

SAFETY BULLETIN

Hazardous Chemical Waste Disposal

A hazardous chemical waste is defined as “any unwanted or discarded chemical material that has properties that make it dangerous to human health or the environment when improperly treated, stored, transported, used or disposed”. Generally a waste must exhibit at least one of the following characteristics to be considered hazardous:

- Ignitable: Flash point $<60^{\circ}\text{C}$ (140°F)
- Corrosive: (ph ≤ 2 or ≥ 12)
- Reactive: (water reactive, shock sensitive)
- Toxic (acutely toxic, carcinogenic, reproductive toxin, etc.)

Step 1: Designate Waste Area

1. Designate a waste storage location in the lab (Satellite Accumulation Area).
2. Store liquid waste in secondary containers.
3. Post a copy of this instruction sheet near the waste area.



Step 2: Collect Waste

- Collect waste in appropriate leak proof sealed containers. The lid must be tight-fitting; foil, stoppers, tape, etc. are not suitable for transport.
- Do not mix incompatibles waste in the same container
- Do not fill containers more than 80% full. Allow adequate headspace above liquid level for expansion
- Properly label the waste container. A hazardous waste tag must be affixed to it before it can be picked up for disposal.
- Identify content by proper chemical name. Tags with abbreviations, chemical structures, formulas etc. will not be accepted. For mixtures, list approximate percentages of each chemical.
- Mark the date when ready for pickup on the lower section of the tag. This signals that the container is ready for pickup.

LABORATORY WASTE		
REFER TO LABELING INSTRUCTIONS ON REVERSE SIDE		Date Accumulation Started: ____/____/____
USE FULL CHEMICAL NAME, NOT FORMULAS OR ABBREVIATIONS		
Contents	Amount in Container (L or Kg)	Net Total
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
HAZARDS (SEE REVERSE SIDE)		
Check if applicable: _____		
_____ Ignitable/Flammable	_____ Corrosive (Circle one: Acid / Base)	_____ Toxic/Poison
_____ Biological Waste	_____ Non-Hazardous	
MARK DATE WHEN FULL OR READY FOR PICK UP		
(L Date) ____/____/____		
Building: _____ Laboratory: _____		
PI Lab Manager: _____		
Phone, email: _____		
I certify this information is true and that I have done my best to reduce the volume and toxicity of this waste.		
Signature: _____		

Step 3 Save all empty Containers

To assure accurate inventory, do not dispose any empty containers. Place your empty containers in the Satellite Accumulation Area. Write empty in the bottle. After pickup the warehouse staff will scan the empty container to remove them from the Chem SW® electronic inventory.

Need waste supplies? (containers, bags, secondary containers)

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Questions on waste disposal?

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