

Hazardous Waste Determination Process

1) IS THE MATERIAL A WASTE?

Is it UNUSED, UNUSABLE, UNWANTED or SPILLED original product

OR

Is it a SPENT or USED product or MIXTURE

OR

Is it a CONTAMINATED SOLID

2) IS THE MATERIAL A CHARACTERISTIC WASTE? --Does the waste exhibit any of the following:

Is it Ignitable?

- Flammable Liquid-F.P. <140F/60C
- Flammable Solid – ignitable through friction
- Oxidizer
 - Nitrate
 - Peroxide
 - Per(sulfate, manganate, iodate)

Is it Corrosive?

- Liquid
- pH ≤ 2.0
- pH ≥ 12.5
- Solids do not meet definition

Is it Reactive?

- Unstable
- Explosive
- Reacts violently with air or water
- Sulfide or Cyanide bearing waste
- Reacts with water to generate toxic or flammable gas

Is it Toxic? -does it contain ppm (0.0001%) levels 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 | |

3) IS THE MATERIAL A LISTED WASTE?

P or U listed waste includes only unused products, dilutions or clean-up from spills
F-listed waste includes only spent solvents or mixtures

P-List

- Sodium Azide
- Sodium Cyanide
- Endosulfan
- Brucine
- 2,4-Dinitrophenol
- Vanadium Pentoxide

[Search P-List](#)

U-List

- Cyanogen Bromide
- Phenol
- Formaldehyde
- Acrylamide
- Dibutyl Phthalate
- Aniline

[Search U-List](#)

F-List

- Spent Solvents**
- Acetone
 - Ethyl Acetate
 - Methanol
 - Ethyl Ether
 - Methylene Chloride
 - Trichloroethane
 - Chlorobenzene

[Search F-List](#)

4) If your waste is Characteristic or Listed or Both, it must be managed as a Hazardous Waste

5) Hazardous Waste label is required on mixtures and original products that become waste. Constituents/Characteristics form basis of waste determination