

# Chemistry Safety Notes

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"Chemistry Safety Notes" is published by the Chemistry Dept. Safety Committee, written & edited by Debbie Decker, Safety Mgr.

## \*\*\*NEWS FLASH\*\*\*

### Hazardous Material Removal Program

EH&S has embarked on a Hazardous Material Removal Program. Over the next two years, EH&S will provide departments with the opportunity to dispose unneeded chemicals and radioactive materials without recharge. That's right – FOR FREE! This program will be organized by building and we'll receive notice when we come up in the queue. I'll let you know when it's our turn.

You will still need to dispose your regularly generated hazardous waste through the normal waste disposal procedure – also without recharge. That's right – FOR FREE!

### Are YOU ready for a Cal/OSHA visit?

Ask yourself the following:

Is everyone trained?

Are our records organized?

Have our SOPs and CHP been reviewed and updated in the past year?

Is the lab tidy? Is clutter minimized?

Do we have records of self-inspections?

### Cal/OSHA Inspection at UC Irvine

Our friends at UCI have shared an unofficial summary of what Cal/OSHA focused on during their inspection late last month. Items included the following:

Chemical labeling and storage

Hazardous waste practices

Chemical segregation

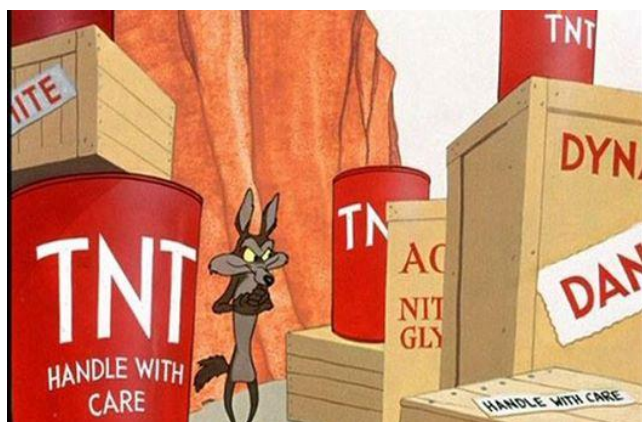
Storage of corrosives above eye level

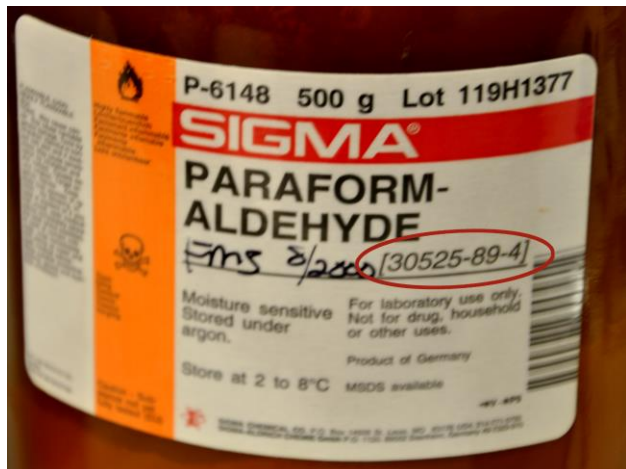
Inspection records and injury logs

CHP and SOPs

Cal/OSHA also made a document request, to include the department IIPP and EAP. They will probably be back but will schedule the follow up visits.

UCLA and Berkeley report, unofficially, similar issues. Cal/IOSHA will probably return for additional visits at all three campuses but will schedule those visits.





## What Needs to Be Inventoried?

All solid and liquid hazardous chemicals and mixtures greater than 1g or 1ml.

Any amounts of the following materials:

- All Compressed Gases
- Acutely Toxic Substances
- Carcinogens
- Reproductive Toxins
- Select Agents
- Perchlorate material
- Chemical Facility Anti-Terrorism Standard (CFATS) Chemical of Interest (COI)
- Controlled Substances

Contact EH&S at [cis@ucdavis.edu](mailto:cis@ucdavis.edu) or 530---752--- 1493 for assistance with navigating the System.

