118-74-1HexachlorobenzeneU12887-68-3HexachlorocyclopentadieneU13077-47-4HexachlorocyclopentadieneU13167-72-1HexachloropheneU13270-30-4HexachloroppeneU133302-01-2Hydrazine (R,T)U0861615-80-1Hydrazine, 1,2-diethyl-U099540-73-8Hydrazine, 1,2-dimethyl-U109122-66-7Hydrazine, 1,2-dimethyl-U1347664-39-3Hydrogen sulfide H2SU1357783-06-4Hydrogen sulfide H2S	U125	98-01-1	Furfural (I)
U20618883-66-4Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-U20618883-66-4D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-U126765-34-4GlycidylaldehydeU16370-25-7Guanidine, N-methyl-N'-nitro-N-nitroso-U127118-74-1HexachlorobenzeneU12887-68-3HexachlorocyclopentadieneU13077-47-4HexachlorocyclopentadieneU13167-72-1HexachloropheneU2431888-71-7HexachloropropeneU133302-01-2Hydrazine (R,T)U09857-14-7Hydrazine, 1,2-diethyl-U109122-66-7Hydrazine, 1,2-dimethyl-U1347664-39-3Hydrogen fluoride (C,T)U1357783-06-4Hydrogen sulfide H2S	U124	110-00-9	Furfuran (I)
U206 $18883-66-4$ D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-U126 $765-34-4$ GlycidylaldehydeU163 $70-25-7$ Guanidine, N-methyl-N'-nitro-N-nitroso-U127 $118-74-1$ HexachlorobenzeneU128 $87-68-3$ HexachlorocyclopentadieneU130 $77-47-4$ HexachlorocyclopentadieneU131 $67-72-1$ HexachloropheneU243 $1888-71-7$ HexachloropropeneU133 $302-01-2$ Hydrazine (R,T)U0861615-80-1Hydrazine, 1,2-diethyl-U099 $540-73-8$ Hydrazine, 1,2-dimethyl-U134 $7664-39-3$ Hydrogen fluoride (C,T)U135 $7783-06-4$ Hydrogen sulfide H2S	U206	18883-66-4	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-, D-
U126765-34-4GlycidylaldehydeU16370-25-7Guanidine, N-methyl-N'-nitro-N-nitroso-U127118-74-1HexachlorobenzeneU12887-68-3HexachlorobutadieneU13077-47-4HexachlorocyclopentadieneU13167-72-1HexachloropheneU13270-30-4HexachloroppeneU133302-01-2Hydrazine (R,T)U0861615-80-1Hydrazine, 1,2-diethyl-U09857-14-7Hydrazine, 1,1-dimethyl-U109122-66-7Hydrazine, 1,2-dimethyl-U1347664-39-3Hydrogen fluoride (C,T)U1357783-06-4Hydrogen sulfide H2S	U206	18883-66-4	D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-
U163 $70-25-7$ Guanidine, N-methyl-N'-nitro-N-nitroso-U127118-74-1HexachlorobenzeneU128 $87-68-3$ HexachlorobutadieneU130 $77-47-4$ HexachlorocyclopentadieneU131 $67-72-1$ HexachloroethaneU132 $70-30-4$ HexachloropheneU2431888-71-7HexachloropropeneU133 $302-01-2$ Hydrazine (R,T)U0861615-80-1Hydrazine, 1,2-diethyl-U098 $57-14-7$ Hydrazine, 1,2-dimethyl-U199540-73-8Hydrazine, 1,2-dimethyl-U1347664-39-3Hydrogen fluoride (C,T)U1357783-06-4Hydrogen sulfideU1357783-06-4Hydrogen sulfide H2S	U126	765-34-4	Glycidylaldehyde
U127118-74-1HexachlorobenzeneU128 $87-68-3$ HexachlorobutadieneU130 $77-47-4$ HexachlorocyclopentadieneU131 $67-72-1$ HexachloroethaneU132 $70-30-4$ HexachloropheneU2431888-71-7HexachloropropeneU133 $302-01-2$ Hydrazine (R,T)U0861615-80-1Hydrazine, 1,2-diethyl-U098 $57-14-7$ Hydrazine, 1,1-dimethyl-U109122-66-7Hydrazine, 1,2-diphenyl-U134 $7664-39-3$ Hydrogen fluoric acid (C,T)U135 $7783-06-4$ Hydrogen sulfideU135 $7783-06-4$ Hydrogen sulfide H2S	U163	70-25-7	Guanidine, N-methyl-N'-nitro-N-nitroso-
