

HAZARDOUS SOLID CHEMICAL WASTE FLOWCHART

General Notes:

- 1.) If not in safe condition to transport contact esf@uwaterloo.ca!!!
- 2.) Safest container is generally the original container the material came in.

What is your starting material?

Contaminated solids

- if pourable liquids are present, decant liquids before proceeding.

Examples:

- gloves, pipette tips, glassware, weighboats, etc...

Solid Waste or Pure Chemical Solids

Water reactive or pyrophoric

DO NOT MIX! Package individually in inerting or stabilizing substance (ie. oil or solvents) - SOPs are required for use. SOP should include disposal instructions

Sample vials - solids

Label as "Vials containing samples of _____"

Label as "Articles contaminated with _____." List contaminant and segregate as below

Contaminated with Organics

Flammable Organic

Toxic Organic

Example:
Silica contaminated with toluene, xylene, MEK

Example:
Pastuer pipettes contaminated with chloroform

Contaminated with Toxic Inorganics

Mercury

Sulphides/Thiols

Other

1.) Mercury: Bagged or in original packaging
2.) Thermometers should be wrapped such that they won't break.

Example:
Pastuer pipettes contaminated with thiols

Contaminated with other substances

Pump Oil, mineral oil, or hydraulic oil

Nonhazardous nano: Carbon nanotubes or graphene

Note: If article is nano, then NANO must be on label and it must be double bagged.

Contaminated with caustics

Acid

Example:
Gloves and Other PPE contaminated with nitric acid

Base

Example:
Gloves and Other PPE contaminated with sodium hydroxide.



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