Hazardous Waste Labeling Rules

- All hazardous waste containers must have:
  - The words "Hazardous Waste"
  - The contents, including percentages for mixtures
  - An indication of the hazard(s) of the contents

- A completed yellow tag attached to the container when waste is first added meets these requirements
Waste Labeling Example

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>%</th>
<th>Check all that apply (check at least one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>80</td>
<td>IGNITABLE</td>
</tr>
<tr>
<td>Water</td>
<td>20</td>
<td>CORROSIVE, REACTIVE, TOXIC</td>
</tr>
</tbody>
</table>

Enter Chemical Name(s) and Percentage(s) *must add up to 100%

Check Appropriate Hazard(s) **use a permanent marker**
Ignitable Waste

- Liquids with a flash-point less than 140 degrees Fahrenheit
- Solids capable of causing fire through
  - friction
  - absorption of moisture
  - spontaneous chemical changes
- Compressed ignitable gases
- Oxidizers
Examples of Ignitable Wastes

• Gasoline, Acetone, Alcohols
• Lithium, Sodium
• Propane, Methane, Acetylene
• Ammonium Nitrate, HTH Chlorine
Corrosive Waste

• Aqueous solutions with a pH less than 2 or greater than 12.5
• Liquids which corrode steel (SAE 1020) at a rate greater than 6.35mm per year
• Examples:
  – Hydrochloric Acid, Sulfuric Acid, Acetic Acid
  – Sodium Hydroxide, Potassium Hydroxide
  – Elemental Mercury
Reactive Waste

• Any waste which is
  – normally unstable (pyrophorics)
  – reacts violently or generates toxic fumes when in contact with water
  – a cyanide or sulfide bearing chemical
  – capable of detonation
  – a forbidden explosive
Examples of Reactive Wastes

- Phosphorous
- Sodium, Potassium
- Sodium Cyanide, Sodium Sulfide
- TNT, Picric Acid
Toxic Waste

• Solid or Liquid wastes which contain a contaminant from the TCLP list (D004-D043)
• Certain Listed Wastes (especially “U” and “P” listed wastes)
• Examples:
  – Heavy Metals: Arsenic, Lead, Mercury
  – Solvents: MEK, Chloroform, Benzene
  – Certain Pesticides: 2,4-D, Endrin, Lindane
## Examples of Listed Toxic Wastes*

<table>
<thead>
<tr>
<th>“F” Listed</th>
<th>“U” Listed</th>
<th>“P” Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrachloroethylene</td>
<td>Acetonitrile</td>
<td>Arsenic pentoxide</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>1,4-dichloro-benzene</td>
<td>Benzyl chloride</td>
</tr>
<tr>
<td>Methylene chloride</td>
<td>1,4-Dichloro-2-butene</td>
<td>Carbon disulfide</td>
</tr>
<tr>
<td>1,1,1-trichloroethane</td>
<td>Ethylene oxide</td>
<td>Cyanides (soluble cyanide salts)</td>
</tr>
<tr>
<td>Carbon tetrachloride</td>
<td>Formaldehyde</td>
<td>Ethyleneimine</td>
</tr>
<tr>
<td>Nitrobenzene</td>
<td>Hydrazine</td>
<td>Fluorine</td>
</tr>
<tr>
<td>Toluene</td>
<td>Isobutyl alcohol</td>
<td>Heptachlor</td>
</tr>
<tr>
<td>Carbon disulfide</td>
<td>Methanethiol</td>
<td>Osmium tetroxide</td>
</tr>
<tr>
<td>Isobutanol</td>
<td>Methyl methacrylate</td>
<td>Sodium azide</td>
</tr>
<tr>
<td>Pyridine</td>
<td>Toluene diisocyanate</td>
<td>Vanadium pentoxide</td>
</tr>
</tbody>
</table>

* May have other hazards in addition to toxicity