U128 $87-68-3$ HexachlorobutadieneU130 $77-47-4$ HexachlorocyclopentadieneU131 $67-72-1$ HexachloropthaneU132 $70-30-4$ HexachloroppeneU243 $1888-71-7$ HexachloropropeneU133 $302-01-2$ Hydrazine (R,T)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 $7664-39-3$ Hydrogen fluoric acid (C,T)U135 $7783-06-4$ Hydrogen sulfideU135 $7783-06-4$ Hydrogen sulfide H2S	U127	118-74-1	Hexachlorobenzene
U130 $77-47-4$ HexachlorocyclopentadieneU131 $67-72-1$ HexachloroethaneU132 $70-30-4$ HexachloropheneU243 $1888-71-7$ HexachloropropeneU133 $302-01-2$ Hydrazine (R,T)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 $7664-39-3$ Hydrogen fluoride (C,T)U135 $7783-06-4$ Hydrogen sulfideU135 $7783-06-4$ Hydrogen sulfide H2S	U128	87-68-3	Hexachlorobutadiene
U131 $67-72-1$ HexachloroethaneU132 $70-30-4$ HexachloropheneU243 $1888-71-7$ HexachloropropeneU133 $302-01-2$ Hydrazine (R,T)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 $7664-39-3$ Hydrogen fluoride (C,T)U135 $7783-06-4$ Hydrogen sulfideU135 $7783-06-4$ Hydrogen sulfide H2S	U130	77-47-4	Hexachlorocyclopentadiene
U132 $70-30-4$ HexachloropheneU2431888-71-7HexachloropropeneU133 $302-01-2$ Hydrazine (R,T)U0861615-80-1Hydrazine, 1,2-diethyl-U098 $57-14-7$ Hydrazine, 1,1-dimethyl-U099 $540-73-8$ Hydrazine, 1,2-dimethyl-U109122-66-7Hydrazine, 1,2-diphenyl-U1347664-39-3Hydrofluoric acid (C,T)U135 $7783-06-4$ Hydrogen sulfideU135 $7783-06-4$ Hydrogen sulfide H2S	U131	67-72-1	Hexachloroethane
U243 1888-71-7 Hexachloropropene U133 302-01-2 Hydrazine (R,T) 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 Hydrogen fluoride (C,T) U135 7783-06-4 Hydrogen sulfide U135 7783-06-4 Hydrogen sulfide H2S	U132	70-30-4	Hexachlorophene
U133 302-01-2 Hydrazine (R,T) 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 Hydrogen fluoric acid (C,T) U135 7783-06-4 Hydrogen sulfide U135 7783-06-4 Hydrogen sulfide H2S	U243	1888-71-7	Hexachloropropene
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 Hydrogen fluoric acid (C,T) U135 7783-06-4 Hydrogen sulfide U135 7783-06-4 Hydrogen sulfide	U133	302-01-2	Hydrazine (R,T)
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 Hydrogen fluoric acid (C,T) U135 7783-06-4 Hydrogen sulfide U135 7783-06-4 Hydrogen sulfide H2S	U086	1615-80-1	Hydrazine, 1,2-diethyl-
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 H2S	U098	57-14-7	Hydrazine, 1,1-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 H2S	U099	540-73-8	Hydrazine, 1,2-dimethyl-
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	U109	122-66-7	Hydrazine, 1,2-diphenyl-
U134 7664-39-3 Hydrogen fluoride (C,T) U135 7783-06-4 Hydrogen sulfide U135 7783-06-4 Hydrogen sulfide	U134	7664-39-3	Hydrofluoric acid (C,T)
U135 7783-06-4 Hydrogen sulfide U135 7783-06-4 Hydrogen sulfide H2S	U134	7664-39-3	Hydrogen fluoride (C,T)
U135 7783-06-4 Hydrogen sulfide H2S	U135	7783-06-4	Hydrogen sulfide
	U135	7783-06-4	Hydrogen sulfide H2S



