

Waste Types (Classifications)

Is It A Waste?

| | | | |
|-----------------------------------|---------------------------------------------|------------------------------------|--------------------------------------------------------|
| Material is intended for disposal | Material is expired and/or no longer needed | Material is abandoned or discarded | Material is not being recycled or reused appropriately |
|-----------------------------------|---------------------------------------------|------------------------------------|--------------------------------------------------------|



Then, is the material Hazardous?

Hazardous Waste Determination is as follows:

| | | | |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Does it contain Toxic components over the limits in the TCLP Table (D list)? | Does it contain at least 10% of the components in the F Listed wastes? | Is it any of the wastes from the manufacturing processes in the K list? (not likely here) | Is it unused material that is identified in the P list for Acutely Hazardous or U list for Hazardous wastes? |
| | Solvent combinations of at least 10% sum total of volume (for types see F list below) | Specific types of wastes from processes such as electroplating and pigment production. | |
| Is it Ignitable? | Is it Reactive? | Is it Corrosive? | Is it considered Universal (Hazardous) Waste? (List below) |



If Not Hazardous, then falls under the Texas Industrial **Non-Hazardous** Categories

| Class 1 waste | Class 2 Waste | Class 3 Waste |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Is the waste Asbestos? | Is it a container less than 5 gal with residues and has been cleaned to the extent possible? | Inert, insoluble items such as large concrete slabs that cannot be dissolved in water. This category poses the least potential risk and effects on the environment. Very few items fall into this category. |
| Does it contain PCB's? | | |
| Does it contain oil or oil residue? | | |
| Is it a liquid with flash point of 140-150F or ignite readily? | Is it something that does not fit within the other definitions of waste? | |
| Is it a solid that would be corrosive with water added? | | |
| Does it contain amounts of Toxic Components listed in the Class 1 table? | | |
| Is it a container 5gal or larger with residues from Hazardous or Class 1 wastes? | | |

| D-List of Toxic Components (for hazardous waste) at or above the TCLP test level | | | | | |
|----------------------------------------------------------------------------------|-----------|----------------------|-----------|-----------------------|----------|
| Arsenic | 5 mg/L | 2,4-D | 10 mg/L | Methyl Ethyl Ketone | 200 mg/L |
| Barium | 100 mg/L | 1,4-Dichlorobenzene | 7.5 mg/L | Nitrobenzene | 2 mg/L |
| Benzene | 0.5 mg/L | 1,2-Dichloroethane | 0.5 mg/L | Pentachlorophenol | 100 mg/L |
| Cadmium | 1 mg/L | 1,1-Dichloroethylene | 0.7 mg/L | Pyridine | 5 mg/L |
| Carbon Tetrachloride | 0.5 mg/L | 2,4-Dinitrotoluene | 0.13 mg/L | Selenium | 1 mg/L |
| Chlordane | 0.03 mg/L | Endrin | 0.02 mg/L | Silver | 5 mg/L |
| Chlorobenzene | 100 mg/L | Heptachlor | 0.008mg/L | Tetrachloroethylene | 0.7 mg/L |
| Chloroform | 6 mg/L | Hexachlorobenzene | 0.13 mg/L | Toxaphene | 0.5 mg/L |
| Chromium | 5 mg/L | Hexachlorobutadiene | 0.5 mg/L | Trichloroethylene | 0.5 mg/L |
| o-Cresol | 200 mg/L | Hexachloroethane | 3 mg/L | 2,4,5-Trichlorophenol | 400 mg/L |
| m-Cresol | 200 mg/L | Lead | 5 mg/L | 2,4,6-Trichlorophenol | 2 mg/L |
| p-Cresol | 200 mg/L | Lindane | 0.4 mg/L | 2,4,5-TP(Silvex) | 1 mg/L |
| Cresol (total) | 200 mg/L | Mercury | 0.2 mg/L | Vinyl Chloride | 0.2 mg/L |
| | | Methoxychlor | 10 mg/L | | |

| F-listed solvents |
|------------------------|
| 2-Ethoxyethanol |
| 2-Nitropropane |
| Acetone |
| Benzene |
| Carbon Disulfide |
| Cresols |
| Cresylic acid |
| Cyclohexanone |
| Ethyl acetate |
| Ethyl benzene |
| Ethyl ether |
| Isobutanol |
| Methanol |
| Methyl Ethyl Ketone |
| Methyl isobutyl ketone |
| n-butyl alcohol |
| Nitrobenzene |
| Pyridine |
| Toluene |
| Xylene |

| Universal(ly Hazardous) Waste Categories |
|--------------------------------------------------------------|
| Batteries (other than Alkaline) |
| Pesticides (expired, outdated, unused) |
| Mercury containing equipment (such as thermostats) |
| Lamps (fluorescent bulbs, U-lamps, Metal Halide bulbs) |
| Paint and Paint Related Material (veneers, thinners, etc...) |

| Examples of P listed Acutely Hazardous wastes (out of about 200 listed) |
|-------------------------------------------------------------------------|
| Benzyl Chloride |
| Hydrogen Cyanide |
| 2,4-Dinitrophenol |
| Carbon Disulfide |
| Tetraethyl Lead |
| Zinc Phosphide (10% concentration or more) |

| Examples of U listed Hazardous wastes (out of about 400) |
|----------------------------------------------------------|
| Acetone |
| Cumene |
| Methyl Ethyl Ketone |
| Napthalene |
| Nitrobenzene |
| Oxirane |
| Tetrahydrofuran |