

## **Characteristic Hazardous Wastes**

A waste is hazardous if it exhibits any of the following characteristics of a hazardous waste:

### Ignitable (40 CFR 261.21 D001)

A waste is characterized as ignitable if it displays any of the following properties:

- Has a flashpoint  $<140^{\circ}\text{F}$
- Is a nonliquid capable of spontaneous and sustained combustion
- Is an ignitable compressed gas per DOT regulations
- Is an oxidizer per DOT regulation

### Corrosive (40 CFR 261.22 D002)

A waste is characterized as corrosive if the  $\text{pH} \leq 2.0$  or  $\geq 12.5$ .

### Reactive (40 CFR 261.23 D003)

A waste is characterized as reactive if it exhibits the following properties:

- Normally unstable and reacts violently without detonating
- Reacts violently with water
- Forms an explosive mixture with water
- Generates toxic gases, vapors, or fumes when mixed with water
- Contains cyanide or sulfide and generates toxic gases, vapors, or fumes at a  $\text{pH}$  of between 2 and 12.5
- Capable of detonation if heated under confinement or subjected to strong initiating source
- Capable of detonation at standard temperature and pressure
- Listed by DOT as Class A or B explosive

### Toxic

A waste is characterized as toxic if the Toxicity Characteristics Leaching Procedure (TCLP) determines that the extract from the test possesses concentrations of toxic constituents that exceed the levels listed in a table.

EPA's Toxicity Characteristic Regulatory Levels

Old Constituents (mg/l)

Arsenic	5.0
Barium	100.0
Cadmium	1.0
Chromium	5.0
Lead	5.0
Mercury	0.2
Selenium	1.0
Silver	5.0
Endrin	0.02
Lindane	0.4
Methoxychlor	10.0
Toxaphene	0.5
2,4-Dichlorophenoxyacetic acid	10.0
2,4,5-Trichlorophenoxypropionic acid	1.0

New Constituents (mg/l)

Benzene	0.5
Carbon tetrachloride	0.5
Chlordane	0.003
Chlorobenzene	100.0
Chloroform	6.0
o-Cresol	200.0
m-Cresol	200.0
p-Cresol	200.0
1,4-Dichlorobenzene	7.5
1,2-Dichloroethane	0.5
1,1-Dichloroethylene	0.7
2,4-Dinitrotoluene	0.13
Heptachlor	0.008
Hexachlorobenzene	0.13
Hexachloro-1,3-butadiene	0.5
Hexachloroethane	3.0
Methyl ethyl ketone	200.0
Nitrobenzene	2.0
Pentachlorophenol	100.0
Pyridine	5.0
Tetrachloroethylene	0.7
Trichloroethylene	0.5
2,4,5-Trichlorophenol	400.0
2,4,6-Trichlorophenol	2.0
Vinyl chloride	0.2