

Site-Specific Responsibility for Chemical Hygiene and Safety

OFFICE OF ENVIRONMENTAL HEALTH AND SAFETY
UNIVERSITY OF CALIFORNIA, DAVIS

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* person responsible for chemical hygiene and the Chemical Hygiene Plan in the unit or laboratory

Rooms covered by this plan: 2123

2119 (half)

2115 Weighing balance area

Implementation Date: 01/09/2013

Annual Review Date: 01/09/2014

01/09/2015

Site-Specific Information on Chemical Receiving, Storing, or Dispensing

(If Applicable)

Chemical Hygiene Plan

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Give the location of your laboratory's chemical receiving, storage, or dispensing areas. Describe any ordering policies or procedures for hazardous chemicals. List any chemicals that require prior Principal Investigator approval for purchase.

Chemical receiving takes place in room 2123. Storage and dispensing of dry and non-volatile chemicals takes place in 2115 in the weighing balance area. Storage and dispensing of volatile liquids and strong acids and bases takes place below and inside the fume hood in room 2123, respectively.

Hazardous chemicals are generally of common use for different projects and typically projects don't require new (to the lab) chemicals. As with all purchases, once a lab member fills out a lab supply order form it first has to be approved by the PI before the purchase goes through.

MSDS and Other Reference Materials Available in the Laboratory

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Describe how and where MSDSs and other reference materials are available in this laboratory.
(See the Bibliography for a list of recommended references).

The URL for a searchable MSDS website is posted on all computer monitors in the lunch/break room of the Maloof and Harmer labs. Additionally, there's a link to the searchable MSDS site and others MSDS links in the lab safety portion of the Maloof lab website.

Emergency Response Instructions

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GENERAL PROCEDURES:

The following are some general instructions for actions to take in case of an emergency:

Medical Emergency

1. Remain calm.
2. Initiate lifesaving measures if required.
3. Call for Emergency Response --- **CALL 911**.
4. Do not move injured persons unless it is necessary to prevent further harm.
5. Keep injured person warm.

Major Incident

1. Attend to injured or contaminated persons and remove them from exposure.
2. Alert people to evacuate the area.
3. Call for Emergency Response -- **CALL 911**.

- Fire ----- **911**
- Chemical, radiation, biological spill ----- **911**
- (Evenings and Weekends) ----- **911**

4. Close doors to affected areas.
5. Have person knowledgeable of incident assist emergency workers.

LABORATORY-SPECIFIC PROCEDURES:

The following are specific instructions for actions to take during an emergency situation in your laboratory.

First Aid kits are located in room 2123 under the sink, the lunch/breakroom and near the doorway between rooms 2119 and 2115.

Telephones are available in rooms 2115 and 2123 by the door to the hallway.

Eyewashes are available in the sinks in rooms 2123, 2115. Safety showers are available at both ends of the hallway.

Fire extinguishers are available near the doors of rooms 2123 and 2115.

Spill Kit - located under the sink in room 2123.

Further information about spills, etc. is in the lab safety guidelines and the Harmer/Maloof labs' safety webpage.

Site-Specific Hazardous Material Control Systems (Engineering Controls)

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List hazardous material control systems (eg. fume hoods) available in the laboratory. Include information on restrictions, special precautions or procedures, preventative maintenance schedules, and any other information relevant to safe operation in the laboratory.

There are fume hoods in rooms 2115 and 2123.

Personal Protective Equipment Available in the Laboratory

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List the personal protective equipment available to laboratory workers and when it should be used. See Chapter V for additional information.

Eye Protection:

Goggles. Should be worn whenever there's a splash danger for dangerous chemicals.

Gloves:

Disposable nitrile gloves are available in all sizes and distributed throughout the lab. It is customary to use them for the vast majority of lab procedures.

Other Protective Clothing:

Autoclave and cryogenic gloves can be found in the bottom drawer in the bench next to the door of room 2123. The former are to be worn when handling hot material (e.g. bottles) and especially when autoclaving. The latter should be worn when handling liquid nitrogen and dry ice. Lab coats are found throughout the lab and should be worn according to the SOPs' of the chemicals in question.

Respiratory Protection:

Light duty face masks to safeguard against inhalation hazards are found in the drawers below the balance in 2115. They should be worn when weighing powdered chemicals that pose an inhalation hazard. Please refer to SOPs.

Other:

Prior Approvals Required

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List prior approvals required for particular laboratory functions. The Principal Investigator or Laboratory Supervisor will determine which laboratory operations, if any, will require prior approval.

Biological Use Authorization (BUA) / Recombinant DNA project.