

Hazardous Waste Management Overview

The 5 Ls of Hazardous Waste Management

Collect

- CoLLect all Hazardous Chemical Waste in designated containers and submit a chemical waste pick-up request form; see link at the bottom of page.
- CoLLect all unwanted and expired chemicals in the laboratory for disposal, periodically.
- NEVER dispose Hazardous Waste down the drain.



Stained sink due to drain disposal



No Drain Disposal



Waste collection in containers

Lid

- Keep a closed, tight-fitting Lid on Hazardous Waste containers at all times, except when actively adding or removing waste.
- NEVER leave an open funnel in a Hazardous Waste container.



Specialty funnel with closed lid



Open container with loose hose



Specialty cap for HPLC waste

Leaks

- Inspect Hazardous Waste containers regularly for Leaks.
- NEVER allow Leaking containers to remain in laboratory. Contact EH&S upon discovering a leak.

Locate

- Locate Hazardous Waste containers at or near the point of the Hazardous Waste's generation
- NEVER move Hazardous Waste containers outside of the room in which the waste was generated.

Label

- Label the container as soon as you start collecting waste by affixing a completed Chemical/Hazardous Waste label.
- List all of the Waste components on the Label.
- NEVER use chemical formulae or abbreviations on Hazardous Waste Labels.
- Indicate chemical hazard(s) characteristics of all chemical components by checking all appropriate boxes.

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Hazardous Waste Characteristics →

COLUMBIA UNIVERSITY ENVIRONMENTAL HEALTH & SAFETY	
CHEMICAL / HAZARDOUS WASTE	
Lab/ PI: <u>Prof. Teala</u>	Room #: <u>1234</u>
Building: <u>Chadler</u>	Room #: <u>014</u>
Chemical Name (No Formulas or Abbreviations)	Amount %
ACETONE	20%
ARSENIC	5ppm
METHANOL	10%
ETHANOL	65%
WATER	BALANCE
Check ALL hazards that apply if this is hazardous waste <input checked="" type="checkbox"/> Ignitable <input checked="" type="checkbox"/> Toxic <input type="checkbox"/> Corrosive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Reactive <input type="checkbox"/> Non-Hazardous	
Guidance for Making an Accurate Hazardous Waste Determination: https://research.columbia.edu/content/hazardous-waste-determination To Request Waste Pick Up: https://research.columbia.edu/hazardous-materials-and-sustainability Keep lid closed when not in use. See reverse side for instructions.	
Contact EH&S: Morningside/M'Vile/Nevis (212) 854- 8749 or CUIMC (212) 305-6380	

Check ALL hazards that apply if this is hazardous waste <input checked="" type="checkbox"/> Ignitable <input checked="" type="checkbox"/> Toxic <input type="checkbox"/> Corrosive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Reactive <input type="checkbox"/> Non-Hazardous	Check ONE of the chemical waste determinations (see guidance below)
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Labeling requirements are mandated by EPA and failure to properly label containers will result in EH&S's inability to accept the waste for disposal.

When a waste container is 90% full or not being used, submit a Chemical Waste Pick-up Request Form by visiting:

<https://research.columbia.edu/chemical-waste-pick-up-request>

For any questions regarding hazardous waste disposal, please email us at hazmat@columbia.edu