

# Characteristic Hazardous Wastes

<p><b>1. Ignitable- D001</b></p>	<p>A waste exhibits the characteristic of ignitability if the waste exists in the following forms:</p> <ul style="list-style-type: none"> <li>○ a liquid, other than an aqueous solution containing less than 24 percent alcohol by volume, with a flash point below 60° (140°F);</li> <li>○ a non-liquid, which under standard conditions is capable of causing fire through friction, absorption of moisture, or spontaneous chemical changes and, when ignited, burns in a manner that creates a hazard</li> <li>○ an ignitable compressed gas, which includes gases that form flammable mixtures at a concentration of 13 percent or less in air; or</li> <li>○ an oxidizer, such as permanganate, inorganic peroxide, or nitrate, that readily stimulates combustion of organic materials.</li> </ul>
<p><b>2. Corrosives- D002</b></p>	<p>A waste exhibits the characteristic of corrosivity if the waste:</p> <ul style="list-style-type: none"> <li>○ is aqueous and has a pH less than or equal to 2, or greater than or equal to 12.5, using EPA-specified or approved test methods; or</li> <li>○ is a liquid and corrodes steel (SAE 1020) at a rate greater than 6.35 millimeters (0.250 inch) per year at a test temperature of 55° (130°).</li> </ul>
<p><b>3. Reactive- D003</b></p>	<p>A waste exhibits the characteristics of reactivity if the waste:</p> <ul style="list-style-type: none"> <li>○ is normally unstable and readily undergoes violent change without detonation;</li> <li>○ reacts violently with water;</li> <li>○ forms potentially explosive mixtures with water;</li> <li>○ generates, when mixed with water, toxic gases, vapors, or fumes in a quantity sufficient to present a danger</li> <li>○ is a cyanide or sulfide bearing waste that generates toxic gases, vapors, or fumes at a pH between 2 and 12.5;</li> <li>○ is capable of detonation or explosive reaction when subject to a strong initiating source or if heated in</li> </ul>

	<p>confinement;</p> <ul style="list-style-type: none"> <li>○ is readily capable of detonation, explosive decomposition, or reaction at standard temperature and pressure; or</li> <li>○ is an explosive, as defined in 49 CFR Sections 173.51, 173.53 or 173.88.</li> </ul>
<b>4. Toxicity- See "D" List Below</b>	<p>A waste exhibits the characteristic of toxicity when EPA-defined test procedures indicate that an extract derived from the waste contains certain toxicants. The toxicants to be tested for are:</p> <p>arsenic; barium; benzene; cadmium; carbon tetrachloride; chlordane; chlorobenzene; chloroform; chromium; o-, m- and p-cresol; 2,4-D; 1,4-dichlorobenzene; 1,2-dichloroethane; 1,1-dichloroethylene; 2,4-dinitrotoluene; Endrin; heptachlor (and its hydroxide); hexachlorobenzene; hexachlorobutadiene; hexachloroethane; lead; Lindane; mercury; methoxychlor; methyl ethyl ketone; nitrobenzene; pentachlorophenol; pyridine; selenium; silver; tetrachlorethylene, 2,4,5- and 2,4,6-trichlorophenol; 2,4,5-TP (Silvex); vinyl chloride.</p>

Toxicity Characteristic Constituents and Regulatory Levels (TCLP)			
EPA Waste No.	Constituent	CAS Number	Regulatory Level (mg/L)
D004	Arsenic	7440-38-2	5.0
D005	Barium	7440-39-3	100.0
D006	Cadmium	7440-43-9	1.0
D007	Chromium	7440-47-3	5.0
D008	Lead	7439-92-1	5.0
D009	Mercury	7439-97-6	0.2
D010	Selenium	7782-49-2	1.0
D011	Silver	7440-22-4	5.0
D012	Endrin	72-20-8	0.02
D013	Lindane	58-89-9	0.4
D014	Methoxychlor	72-43-5	10.0
D015	Toxaphene	8000-35-2	0.5
D016	2,4-D	94-75-7	10.0
D017	2,4,5-TP (Silvex)	93-72-1	1.0
D018	Benzene	71-43-2	0.5

D019	Carbon Tetrachloride	56-23-5	0.5
D020	Chlordane	57-74-9	.03
D021	Chlorobenzene	108-90-7	100.0
D022	Chloroform	67-66-3	6.0
D023	o-Cresol	95-48-7	200.0
D024	m-Cresol	108-39-4	200.0
D025	p-Cresol	106-44-5	200.0
D026	Cresol	1319-77-3	200.0
D027	1,4-Dichlorobenzene	106-46-7	7.5
D028	1,2-Dichloroethane	107-06-2	0.5
D029	1,1-Dichloroethylene	75-35-4	0.7
D030	2,4-Dinitrotoluene	121-14-2	0.13
D031	Heptachlor (and its hydroxide)	76-44-8	0.008
D032	Hexachlorobenzene	118-74-1	0.13
D033	Hexachloro-1,3-butadiene	87-68-3	0.5
D034	Hexachloroethane	67-72-1	3.0
D035	Methyl ethyl ketone	78-93-3	200.0
D036	Nitrobenzene	98-95-3	2.0
D037	Pentachlorophenol	87-86-5	100.0
D038	Pyridine	100-86-1	5.0
D039	Tetrachloroethylene	127-18-4	0.7
D040	Trichloroethylene	79-01-6	0.5
D041	2,4,5-Trichlorophenol	95-95-4	400.0
D042	2,4,6-Trichlorophenol	88-06-2	2.0
D043	Vinyl chloride	75-01-4	0.2