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]pvrene
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)tetrahvdroxytri-
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	Melnhalan
U151	7439-97-6	Mercury
U152	126-98-7	Methacrylonitrile (I_T)
U092	120-90-7	Methanamine N-methyl- (I)
1029	74-83-9	Methane hromo-
11045	74-87-3	Methane, chloro- (L.T)
U046	107-30-2	Methane chloromethoxy-
U068	74-95-3	Methane, dibromo-
11080	75-09-2	Methane, dichloro-
1075	75-71-8	Methane, dichlorodifluoro-
U138	74-88-4	Methane iodo-
U110	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-
U223	67-66-3	Methane, trichloro-
U121	75-69-/	Methane, trichlorofluoro
U036	57_74_9	4.7 Methano 1 H-indene 1.2456788 octachloro 2.33 47.7
0050	57-74-9	+,/-wethano-111-indene, 1,2,+,5,0,7,8,8-0etaemoro-2,5,3a,+,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
U080	75-09-2	Methylene chloride



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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-hexop	yranosyl)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'-divl)bis(azo)bis[5-amino-4-hvdroxy]-, 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
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-
0.000		chloroethyl)tetrahydro 2-oxide
U115	75-21-8	Oxirane (LT)
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-



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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-
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)
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- (1,T)
U008	/9-10-/	2-Propenoic acid (1)
U113	140-88-5	2-Propenoic acid, ethyl ester (1)
UII8	97-63-2	2-Propenoic acid, 2-methyl-, ethyl ester
U162	80-62-6	2-Propenoic acid, 2-methyl-, methyl ester (1,1)
U373	122-42-9	Propham
U411	114-26-1	Propoxur
U38/	52888-80-9	Prosultocarb
U194	10/-10-8	n-propylamine (1,1)
UU83	/8-8/-3	Propylene dichloride
U148	123-33-1	5,0-PyridaZinedione, 1,2-dinydro-
U190	110-80-1	
U191	109-06-8	Pyriaine, 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
U202	\1\	81-07-2	Saccharin, & salts
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 SeS2 (R,T)
U015		115-02-6	L-Serine, diazoacetate (ester)
See F027		93-72-1	Silvex (2,4,5-TP)
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 [(H2N)C(S)]2 S2, 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.
U011		61-82-5	1H-1,2,4-Triazol-3-amine
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	2,4,6-1richlorophenol
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-



Policies, Programs and Procedures

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-
		trir	nethoxybenzoyl)oxy]-, methyl ester, (3beta,16beta,17alpha,18beta,20alpha)-
U249		1314-84-7	Zinc phosphide Zn3P2, when present at concentrations of 10% or
			less

\1\ CAS Number given for parent compound only.

[45 FR 78529, 78541, Nov. 25, 1980]

Editorial Note: For Federal Register citations affecting Sec. 261.33, see the List of CFR Sections Affected in the Finding Aids section of this volume.

Appendix B: US EPA Toxic Characteristic Wastes (TCLP List)

i. "D" List – Characteristic Waste

Environmental Health and Safety

Sec. 261.21 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 deg.C (140 deg.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 Sec. 260.11), or a Setaflash Closed Cup Tester, using the test method specified in ASTM Standard D-3278-78 (incorporated by reference, see Sec. 260.11), or a Setaflash Closed Cup Tester, using the test method specified in ASTM Standard D-3278-78 (incorporated by reference, see Sec. 260.11), or as determined by an equivalent test method approved by the Administrator under procedures set forth in Secs. 260.20 and 260.21.

(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 as defined in 49 CFR 173.300 and as determined by the test methods described in that regulation or equivalent test methods approved by the Administrator under Secs. 260.20 and 260.21.

(4) It is an oxidizer as defined in 49 CFR 173.151.

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

[45 FR 33119, May 19, 1980, as amended at 46 FR 35247, July 7, 1981; 55 FR 22684, June 1, 1990]

Sec. 261.22 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 9040 in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in Sec. 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 deg.C (130 deg.F) as determined by the test method specified in NACE (National Association of Corrosion Engineers) Standard TM-01-69 as standardized in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in Sec. 260.11 of this chapter.

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

[45 FR 33119, May 19, 1980, as amended at 46 FR 35247, July 7, 1981; 55 FR 22684, June 1, 1990; 58 FR 46049, Aug. 31, 1993]

Sec. 261.23 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 173.51, or a Class A explosive as defined in 49 CFR 173.53 or a Class B explosive as defined in 49 CFR 173.88.

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

[45 FR 33119, May 19, 1980, as amended at 55 FR 22684, June 1, 1990]

Sec. 261.24 Toxicity characteristic.

(a) A solid 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 Sec. 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 I which corresponds to the toxic contaminant causing it to be hazardous.

