

Characteristic Waste

Description

Is it Characteristic?

Does the waste exhibit any of the following properties? If **YES** – it is hazardous waste.

[su_spoiler style="fancy" icon="chevron" title=" Is it Ignitable? "]

- Liquids which have a flash point of less than 140°F (60.5°C)
- Flammable solids
- Flammable compressed gases
- Oxidizers/Peroxides

[/su_spoiler] [su_spoiler style="fancy" icon="chevron" title=" Is it Corrosive? "]

- **pH ? 2**
 - Inorganic acids – digestion wastes, acid baths
 - Organic acids – HPLC liquids, (formic, glacial acetic, trifluoroacetic)
- **pH ? 12.5**
 - Bases/Alkalines – base baths
 - hydroxides, lysis buffers

[/su_spoiler] [su_spoiler style="fancy" icon="chevron" title=" Is it Reactive? "]

- Compounds that are normally **unstable** and readily undergo violent change without detonation (diethyl zinc, organometallic substances)
- Compounds that **react violently with water to liberate flammable or corrosive gases** (anhydrous metal salts, alkali metals, metal hydrides, silanes)
- **Cyanide and sulfides** which can generate toxic gases, vapors, or fumes
- Compounds **capable of detonation or explosion**, either when initiated or due to decomposition or reaction at STP

[/su_spoiler] [su_spoiler style="fancy" icon="chevron" title=" Is it Toxic? "]

Waste containing ppm (0.0001%) levels of any of the following:

METALS	PESTICIDES	ORGANIC COMPOUNDS	
Arsenic	Chlordane	Benzene,	Carbon Tetrachloride
Barium	Endrin	Chloroform,	Cresol (ortho, meta, para)
Cadmium	Heptachlor	1,4 dichlorobenzene,	Chlorobenzene
Chromium	Lindane	1,1 dichloroethylene	Pentachlorophenol

Lead	Methoxychlor	2,4 dinitrotoluene	Pyridine
Mercury	Toxaphene	Hexachlorobenzene	Tetrachloroethylene
Silver	2,4-D	Hexachlorobutadiene	Trichloroethylene
Selenium	2,4,5-TP (Silvex)	Hexachloroethane	Vinyl Chloride
	2,4,6-Trichlorophenol	Nitrobenzene	
	2,4,5-Trichlorophenol	1,2 dichloroethane	

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Solid materials such as gloves, paper, filters, or soil that become contaminated with any of the toxic constituents also should be identified and collected.