

HAZARDOUS WASTE MANAGEMENT

PLEASE REFER TO THE USF HAZARDOUS WASTE MANAGEMENT PROCEDURE FOR MORE INFORMATION

IDENTIFICATION

Hazardous waste is material that has no intended use or reuse and includes chemicals that are no longer needed, expired, or spilled. Categories of hazardous waste are:

1-*Listed wastes* are specifically listed by the EPA in 40 CFR 261.31, 40 CFR 261.32, and 40 CFR 261.33.

2-*Characteristic wastes* exhibit one or more of the following characteristics

- Ignitability-may catch fire
- Corrosivity-pH less than 2 or greater than 12.5
- Reactivity-unstable and capable of causing explosions or emitting toxic fumes, gases, or vapors
- Toxicity-harmful when ingested, absorbed, or released into the environment

At USF all chemical waste is to be considered hazardous and be disposed of through EH&S.

Never put any chemicals down the drain or in the trash.

STORAGE

- All chemical waste must be labeled and stored in a nearby satellite accumulation area (SAA) identified with a sign available through the EH&S Office.
- Chemical waste may not be moved to an SAA in a different room or work area for storage.
- A maximum of 55 gallons of regular waste or 1 quart p-listed waste may be kept in the SAA.

for EPA p-listed waste) may be disposed of as regular trash if their labels are defaced and marked "empty".



SEGREGATION GUIDE

- Acidic solutions (separate inorganic/organic)
- Basic solutions (separate inorganic/organic)
- Water-reactives and pyrophorics (e.g. alkali metals)
- Strong oxidizers and peroxides (e.g. nitric acid)
- Peroxide-forming chemicals (e.g. ether)
- Cyanides
- Non-halogenated flammable liquids (e.g. xylene, methanol, gasoline)
- Halogenated flammable liquids (e.g. chloroform, dichloromethane)
- Mercury solutions and salts
- Heavy metal solutions and salts (e.g. lead, arsenic, chromium)
- Used oil (e.g. used pump oil)
- Toxic liquids (e.g. ethidium bromide)
- Toxic solids (e.g. acrylamide)

WASTE MINIMIZATION

- Substitute or use less-hazardous materials
- Use smaller amounts of chemicals in experiments when possible
- Keep an accurate inventory and label/date all containers