

UCDAVIS



**OFFICE OF THE VICE CHANCELLOR
AND CHIEF FINANCIAL OFFICER**

Safety Services

SVM Annual Safety Training Fire/Life Safety Talk



Campus Fire Prevention Services
safetyservices.ucdavis.edu
(530) 752-1493

UC Davis Fire Services

- ▶ Fire Prevention-Prepare and Prevent emergencies

Located in Hoagland Hall

(530) 752-1493

- ▶ Firefighters-Respond to medical and fire emergencies

call **911**

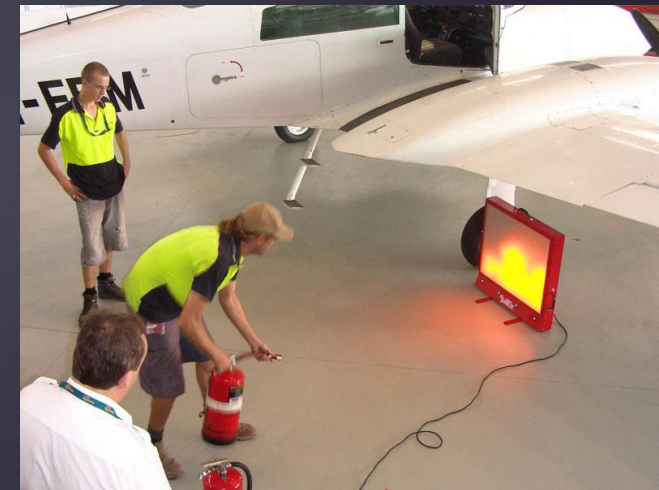
or

Fire Department (530) 752-1236



Fire Prevention Services

- Fire and life safety inspections
 - Existing Buildings and New Construction
- Fire extinguisher training
- Dormitory fire drills
- Fire safety education and training
- Emergency planning consultation
- Special event services



Life safety systems...

UC Davis laboratories are equipped with life safety systems including:

- smoke/heat alarms
- manual pull stations at the EXIT doors
- horns/strobes to notify occupants to evacuate the building
- sprinklers throughout many of the laboratory buildings
- fire extinguishers



Fire/Life Safety Equipment

- ▶ Know the locations of all the safety equipment in your specific lab!
- ▶ Fire Extinguishers
 - ▶ Know their locations, and do not move them. Extinguishers are by the exits or a reason.
 - ▶ Keep the area around them clear.
 - ▶ Call the fire department to report fires, no matter what the size of the fire.
- ▶ Chemical Fume Hood
 - ▶ Keep all flammable, noxious, and corrosive chemicals in hood
- ▶ Keep lab doors closed



In Case Of Emergency

- ▶ Stay Calm
- ▶ Activate the fire alarm system
- ▶ Call, or have someone call **911**
 - ▶ Assist others out of the building, exit the building and know your meeting location
 - ▶ Don't let anyone back into the building until a fire fighters says it is OK.
- ▶ Direct People to the nearest exit (always know two exits)
 - ▶ Use the stairs to exit, NO NOT use the elevators
- ▶ Medical Emergencies –call **911** proceed with aid to your appropriate level of training. Know the locations of AED's
- ▶ Keep the area clear for trained medical emergency personnel and direct them as needed.

Lab Fire and Life Safety Inspections

- ▶ Conducted Annually
- ▶ Common safety concerns
 - ▶ Chemical storage
 - ▶ Electrical
 - ▶ Compressed gasses
 - ▶ Housekeeping



Chemical Safety

- ▶ Ensure chemicals are stored and worked with safely
 - ▶ Know the hazards (read the MSDS)
 - ▶ Compatible chemical storage
 - ▶ Be prepared by knowing ahead of time how to address any potential spills
 - ▶ Be ready to use the emergency eye wash and shower
 - ▶ Be aware of possible ignition sources while using flammable materials



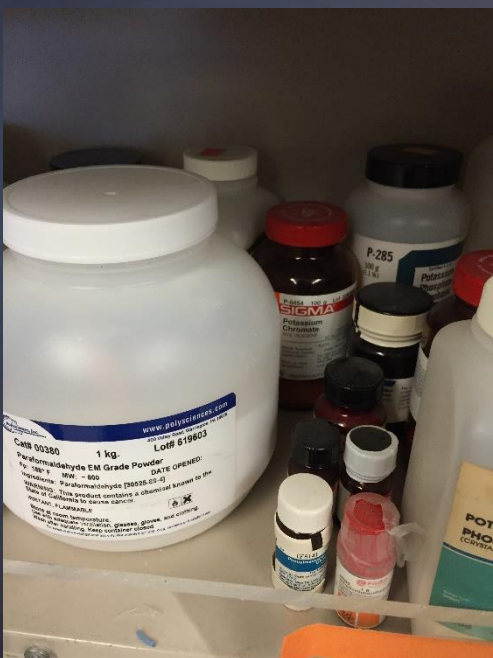
Goal of a Correctly Segregated Inventory

