



THE UNIVERSITY OF
ALABAMA IN HUNTSVILLE

UAH Lab Safety Training

Purpose

- Ensure safety responsibilities are conveyed
- Promote safe working practices
- Outline emergency procedures
- Provide guidance to ensure environmentally sound practices are used

Objectives

UAH lab safety requirements

- Identify and classify hazards and hazmat
- Find chemical safety information
- Minimize exposure
- Handle chemicals safely
- Dispose of chemical waste
- Respond to emergencies
- Acquire assistance for repairs, emergencies, other safety information
- Train to recall specific hazard information

UAH Laboratory Safety Program

➤ **Laboratory Safety Manual**

- Review the lab safety manual. It is your laboratory BIBLE for planning to work safely and responsibly, and how to handle spills.

➤ **Specific Lab Hazards**

1. LASER Safety Manual
2. Biological Safety Manual
3. Radiation Safety Procedures

Identify Hazards

Principles of hazard recognition

- Be aware of all potential hazards in a process/situation. Ex: potential for fire, toxic chemical exposure, electrical shock, explosive potential, chemical spray, other.
- Evaluate the potential for each
- Take protective measures to prevent exposure / injury. If unsure, ask the responsible PhD.
- Walk through the lab at the beginning and end of each day to inspect for potential EHS problems.

Identify Hazmat

➤ **OSHA 29 CFR 1910.1450**

A chemical in which there is significant statistical evidence that acute or chronic health effects may occur in exposed employees.

➤ **EPA 40 CFR 261.3**

- Listed Wastes
- Characteristic Wastes
 - Flammable
 - Corrosive
 - Reactive
 - Toxic

Finding Chemical Safety Information

- Immediate Supervisor
- Safety Data Sheet (SDS) under OSHA adoption of the GHS
- CRC Handbook
- Chemical Manufacturer
- Internet Resources
- OEHS

Safety Data Sheets

- **OSHA's Lab Standard 29 CFR 1910.1450**, (aka subpart Z). It covers occupational exposure to hazardous chemicals in labs:
 - Employers must keep copies of the SDS for each hazardous chemical used or produced in the work place and ensure that they are readily accessible during each work shift when employees are present.
 - Occupational vs. education vs. research vs. liability
 - Paper vs. computerized

Safety Data Sheets

- Chemical manufacturers, distributors, or importers must provide SDS as per the Hazcom Standard 1910.1200
 - When deciding what experimental processes will be used ensure that you have reviewed all SDS's and chemical hazards prior to the final decision to use the chemical
 - Substitute a less hazardous chemical whenever possible
 - Order exactly what you will need – hazwaste expense and risk of accidents increase significantly

Hazardous Chemical Hazard Categories

Physical Hazards

- Flammable
- Corrosive
- Reactive
 - Water reactive
 - Pyrophoric (Air reactive)
 - Strong oxidizer
 - Acid sensitive

Health Hazards

- Asphyxiant
- Anesthetic
- Allergic sensitizer
- Systemic toxin
 - Teratogen
 - Carcinogen
 - Neurotoxin
 - Hepatotoxin
 - Nephrotoxin

Flammable Chemicals

- Flashpoint: The minimum temperature at which a flammable or combustible liquids produce enough vapor to form an ignitable mixture with air. Needs ignition source to flash.

Flammable Chemicals (cont.)

- Flammable Chemical: Chemicals with a flash point below 100F(OSHA). Which will flash earliest?
 - Methyl alcohol(11.10 C)
 - Benzene(-11 o C)
 - Acetone(-18 o C)
 - Acetaldehyde(-390 C)
 - Diethyl ether (-45 o C)
 - Gasoline (-45 o C)

Flammable Chemicals (cont.)

- Combustible Chemical: Chemical with flash point above 100 F and below 200 F (OSHA)
- Auto-Ignition Temperature: Minimum temperature at which a substance can ignite in air without an ignition source being present.

When Handling Flammable Chemicals

- Put flams in the flam storage cabinet when not in use.
- Minimize amounts of flam substances on lab bench.
- Do not work with or pour flam chemicals near an open flame or heat source.
- Store flams in a cool, dry, and well-ventilated place.
- Do not store flam chemicals with oxidizers.
- Do not store flam chemicals in a non-approved flammable refrigerator.