Table 1--Maximum Concentration of Contaminants for the Toxicity Characteristic

HZW No. \1\	Contaminant	CAS No. \2\	Regulatory Level (mg/L)
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 \4\	200.0
D024	m-Cresol	108-39-4 \4\	200.0
D025	p-Cresol	106-44-5 \4\	200.0
D026	Cresol	\4\	200.0
D016	2,4-D	94-75-7	10.0



Policies, Programs and Procedures

D0271,4-Dichlorobenzene106-46-77.5D0281,2-Dichloroethane107-06-20.5D0291,1-Dichloroethylene75-35-40.7D0302,4-Dinitrotoluene121-14-2 \Im 0.13D012Endrin72-20-80.02D031Heptachlor (and its epoxide)76-44-80.00D032Hexachlorobenzene118-74-1 \Im 0.13D033Hexachlorobutadiene87-68-30.5D034Hexachloroethane67-72-13.0D008Lead7439-92-15.0D013Lindane58-89-90.4D009Mercury7439-97-60.2D014Methoxychlor72-43-510.0D035Methyl ethyl ketone78-93-3200.D036Nitrobenzene98-95-32.0D037Pentachlorophenol87-86-5100.D038Pyridine110-86-1 \Im 5.0D010Selenium7782-49-21.0D011Silver7440-22-45.0D039Tetrachloroethylene127-18-40.7D015Toxaphene8001-35-20.5				
D0281,2-Dichloroethane107-06-20.5D0291,1-Dichloroethylene75-35-40.7D0302,4-Dinitrotoluene121-14-2 \backslash 0.13D012Endrin72-20-80.02D031Heptachlor (and its epoxide)76-44-80.00D032Hexachlorobenzene118-74-1 \backslash 0.13D033Hexachlorobutadiene87-68-30.5D034Hexachloroethane67-72-13.0D008Lead7439-92-15.0D013Lindane58-89-90.4D009Mercury7439-97-60.2D014Methoxychlor72-43-510.0D035Methyl ethyl ketone78-93-3200.0D037Pentachlorophenol87-86-5100.0D038Pyridine110-86-1 \backslash 5.0D010Selenium7782-49-21.0D011Silver7440-22-45.0D039Tetrachloroethylene127-18-40.7D015Toxaphene8001-35-20.5	0027	1,4-Dichlorobenzene	106-46-7	7.5
D0291,1-Dichloroethylene75-35-40.7D0302,4-Dinitrotoluene121-14-2 3 0.13D012Endrin72-20-80.02D031Heptachlor (and its epoxide)76-44-80.00D032Hexachlorobenzene118-74-1 3 0.13D033Hexachlorobutadiene87-68-30.5D034Hexachloroethane67-72-13.0D008Lead7439-92-15.0D013Lindane58-89-90.4D009Mercury7439-97-60.2D014Methoxychlor72-43-510.0D035Methyl ethyl ketone78-93-3200.1D038Pyridine110-86-1 3 5.0D010Selenium7782-49-21.0D011Silver7440-22-45.0D039Tetrachloroethylene127-18-40.7D015Toxaphene8001-35-20.5	0028	1,2-Dichloroethane	107-06-2	0.5
D0302,4-Dinitrotoluene $121-14-2$ 3 0.13D012Endrin $72-20-8$ 0.02D031Heptachlor (and its epoxide) $76-44-8$ 0.00D032Hexachlorobenzene $118-74-1$ 3 0.13D033Hexachlorobutadiene $87-68-3$ 0.5D034Hexachloroethane $67-72-1$ 3.0D008Lead $7439-92-1$ 5.0D013Lindane $58-89-9$ 0.4D009Mercury $7439-97-6$ 0.2D014Methoxychlor $72-43-5$ 10.0D035Methyl ethyl ketone $78-93-3$ 200.1D036Nitrobenzene $98-95-3$ 2.0D037Pentachlorophenol $87-86-5$ 100.1D038Pyridine $110-86-1$ 3 5.0D010Selenium $7782-49-2$ 1.0D011Silver $7440-22-4$ 5.0D039Tetrachloroethylene $127-18-4$ 0.7D015Toxaphene $8001-35-2$ 0.5	0029	1,1-Dichloroethylene	75-35-4	0.7
D012Endrin $72-20-8$ 0.02 D031Heptachlor (and its epoxide) $76-44-8$ 0.00 D032Hexachlorobenzene $118-74-1$ \3\ 0.13 D033Hexachlorobutadiene $87-68-3$ 0.5 D034Hexachloroethane $67-72-1$ 3.0 D008Lead $7439-92-1$ 5.0 D013Lindane $58-89-9$ 0.4 D009Mercury $7439-97-6$ 0.2 D014Methoxychlor $72-43-5$ 10.0 D035Methyl ethyl ketone $78-93-3$ 200.7 D036Nitrobenzene $98-95-3$ 2.0 D037Pentachlorophenol $87-86-5$ 100.7 D010Selenium $7782-49-2$ 1.0 D011Silver $7440-22-4$ 5.0 D039Tetrachloroethylene $127-18-4$ 0.7 D015Toxaphene $8001-35-2$ 0.5	0030	2,4-Dinitrotoluene	121-14-2 \3\	0.13
D031Heptachlor (and its epoxide) $76-44-8$ 0.00 D032Hexachlorobenzene $118-74-1$ 3 0.13 D033Hexachlorobutadiene $87-68-3$ 0.5 D034Hexachloroethane $67-72-1$ 3.0 D008Lead $7439-92-1$ 5.0 D013Lindane $58-89-9$ 0.4 D009Mercury $7439-97-6$ 0.2 D014Methoxychlor $72-43-5$ 10.0 D035Methyl ethyl ketone $78-93-3$ 200.4 D036Nitrobenzene $98-95-3$ 2.0 D038Pyridine $110-86-1$ 3 5.0 D010Selenium $7782-49-2$ 1.0 D011Silver $7440-22-4$ 5.0 D039Tetrachloroethylene $127-18-4$ 0.7 D015Toxaphene $8001-35-2$ 0.5	0012	Endrin	72-20-8	0.02
