



Chemical Waste Quick Guide

Collecting Chemical Waste

- Chemical waste must be collected based on like characteristics (i.e., ignitable with ignitable, toxic with toxic, etc.) when possible. Review chemical compatibility when preparing waste for collection. If there is a compatibility question or concern, please email safety@andrew.cmu.edu.
- Use proper containers; containers must be compatible with the waste, able to last the duration of collection, closeable and must be kept closed when not in use.
- Liquid waste containers must be kept in secondary containment that can hold the contents of the largest container if a leak occurs. Solid waste does not need secondary containment.
- Label the container with an accumulation label, as shown below, before adding any waste to the container.

CHEMICAL WASTE		
Characteristic(s)		Contents: %
<small>Check all that apply</small>		Chloroform 30%
Flammable	X	Toluene 30%
Corrosive		Isopropanol 30%
Toxic	X	Petroleum Oil 10%
Reactive		Mercury (trace) %
Accumulation Start Date: 3/1/2023		100%
WASTE CONTAINERS MUST BE CLOSED EXCEPT WHEN ADDING OR REMOVING WASTE		

Accumulation Label Example

Storing Chemical Waste

- Chemical waste must be stored at a Satellite Accumulation Area (SAA). SAAs must be located at or near the point of waste generation (inside the lab).
- Waste can only be accumulated for 6 months in a SAA. In addition, if 55 gallons of regulated waste or 1 quart of acutely toxic waste is exceeded, it must be removed by Environmental Health and Safety (EHS) within 3 days.
- Secondary containment inside the SAA must be kept in good condition and must be kept clean of any spilled liquids.

Preparing Chemical Waste for Removal

- When the waste containers are full or are 6 months old, attach a waste tag (see below) to the bottle. The waste tag should only be used when the bottle is ready for disposal.
- When filling out the waste tags:
 - List full chemical names in plain English- no chemical formulas, abbreviations, or symbols
 - Write only one constituent per line and ensure that the total adds up to 100%. If constituent is less than 0.5% of the total, label it as 'trace,' or include the ppm.
- Once the waste tag is filled out completely and correctly, attach the tag to the waste container by using the metal wire. Please note that if the waste tag is not present on the container, it will not be collected. No tag, no take.

Serial # 02480

Carnegie Mellon University
Waste Certification & Disposal Form

Chemical Waste Characteristics

Ignitable Flammable Oxidizers
 Corrosive Acid, Bases pH _____
 Toxic Metals, Poisons
 Reactive Water Reactive, Explosives
Pyrophoric, Compounds
with Cyanides or Sulfides

Non-Hazardous (None Apply)

Date Submitted: 1-1-23
Name of PI: JANE DOE
Department: EHS
Building/Room: FMS 307

EHS attach barcode here

Carnegie Mellon University
Waste Certification & Disposal Form

Identification of Materials
List all components with full chemical name (including water)

Constituent	Conc. or %
<u>CHLOROFORM</u>	<u>30</u>
<u>TOLUENE</u>	<u>30</u>
<u>ISO PROPANOL</u>	<u>30</u>
<u>PETROLEUM OILS</u>	<u>10</u>
_____	_____
_____	_____
_____	_____

I certify that the above information is correct.
I understand that there are penalties under the
law for false certification of hazardous waste.

Print Name: JOHN DOE
Sign Name: John Doe

Waste Tag

Removal of Chemical Waste

- To have waste removed, place an online ticket. You can find the link to this service on the CMU EHS website. The request must have all pertinent information on it, such as the amount and type of waste and where it is located in the lab.
- Chemical waste is collected bi-weekly on Tuesday and Wednesday. See the printable, unified waste calendar on the EHS website for specific dates.

Requesting Supplies

Labels and Tags:

- If you are in Mellon Institute, you obtain find accumulation labels and waste tags at Mellon Stores. If you are on campus, please fill out an online request and EHS will deliver them to your lab.

Waste Containers and Secondary Containers:

- If you need empty waste containers or secondary containment, please submit an online request and EHS will deliver them.

Questions?
Email safety@andrew.cmu.edu