Handling Corrosive Chemicals

- Causes visible destruction of, or irreversible alterations in, living tissue by chemical action at the site of contact.
- Ph < or = to 2 or > or = to 12.5 (EPA)
- Includes both acids (Ex: sulfuric, nitric, hydrofluoric, etc.), and bases (ammonia, sodium hydroxide, etc...)
- Don't store acids and bases together!
- Add acids to water not the reverse. (Remember AA)

Handling Reactive/Unstable Chemicals

- A substance in which in the pure state, or as produced or transported, will vigorously polymerize, decompose, condense, or will become self-reactive under conditions of shocks, pressure or temperature (OSHA).

Examples:

- Water Reactive (sodium metal)
- Air Reactive (Pyrophoric materials) (t-Butyl-Lithium)
- Strong Oxidizing Agents (sulfuric acid)
- Acid Sensitive (strong bases)
- Peroxides (hydrogen peroxide)

Water Reactive Chemicals

- Chems that combine with water or moisture in the air to produce heat, flammable, explosive or toxic gases

Examples:

- Sulfuric acid
- Hydrochloric acid
- Sodium azide
- Alkali metals

Air Reactive Chemicals (Pyrophoric)

- Pyrophoric chems ignite spontaneously in air at room temp.

Examples:

- White phosphorous
- Ammonium nitrate
- Ammonium perchlorate
- Ammonium permanganate
- Benzoyl peroxide
- Boron hydrides
- Dinitrobenzene
- Lithium hydride
- Tert-butyl lithium

Oxidizing Agents

Many are capable of detonation or explosive decomposition under conditions of strong heat, confinement, or a strong shock. Violent reactions occur when strong OA's are mixed with wood or paper.

Acid Sensitive

- Chems that react with acids to produce heat, flammable, explosive, and / or toxic gases.

Examples:

- Alkali metals
- Hydroxides
- Carbonates
- Carbides
- Arsenic
- Cyanides
- Sulfides
- Most metal

Peroxides and Peroxide Forming Chemicals

- Chemicals that are dangerous because of their extreme sensitivity to shock, heat and friction. Peroxides are highly flammable.
- React with oxygen in ambient air and form shock sensitive peroxide crystals.
- Opening or shaking the bottle may cause detonation.
 - **Examples:**
 - Acrylonitrile
 - Butadiene
 - Styrene
 - Diethyl ether
 - Tetrahydrofuran
 - Divinyl ether
 - Sodium amide.

Toxic Chemicals

- **Acute Toxicity:** Caused by contact with a material for a short period of time.
- **Chronic Toxicity:** Repeated contact with a material for long period of time.

Quantified by:

- LD50: the amount of material, given all at once, which causes the death of 50% (one half) of a group of test animals.
- LC50: Concentration of the chemical in air that kills 50% of the test animals in a given time (usually four hours).

Routes of Chemical Exposure

- Inhalation
- Absorption
- Ingestion
- Punctures

Chemical Exposure Limits: Air

- **Permissible Exposure Limit (PEL):** OSHA maximum regulatory level of a chemical to which workers can be exposed to over an 8-hour workday, 5 days per week.
- **Threshold Limit Value (TLV):** Annually updated levels that are more current, but not regulatory. Published by the American Conference of Governmental Industrial Hygienists (ACGIH).
- **Threshold Limit Value-Ceiling Limit (TLV-C):** The “ceiling” level that cannot be exceeded at any time.
- **Short Term Exposure Limit (STEL):** Maximum concentration for a continuous exposure period of 15 minutes (with a maximum of four such periods per day, with at least 60 minutes between exposure period)

LD₅₀ Values - Toxicity

15,000 mg/Kg	Practically non-toxic
5,000-15,000 mg/Kg	Slightly toxic
500-5,000 mg/Kg	Moderately toxic
50-500 mg/Kg	Very toxic
5-50 mg/Kg	Extremely toxic
<5 mg/Kg	Super toxic

Multiply these by 70 Kg to get human LD₅₀

Examples:

- Sucrose: 2970 mg/Kg
- Sulfuric acid: 2410 mg/Kg
- Benzene: 930 mg/Kg
- Formaldehyde: 100 mg/Kg
- Nicotine: 3 mg/Kg

Classes of Toxic Chemicals

- **Asphyxiant:** Deprive oxygen from the body ex: Nitrogen, CO₂, He, H₂, Ar, CN, CO, HS
- **Anesthetics:** Depress the CNS causing drowsiness, disorientation, and stupor. Ex: Ethanol at high concentrations, chloroform
- **Irritants:** Cause irritation of the mucous membranes. Ex: strong corrosives (H₂SO₄, HCl, HS)
- **Allergic sensitizers:** Produce and allergic reaction (skin rash, tearing, sneezing, coughing, bronchitis) Ex: Isocyanates, formaldehyde, Ni, Cr, latex gloves