D032Hexachlorobenzene $118-74-1$ 3 0.13 D033Hexachlorobutadiene $87-68-3$ 0.5 D034Hexachloroethane $67-72-1$ 3.0 D008Lead $7439-92-1$ 5.0 D013Lindane $58-89-9$ 0.4 D009Mercury $7439-97-6$ 0.2 D014Methoxychlor $72-43-5$ 10.0 D035Methyl ethyl ketone $78-93-3$ 200.0 D036Nitrobenzene $98-95-3$ 2.0 D037Pentachlorophenol $87-86-5$ 100.0 D038Pyridine $110-86-1$ 3 5.0 D010Selenium $7782-49-2$ 1.0 D011Silver $7440-22-4$ 5.0 D039Tetrachloroethylene $127-18-4$ 0.7 D015Toxaphene $8001-35-2$ 0.5	0031	Heptachlor (and its epoxide)	76-44-8	0.008
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D008Lead $7439-92-1$ 5.0 D013Lindane $58-89-9$ 0.4 D009Mercury $7439-97-6$ 0.2 D014Methoxychlor $72-43-5$ 10.0 D035Methyl ethyl ketone $78-93-3$ $200.$ D036Nitrobenzene $98-95-3$ 2.0 D037Pentachlorophenol $87-86-5$ 100.7 D038Pyridine $110-86-1$ 3 5.0 D010Selenium $7782-49-2$ 1.0 D011Silver $7440-22-4$ 5.0 D039Tetrachloroethylene $127-18-4$ 0.7 D015Toxaphene $8001-35-2$ 0.5	0034	Hexachloroethane	67-72-1	3.0
D013Lindane $58-89-9$ 0.4 D009Mercury $7439-97-6$ 0.2 D014Methoxychlor $72-43-5$ 10.0 D035Methyl ethyl ketone $78-93-3$ $200.$ D036Nitrobenzene $98-95-3$ 2.0 D037Pentachlorophenol $87-86-5$ $100.$ D038Pyridine $110-86-1$ \3\ 5.0 D010Selenium $7782-49-2$ 1.0 D011Silver $7440-22-4$ 5.0 D039Tetrachloroethylene $127-18-4$ 0.7 D015Toxaphene $8001-35-2$ 0.5	0008	Lead	7439-92-1	5.0
$\begin{array}{llllllllllllllllllllllllllllllllllll$	0013	Lindane	58-89-9	0.4
D014Methoxychlor $72-43-5$ 10.0D035Methyl ethyl ketone $78-93-3$ 200.D036Nitrobenzene $98-95-3$ 2.0D037Pentachlorophenol $87-86-5$ 100.D038Pyridine $110-86-1$ 3 5.0D010Selenium $7782-49-2$ 1.0D011Silver $7440-22-4$ 5.0D039Tetrachloroethylene $127-18-4$ 0.7 D015Toxaphene $8001-35-2$ 0.5	0009	Mercury	7439-97-6	0.2
D035 Methyl ethyl ketone 78-93-3 200. D036 Nitrobenzene 98-95-3 2.0 D037 Pentachlorophenol 87-86-5 100. D038 Pyridine 110-86-1 \3\ 5.0 D010 Selenium 7782-49-2 1.0 D011 Silver 7440-22-4 5.0 D039 Tetrachloroethylene 127-18-4 0.7 D015 Toxaphene 8001-35-2 0.5	0014	Methoxychlor	72-43-5	10.0
D036 Nitrobenzene 98-95-3 2.0 D037 Pentachlorophenol 87-86-5 100. D038 Pyridine 110-86-1 \3\ 5.0 D010 Selenium 7782-49-2 1.0 D011 Silver 7440-22-4 5.0 D039 Tetrachloroethylene 127-18-4 0.7 D015 Toxaphene 8001-35-2 0.5	0035	Methyl ethyl ketone	78-93-3	200.0
D037Pentachlorophenol87-86-5100.D038Pyridine110-86-1 \3\5.0D010Selenium7782-49-21.0D011Silver7440-22-45.0D039Tetrachloroethylene127-18-40.7D015Toxaphene8001-35-20.5	0036	Nitrobenzene	98-95-3	2.0
D038Pyridine110-86-1\3\5.0D010Selenium7782-49-21.0D011Silver7440-22-45.0D039Tetrachloroethylene127-18-40.7D015Toxaphene8001-35-20.5	0037	Pentachlorophenol	87-86-5	100.0
D010Selenium7782-49-21.0D011Silver7440-22-45.0D039Tetrachloroethylene127-18-40.7D015Toxaphene8001-35-20.5	0038	Pyridine	110-86-1 \3\	5.0
D011Silver7440-22-45.0D039Tetrachloroethylene127-18-40.7D015Toxaphene8001-35-20.5	0010	Selenium	7782-49-2	1.0
D039 Tetrachloroethylene 127-18-4 0.7 D015 Toxaphene 8001-35-2 0.5	0011	Silver	7440-22-4	5.0
D015 Toxaphene 8001-35-2 0.5	0039	Tetrachloroethylene	127-18-4	0.7
	0015	Toxaphene	8001-35-2	0.5
D040 Trichloroethylene 79-01-6 0.5	0040	Trichloroethylene	79-01-6	0.5
D041 2,4,5-Trichlorophenol 95-95-4 400.4	0041	2,4,5-Trichlorophenol	95-95-4	400.0
D042 2,4,6-Trichlorophenol 88-06-2 2.0	0042	2,4,6-Trichlorophenol	88-06-2	2.0
D017 2,4,5-TP (Silvex) 93-72-1 1.0	017	2,4,5-TP (Silvex)	93-72-1	1.0
D043 Vinyl chloride 75-01-4 0.2	0043	Vinyl chloride	75-01-4	0.2