- ▶ Prevent the unintentional mixing of reactive chemicals.
 - ▶ Possible reasons for mixing
 - ▶ Bottles breaking
 - ▶ Compromised Lids
 - ▶ Residual material on outside of bottle
 - ▶ Hazardous waste
- ▶ Raise awareness to researchers regarding the chemical hazards

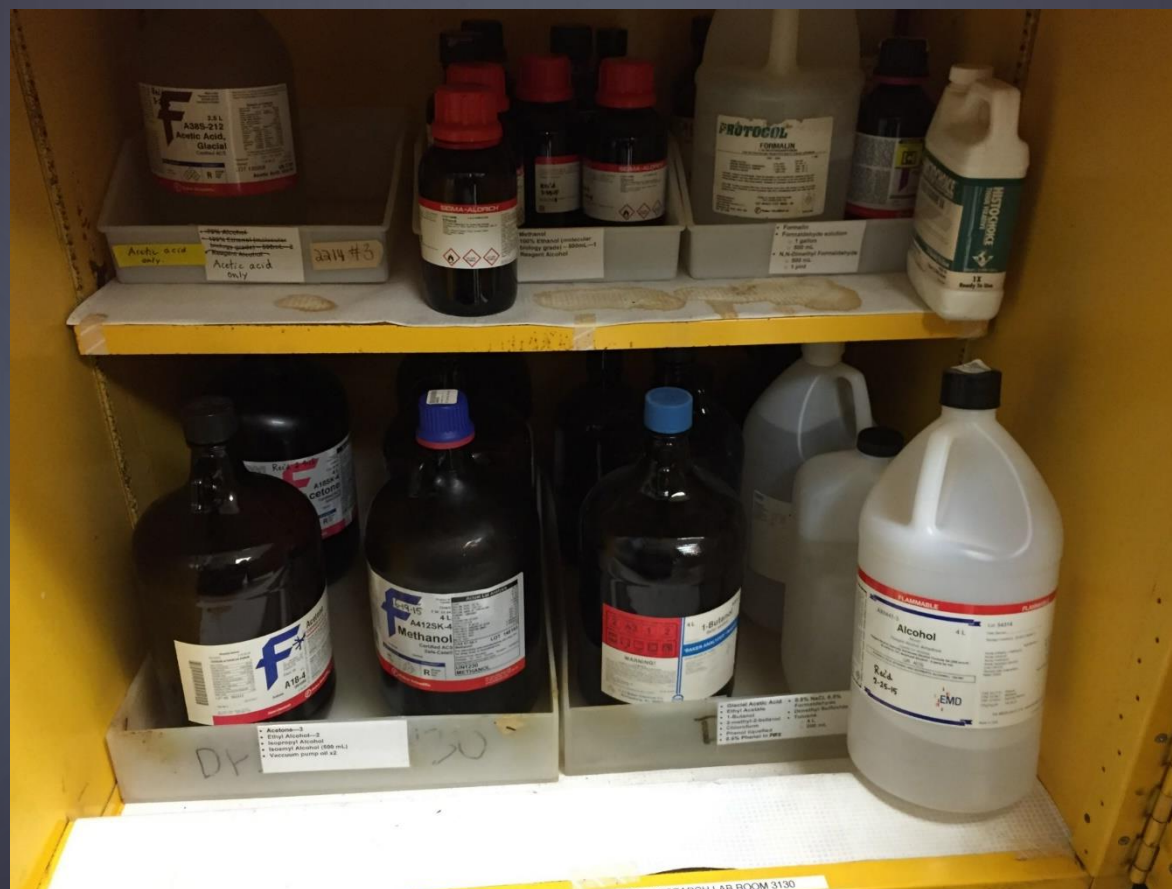


The problem with alphabetizing

- ▶ 1. Can lead people to store chemicals unsafely
- ▶ 2. Puts reactive chemicals in storage together



Excellent way to maintain order in a flammables cabinet.



Electrical Issues

- ▶ Be aware of possible electrical sources of ignition with respect to flammable material.
- ▶ Do not use extension cords
- ▶ Keep wires off of the floor
- ▶ Ensure all power cords are free of damage



Compressed Gas Safety

- ▶ Transport cylinders with a hand truck or cylinder cart
- ▶ Segregate incompatible gases
- ▶ Store highly toxic gases in exhausted enclosures
- ▶ Properly restrain all gases



Compressed Gas Storage

- ▶ Segregate incompatible gases
- ▶ Store highly toxic gases in exhausted enclosures
- ▶ Properly restrain all gases



Good Housekeeping

- ▶ Practice good housekeeping
 - ▶ Keep papers away from flames
 - ▶ Aisles should be free of clutter
 - ▶ Do not obstruct extinguishers or electrical panels.



In closing ...

REMEMBER – FIRE IS EVERYONE'S FIGHT!

Be responsible for your own safety and that of your fellow colleagues and evacuate promptly if the fire alarm activates.