Classes of Toxic Chemicals

Systemic Toxins

- Hepatotoxins-Cause liver damage- Carbon Tetrachloride, 1,2-Dichloroethane
- Nephrotoxins-Cause kidney damage
- Neurotoxins-Damage the nervous system-CS₂
- Reproductive toxins-Impair fertility, damage germ cells or disrupt fetal development
 - Mutagens
 - Teratogens
 - ex: ethylene dibromide, benzene, lead, mercury, cadmium
- Carcinogens-Cause cancer-benzene, asbestos, vinyl chloride, acrylonitrile, ethylene dibromide

Working Safely With Chemicals

- Use the SDS to learn about the hazards
- Read the labels on the containers before use.
- Avoid distracting or startling others during handling of hazardous chemicals.
- Do not taste or smell chemicals.
- Never work alone.
- Do not eat, drink, or smoke in the lab or any chemical storage area.
- Use secondary containers when transporting chemicals to avoid dropping or spilling.
- Keep chemical work areas clean.

Working Safely With Chemicals (cont.)

- Confine long hair and loose clothing.
- Use proper PPE (safety glasses, lab coat, gloves, etc.)
- Work with chemicals in the fume hood.
- Notify supervisor immediately of chemical spills.
Have a chemical spill kit readily available.
- Dispose of hazardous waste properly.
- Consult supervisor or EHS with any questions about chemical you are working with.
- Ensure all bottles are closed tightly.

Receiving Chemicals

- The package will be marked if shipped according to DOT regs 19 CFR 171.
- Check for signs of leakage
- Insure you have the SDS available to those handling
- Open under hood when necessary
- Add to your chemical inventory list
- Store according to compatibility

Chemical Inventory

- Chemical location
- Responsible person(s) for the area
- Emergency contact and phone number
- After hours contact
- Manufacturers name
- Chemical name and CAS
- Container size and quantity
- Provide inventory to OEHS annually (electronically) and as new or increased quantity of existing chemicals are added
- Place the inventory in the front of the SDS binder