\1\ EPA Hazardous waste number.

\2\ Chemical abstracts service number.

\3\ Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.

\4\ 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.

[55 FR 11862, Mar. 29, 1990, as amended at 55 FR 22684, June 1, 1990; 55 FR 26987, June 29, 1990; 58 FR 46049, Aug. 31, 1993]

Appendix C: Connecticut Regulated Waste

<u>Waste #</u>	Waste Name	Description
CR01	Waste PCBs	are any waste material containing or contaminated by PCBs (Polychlorinated Biphenyls) in concentrations at or above 50 ppm (parts per million). These include, but are not limited to, PCB oils, items and equipment.
CR02	Waste Oil	is oil or petroleum that is no longer suitable for the services for which it was manufactured due to the presence of impurities or a loss of original properties, and IS NOT MISCIBLE in water. These include, but are not limited to, crude oil, fuel oil, lubricating oil, kerosine, diesel fuel, motor oil, non-halogenated oil, and oils that are recovered from oil separators, oil spills, or tank bottoms.
CR03	Waste Water Soluble Oil	is oil or petroleum that is no longer suitable for the services for which it was manufactured due to the presence of impurities or a loss of original properties, and IS MISCIBLE in water. These include, but are not limited to, cutting oil emulsions or coolants.
CR04	Waste Chemical Liquids	are any wastes that are liquid, free flowing and/or contains free draining liquids AND are toxic, hazardous to handle and/or may cause contamination or ground and/or surface water if improperly managed. These wastes may include, but are not limited to paint wastes, grinding wastes, and waste sludges.
CR05	Waste Chemical Solids	means any chemical solid or semi-solid from a commercial, industrial, agricultural, or community activity.