

ENVIRONMENTAL HEALTH AND SAFETY

HAZARDOUS MATERIALS MANAGEMENT

LABELING CHEMICAL WASTE



Hazardous Waste Disposal Tag Requirements

Identifying a Waste Container & Contents

From the moment the first drop of waste is added to a container, it must be labeled correctly to meet regulatory requirements and ensure safe handling. Using the **orange Hazardous Waste Disposal Tag** provided by Environmental Health and Safety (EHS) satisfies these requirements.

To properly label waste, make sure to:

- Clearly mark the container with the words **"Hazardous Waste."**
- Provide a **complete list of chemical constituents** using full chemical names (no formulas, abbreviations or acronyms).
- Include the **percentage of each chemical**—if it's less than 1%, it may be listed as **"trace."**
- For **debris or silica gel**, list all chemicals the material contacted, even if it appears dry, as **"trace."**
- Check all applicable hazard boxes** on the tag.
- Ensure the information on the disposal tag **matches the EHS waste pickup request.**
- Note: **Disposal tags are not required** for unused products in their original manufacturer containers.



Administrative Operations

Example of Completed Disposal Tags with EHS Entry

PURDUE UNIVERSITY HAZARDOUS WASTE DISPOSAL TAG
PI: Robin Ridgway

Liquid in 5 Gallon Carboy

1.	<u>acetone</u>	% <u>80</u>
2.	<u>water</u>	% <u>20</u>
3.	<u>trifluoroacetic acid</u>	% <u>trace</u>
4.		
5.		
6.		

Container 1 : Chemical - 1 - 5.0 GL (Liquid)
ACETONE - 80.00% / WATER - 20.00% / TRIFLUOROACETIC ACID --trace

HAZARD (check all that apply)

<input checked="" type="checkbox"/> Flammable	<input type="checkbox"/> Water-reactive	<input type="checkbox"/> Reactive
<input checked="" type="checkbox"/> Corrosive	<input type="checkbox"/> Oxidizer	<input type="checkbox"/> Carcinogen
	<input checked="" type="checkbox"/> Toxic	<input type="checkbox"/> Other _____

Double Bagged Lab Debris
(Order of constituents may change in EHS but the list and percents must match.)

Container 2 : Chemical - 1 - 3.0 LB (Solid)
weigh boats - 35.00% / gloves - 25.00% / paper towels - 25.00% / plastic pipettes - 15.00% / METHANOL --trace / TOLUENE --trace

Bucket of HPLC Vials Containing Liquid
(List chemicals, percents, and physical form of vial contents and add a comment that they are vials.)

PURDUE UNIVERSITY HAZARDOUS WASTE DISPOSAL TAG
PI: Robin Ridgway

1.	<u>acetone</u>	% <u>20</u>
2.	<u>ethyl acetate</u>	% <u>20</u>
3.	<u>diethyl ether</u>	% <u>20</u>
4.	<u>acetonitrile</u>	% <u>20</u>
5.	<u>tetrahydrofuran</u>	% <u>20</u>
6.		

Container Comments / Additional Information
5 gallon bucket of vials containing listed chemicals

Container 3 : Chemical - 1 - 5.0 GL (Liquid)
ACETONE - 20.00% / ACETONITRILE - 20.00% / DIETHYL ETHER - 20.00% / ETHYL ACETATE - 20.00% / TETRAHYDROFURAN - 20.00%

HAZARD (check all that apply)

<input type="checkbox"/> Flammable	<input type="checkbox"/> Water-reactive
<input type="checkbox"/> Corrosive	<input type="checkbox"/> Oxidizer
<input checked="" type="checkbox"/> Toxic	