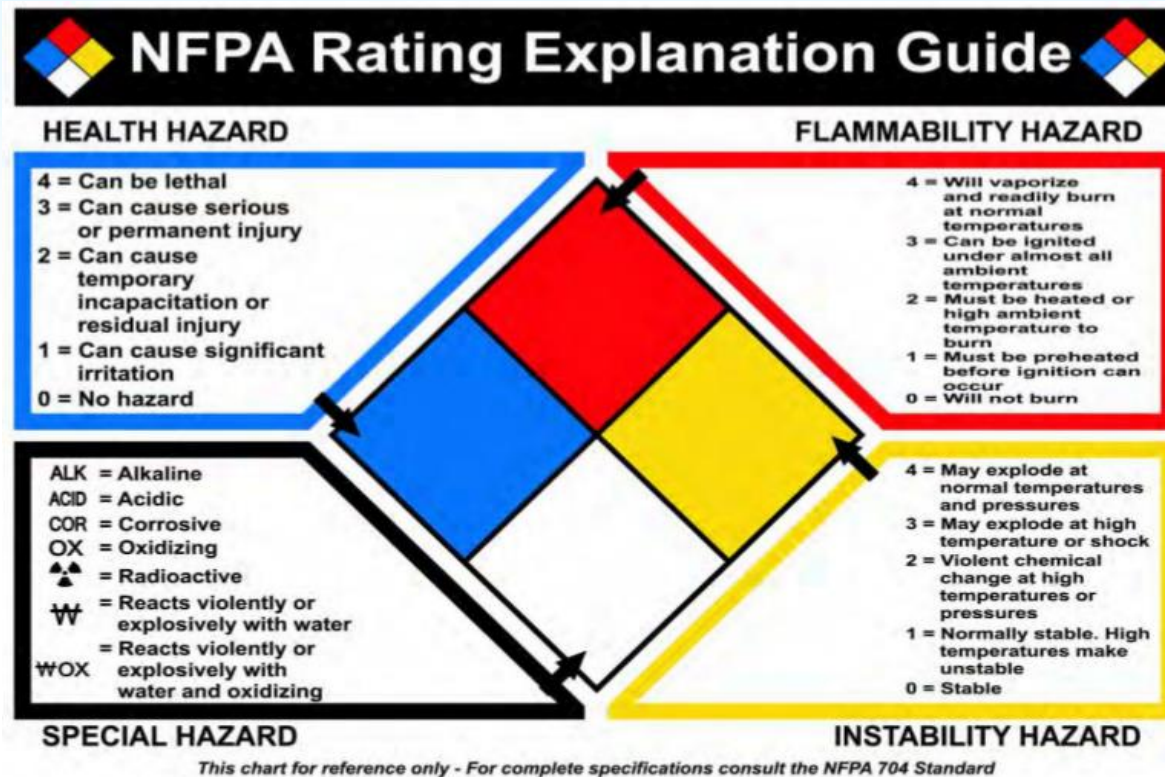
Chemical Labeling

- Date all incoming chemicals upon arrival to the campus.
- Time sensitive substances must be tested and disposed of within the active life cycle and prior to becoming more hazardous. (THF, picric acid, peroxide formers)
- Working solutions must be clearly labeled identifying the contents, concentration, and date of creation.

Container Labeling

- Inspect chemical bottle labels

NFPA Diamond



NFPA_Chart_2 www.ComplianceSigns.com

Finding Chemical Information

Product Labels

TOTAL R11, R36, R46, R67, R68/69, S9, S14, S26, S33, S40, S61, S62

1. Contenus cyclohexane
 R11: Facilement inflammable. R36: Irritant pour le peau. R46: Peut provoquer une altération des protéines en cas d'ingestion. R67: L'évaluation de risque peut provoquer l'apparition de nuages. R68/69: Une exposition peut provoquer des effets nocifs sur l'environnement. S9: Conservez dans un récipient approprié pour l'environnement. S14: Conservez le récipient dans un endroit bien aéré. S16: Conservez à l'écart de toute flamme ou source d'ignition - Ne pas fumer. S26: En cas de contact avec les yeux, rincer abondamment à l'eau courante. S33: Conservez dans un récipient approprié pour l'environnement. S40: Ne pas rejeter dans l'environnement. S61: Éviter le contact avec le sol. S62: En cas d'ignition, ne pas faire servir. Consulter immédiatement un spécialiste si le matériel est contaminé ou contaminé.

2. Contenus cyclohexane
 R11: Facilement inflammable. R36: Irritant to skin. R46: May cause long term damage if swallowed. R67: May cause skin irritation and dryness. R68/69: May be toxic to aquatic organisms. May cause long term adverse effects to the aquatic environment. S9: Keep container in a well-ventilated place. S14: Store in a well-sealed container. S16: Keep away from heat, sparks, open flames, hot surfaces. S26: In case of contact with eyes, rinse thoroughly with water. S33: Store in a well-sealed container. S40: Do not empty into the environment. S61: Avoid release to the environment. Refer to special instructions/ Safety Data Sheet. S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

3. Inhalt Cyclohexan
 R11: Leichtentzündlich. R36: Reizend für die Haut. R46: Gesundheitsschädlich, kann beim Verschlucken Langzeitschäden verursachen. R67: Dünneflüssigkeit, die bei Verschlucken zu ernsthaften Verätzungen führen kann. R68/69: Kann bei Kontakt mit Wasserorganismen, kann in Gewässern langfristige schädliche Wirkungen haben. S9: Behälter an einem gut gelüfteten Ort aufbewahren. S14: Von Zündquellen fernhalten - Nicht rauchen. S16: Behälter und der Abgang verpacken. S33: Mühsam gegen atmosphärische Auflockerung halten. S40: Dieses Produkt und sein Behälter sind als gefährlicher Abfall zu entsorgen. S61: Freisetzung in die Umwelt vermeiden. Besondere Anweisungen siehe Sicherheitsdatenblatt oder Datenblatt. S62: Das Verschlucken kann Gesundheitsschäden verursachen. Bei Kontakt mit Boden und Vegetation oder Wasser Umwelt schützen.

4. Informazio
 R11: Facilement inflamabile. R36: Irritante, poteri irritar la pell. R46: Poteri provocar danys a llarg termini si s'ingereix. R67: Poteri provocar irritació i sequedat. R68/69: Poter ser tòxic per organismes aquàtics. Pot provocar efectes nocius a llarg termini sobre l'entorn aquàtic. S9: Conservar el recipient ben ventilat. S14: Conservar el recipient en un lloc ben ventilat. S16: Allunyar del foc, espurnes, flames obertes, superfícies calentes. S26: En cas de contacte amb els ulls, rentar amb aigua abundantment. S33: Conservar el recipient ben tancat. S40: No buidar a l'entorn. S61: Evitar la contaminació. S62: En cas d'ingestió, no provocar vomit; demanar consell mèdic immediat i mostrar aquest recipient o l'etiqueta.

