

### Laboratory Hazardous Waste Determination

Applies to waste generated as the result of laboratory experiments.

**Does not apply to evaluation of unused chemicals, or spill clean-up materials.**

(Call Steve Langlois at x-2252 should you have questions.)

To determine if the chemical waste generated in the laboratory is a hazardous waste, answer the following questions. **If the answer to any question is yes**, then the waste is a hazardous waste. Answer all the questions for each waste to identify all the hazards associated with the waste and required on the label. Information on the characteristics (e.g., flash point) of chemicals can be found on the Material Safety Data Sheet (MSDS).

Waste Evaluation	Yes/No	If yes, Label:									
Contains Flammable solvents (flash point $\leq 140^{\circ}\text{F}$ ) Exception: aqueous solutions of $< 24\%$ ethyl alcohol		Flammable									
Contains halogenated compounds		Toxic									
Is Reactive (unstable materials, reacts with water to form potentially explosive mixtures or toxic gases, contains cyanides or sulfides, explosives)		Reactive									
Is an Oxidizer (materials that readily yields oxygen, or accepts electrons, to stimulate combustion)		Oxidizer									
Is a Flammable Solid (capable of catching fire through friction, adsorption of moisture or spontaneous changes)		Flammable									
Has a pH $\leq 2$ or $\geq 12.5$		Corrosive									
Contains any of the following metals at or above the concentration listed: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Arsenic 5ppm</td> <td style="padding: 2px;">Barium 100ppm</td> <td style="padding: 2px;">Cadmium 1ppm</td> </tr> <tr> <td style="padding: 2px;">Chromium 5ppm</td> <td style="padding: 2px;">Lead 5ppm</td> <td style="padding: 2px;">Mercury 0.2ppm</td> </tr> <tr> <td style="padding: 2px;">Selenium 1ppm</td> <td style="padding: 2px;">Silver 5ppm</td> <td></td> </tr> </table>	Arsenic 5ppm	Barium 100ppm	Cadmium 1ppm	Chromium 5ppm	Lead 5ppm	Mercury 0.2ppm	Selenium 1ppm	Silver 5ppm			Toxic
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Contains any of the following pesticides at or above the concentration listed: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Chlordane 0.03ppm</td> <td style="padding: 2px;">Endrin 0.02ppm</td> <td style="padding: 2px;">Heptachlor 0.008ppm</td> </tr> <tr> <td style="padding: 2px;">Lindane 0.4ppm</td> <td style="padding: 2px;">Methoxychlor 10ppm</td> <td style="padding: 2px;">Pentachlorophenol 100ppm</td> </tr> <tr> <td style="padding: 2px;">Toxaphene 0.5ppm</td> <td style="padding: 2px;">2,4,5-TP 1.0ppm</td> <td></td> </tr> </table>	Chlordane 0.03ppm	Endrin 0.02ppm	Heptachlor 0.008ppm	Lindane 0.4ppm	Methoxychlor 10ppm	Pentachlorophenol 100ppm	Toxaphene 0.5ppm	2,4,5-TP 1.0ppm			Toxic
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Contains any of the following organics at or above the concentration listed: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Benzene 0.5ppm</td> <td style="padding: 2px;">Cresol, o-cresol, p-cresol, m-cresol 200ppm</td> <td style="padding: 2px;">2,4-dinitrotoluene 0.13ppm</td> </tr> <tr> <td style="padding: 2px;">Methyl ethyl ketone 200ppm</td> <td style="padding: 2px;">Nitrobenzene 2ppm</td> <td style="padding: 2px;">Pyridine 5ppm</td> </tr> <tr> <td style="padding: 2px;">Vinyl Chloride 0.2ppm</td> <td></td> <td></td> </tr> </table>	Benzene 0.5ppm	Cresol, o-cresol, p-cresol, m-cresol 200ppm	2,4-dinitrotoluene 0.13ppm	Methyl ethyl ketone 200ppm	Nitrobenzene 2ppm	Pyridine 5ppm	Vinyl Chloride 0.2ppm				Toxic
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Contains petroleum oil or polychlorinated biphenyls		Toxic									