

Stanley Hall Safety Committee Agenda

11:00 am -12:00 noon, Wednesday, June 10, 2009

Room 177 Stanley Hall

[Safety Committee and DSC Comments in Green]

1. Fire and Life Safety Inspection Findings: Extension Cords *Thom Opal 10 min.*
 - Temporary Use Only (unplug at end of day); make sure not to overload
 - Replace with UL-listed multi-outlet strips that have circuit breaker and can handle load, or permanent wiring
 - Don't run power cords through doorways, ceiling tiles, over lights, etc.
 - NFPA 2003-2006 statistics: caused 46% of household fires (6400 fires), 320 deaths, 400 injuries, \$264Mil in property damage, during time period

2. Incidents, Concerns, and Corrective Measures *All Attendees; 5 min.*

Yesterday's exhaust fan outage: close fume hoods if you hear alarm

Two minor injury incidents:

- 1) methylene chloride and methanol mixture squirted in eye when clogged syringe filter popped off; eyewash, Tang Ctr; Whatman filters have pressure rating, and wider diameter resists clogging
- 2) Light skin burns from UV light box, while visualizing gel; cover all skin w/lab coat (as well as UV-rated face shield)

3. Lab Coats *Thom Opal 10 min.*

- Laundry/Rental Service – Mission Linen is Campus Vendor
- Wear when using hazardous materials that present a dermal exposure hazard (corrosives, solvents [defatting agents], oxidizers, water-reactives, pyrophorics, sensitizers, acutely toxic and chronically toxic [carcinogens, mutagens, metals] materials)

Related to UCLA fatality: rumor is that there will be a Campus policy, making lab coats mandatory PPE in chemical use labs. I will send an email **POLL** to you and your PI, to assess interest in Mission Linen service. Coats laundered for as little as \$0.67/week. This amounts to approximately \$35 per year, per person (\$98 for flame-resistant) cost. Coats may have an optional custom embroidered name emblem for a very low one-time fee (\$0.50 per coat).

4. Earthquake Preparedness: Safer Chemical Storage *Thom Opal 20 min.*

Try this out – and provide me feedback if improvements can be made

- Prevent Fire and/or Poisonous Atmosphere
- Focus on Liquids (>2L) and Highly Toxic or Reactive Solids
- Liquid Categories: Oxidizing Acids, Non-Oxidizing Acids (organic acids), Caustics/Bases, Flammables, and Reactives

- Use secondary containment trays: usually plastic, or glass for oxidizers
Physical hazards... Oxidizers are most reactive; Road flares are an example of oxidizer action on normal combustibles (potassium nitrate, potassium perchlorate, strontium nitrate, aluminum or magnesium, sawdust/charcoal).
-> LBNL Lab “Stand-Down”: nitric acid incompatibilities with isopropanol & HF

Secondary containment trays are relatively cheap; Polypropylene (#5) examples... Polystyrene (#6) is quickly destroyed by oxidizers, acids, solvents – no good. HDPE (#2) is more expensive, from lab supply catalogs – use Pyrex for oxidizers.

5. Respiratory Protection *Thom Opal 5 min.*

- Prior to purchase – consult with Thom/DSC, or EH&S
- EH&S Respiratory Protection Program
- Medical exam for ½-face mask or full

This is why we have fume hoods. I would rather find you another solution first

6. Safety Coordinator Announcements *Thom Opal 5 min.*

- BioSafety: BSL 2 Locations – New Signs
- Fire Alarms: cost \$5K-\$10K per event, from lost work time; FD re-charge
- California *Green Chemistry Initiative*

<http://www.dtsc.ca.gov/PollutionPrevention/GreenChemistryResources/index.cfm>

Everyone is green. Ethidium bromide to SybrSafe, for example. Xylene substitute (Slide Brite histology), which can “go down drain” - use precaution, get me to review, tell me of products that are good.

7. Agenda Items for Next Meeting (11-12 Wednesday, 9/9/09, room 177) *All Attendees; 5 min.*

Handouts:

- *Chemical Storage for Earthquake Preparedness*
- *Extension Cords and Surge Protectors Fact Sheet*