

Lab Safety

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BioMiNT Lab

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Hazardous Chemicals

- ▶ Entering Hazardous Chemicals in CIBR Trac
 - If you have any chemicals that are deemed to be hazardous please enter them on the inventory lists in the lab and place them in the appropriate location.
 - What is a hazardous chemical
 - ▶ <http://www.ehs.uci.edu/programs/enviro/ChemicalList.xls>
 - ▶ If it is not on the list:
 - Does the chemical have one of the following characteristics
 - ▶ Ignitable
 - ▶ Corrosive
 - ▶ Reactivity
 - ▶ Toxicity

Hazardous Chemicals – Cont.

- ▶ Hazardous Material labels must include the following.
 - ▶ The words "Hazardous Material".
 - ▶ University of California, Irvine - Irvine, CA 92697.
 - ▶ Principal Investigator's / Supervisor's name and phone number.
 - ▶ Chemical name and concentration.
 - ▶ Physical state and hazard category

Hazardous Waste

- ▶ Hazardous Waste labels must include the following.
 - The words "Hazardous Waste".
 - University of California, Irvine - Irvine, CA 92697.
 - Principal Investigator's / Supervisor's name and phone number.
 - The date when the waste was first generated.
 - Chemical name and concentration.
 - Physical state and hazard category
- ▶ Hazardous Chemical Waste must also be segregated.
- ▶ The Hazardous waste must be transferred to EH&S within 6 months from the date it was generated.
- ▶ More information at <http://www.ehs.uci.edu/programs/enviro/hwasteguidelines.html#whatis>

Biomedical Waste

▶ 3 Types

■ Sharps

- ▶ Needles, Blades
- ▶ Pipette tips, Glass pipettes, slides and cover slips ???
- ▶ Place in sharps container

■ Solid Waste

- ▶ Any item contaminated with biomedical material
- ▶ Primary container must be a red bag and labeled with Biohazard
- ▶ Secondary containers must be labeled, rigid, leak resistant, clean and have tight fitting covers.

■ Liquid Waste

- ▶ Blood, bodily fluids and semi-liquid materials
- ▶ Disinfect using 1 part bleach to 9 part liquid waste, wait 30 minutes and pour down the drain.

EH&S Comments

- ▶ CIBR Trac
- ▶ Chemical Hygiene Plan
 - <http://www.ehs.uci.edu/programs/ih/Universalchp/chp.html>
- ▶ HF
 - HF is being moved to the clean room
 - Thanks Armando!
- ▶ Label all hazardous materials and hazardous waste with the above mentioned information
 - Chemical transferred to containers other than the original container must also be labeled. At the minimum labels must include chemical name, chemical hazard and target organ effect.

Other Lab Items

- ▶ Bottles of BASE and ACID in the fume hood.
 - Anyone in the lab know what the chemicals are?
 - ▶ BASE – There is 1 – 1 L bottle and 2 – 250 or 500 mL bottles
 - ▶ ACID – There is 1 – 1L bottle
- ▶ Refrigerator clean up
 - Please place the items that you would like to keep in the bottom drawers and top shelf of refrigerator