*If you have any questions about the haz waste program or inventory program, give me a call (530.754.7964 or shoot me an email ([dmdecker@ucdavis.edu](mailto:dmdecker@ucdavis.edu))).*

## Chemical Inventory System (CIS)

The new system-wide Chemical Inventory System (CIS) is now available. It's a web-based system that facilitates the collection and storage of information related to the chemical inventory on campus.

Federal and State regulations require businesses that use, handle, or store hazardous materials to maintain an accurate hazardous chemical inventory. The campus is required to report electronically the hazardous materials inventory to various enforcement agencies.

This should not be news to you! We've been reporting the inventory for years. Your existing CIS inventory has been uploaded to the new application for your updating pleasure.

Important features of the CIS system include:

- Single Sign-on
- Secure management of chemical inventories
- Ability to export any data to Excel
- Pre-populated chemical library
- Summary, Chemical Inventory and First Responder reporting capabilities
- Easy to manage database for administrators
- Ability to print customized door placards (you won't need to, since we already have door placards)

Weekly drop-in question and answer sessions will be held to assist CIS users with questions and issues not addressed in the on-line tutorial or user guide. These sessions will be held in Hoagland Hall, Room 130 on the following dates:

Wednesday, August 6th 1 to 2 p.m.

Tuesday, August 12th 8:30 to 9:30 a.m.

Monday, August 18th 11 a.m. to 12 p.m.

Monday, August 25th 1:30 to 2:30 p.m.

Friday, September 5th 2 to 3 p.m.

## How to assure safety training sticks?

Bill Casey and I were having a chat about this the other day. How do we make sure folks actually learned something in all of our training efforts? Bill has implemented safety quizzes with his lab group. Two or three questions of a safety nature as part of regular updates and lab meetings. For example, he'll ask "Can this 100 ml of ethanol go down the drain?" and see what answers he might get. And where re-training might need to happen.

Independent of my conversation with Bill, Gabby and Amelia sent me a safety quiz they plan to deploy in their lab groups. I've included a squished-down version of their questions below.

This is a great way to make sure your folks are learning from and retaining their safety training. If you want a copy of Gabby and Amelia's quiz, let me know.

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- 1) Where is the closest container of sand to your hood? \_\_\_ Is it open?
  - a. Why should you have one nearby?
- 2) In the event of an emergency, who should you contact? What are their phone numbers?  
1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_
- 3) Are your group members listed in your phone? \_\_\_ How many group members are listed? \_\_\_\_\_
  - b. Who is missing? \_\_\_
- 4) When was the last time you looked at a Shaw Group SOP? \_\_\_\_\_
  - a. List the threshold quantity for a pyrophoric reagent: \_\_\_\_\_
  - b. List the threshold quantity for any other SOP you have looked at: \_\_\_\_\_
- 5) Describe when to use the following Shaw Group Lab Coats
  - a. Dark Blue Nomex: \_\_\_\_\_
  - b. White or Light Blue Cotton Blend: \_\_\_\_\_
- 6) Describe the procedure for a chemical spill: \_\_\_\_\_
- 7) What should you DO during an OSHA, Fire, or EH&S inspection? \_\_\_\_\_
- 8) What should you NOT DO during an OSHA, Fire, or EH&S inspection? \_\_\_\_\_
- 9) What information is necessary for a properly labeled chemical?
  - a. Commodity reagent (commercially bought): \_\_\_\_\_
  - b. In-house made sample: \_\_\_\_\_
  - c. Reaction in progress: \_\_\_\_\_
  - d. Reaction in progress: \_\_\_\_\_
- 10) Define the following terms:
  - a. Near-Miss Event: \_\_\_\_\_
  - b. Emergency: \_\_\_\_\_
  - c. Upset Condition: \_\_\_\_\_