EC No: 203-800-2 UN1145 CYCLOHEXANE
 Total Fluides - ET, Esparses de General de Simile - La Defense 18 - F 91091 Paris, La Defense - France
 Tel: +33(0)1 47 38 42 84 - Fax: +33(0)1 47 38 42 85

F+ Haut
 F+ Inflammable
 N1 Aquatique
 N2 Océanique

F+ Facilement inflammable
 F+ Highly flammable
 N1 Aquatic
 N2 Marine

F+ Dangereux pour l'environnement
 F+ Dangerous for the environment
 N1 Environnemental
 N2 Marine

71536-EU1

SDS

MATERIAL SAFETY DATA SHEET Page 1
 Metal Cleaner

1. Product and Company Identification
 Product Code: D0479
 Product Name: Metal Cleaner
 Manufacturer Name and Address: PPS Industries, Inc., 4325 Riverchase Drive, P.O. Box 9, Aliso Viejo, CA 92701
 Emergency Contact: Emergency Medical/Spill Info: (949) 442-1300
 Technical Information: (949) 442-9610
 Chemical Family: ALD

2. Composition/Information on Ingredients

Ingredient Component (Chemical Name)	CAS#	Percentage	Other TPA	AGGREGATE	Other Labels
1. Ethanol (Alcohol)	111-94-1	100 - 200 %	0.015 Ethyl	0.015 Ethyl	Flammable
2. Dehydrochloroacetic Acid	115-34-2	100 - 200 %	Not Ethyl	Not Ethyl	Not Ethyl
3. Phosphate	7631-90-2	300 - 400 %	1 Ethyl	1 Ethyl	Not Ethyl

3. Hazards Identification
Emergency Overview
 Harmful or fatal if swallowed. May be corrosive. This product contains a material which causes skin burns. This product contains a material which causes irreversible eye damage. May be harmful if absorbed through the skin. Vapor may irritate and cause dizziness. Vapor irritates the nose, and throat. Vapor generated at elevated temperatures irritates eyes, nose, and throat.

Health of Safety
 Inhalation? No. Skin? No. Eyes? No. Ingestion? No.
Potential Health Effects (Acute and Chronic)
 INGESTION: Harmful or fatal if swallowed.
 EYE CONTACT: This product contains a material which causes irreversible eye damage.
 SKIN CONTACT: May be corrosive. This product contains a material which causes skin burns. May be harmful if absorbed through the skin.
 IRRITATION: Vapor irritates eyes, nose, and throat. Vapor generated at high temperatures may cause irritation of the respiratory system and permanent brain and nervous system damage.
 CHRONIC OVEREXPOSURE: Avoid long-term and repeated contact. This product contains an electrolyte which may cause irritation of the skin, nose, and throat. Repeated exposure to high temperatures may cause irritation of the respiratory system and permanent brain and nervous system damage.

UNION CARBIDE CORPORATION, 200 North Zeeb Road, P.O. Box 117, Danville, VA 24041
 LENOVO DATA SYSTEMS, INC., 1000 WOODLAND DRIVE, FARMINGDALE, NY 11737



NFPA Fire Diamond



Lab Safety Rules

- Ensure your students know when, where, how, of safety showers and eyewashes. These must be flushed on a regular basis.
- Only perform work that you are trained to do. Ask your lab supervisor or professor.
- Notify professor of all injuries
- Know the hazards of the chemicals you work with and first aid.
- Wear protective eyewear, lab coat, gloves, long pants, closed toed shoes, restrain long hair
- Know emergency procedures
- Never work alone. Buddy system always
- All students must sign the rules form and you must keep a record of this in lab files.

Reduce Exposure to Hazards

- **Engineering Controls:** remove or reduce hazard by substitution, isolation, or ventilation. Ex. Hood.
- **Admin Controls:** Reduce exposure time, training, good work practices, hazard recognition, control lab entry.
- **PPE:** Wear all required PPE and refer to the SDS for additional information on protecting yourself and students.

Reduce Exposure to Hazards (cont.)



Proper Use of Fume Hoods

- Do not use fume hood as storage area
- Look for air flow meter to verify airflow
- During use:
 - Work 6” within the fume hood, verify airflow
 - Avoid unnecessary storage of materials inside the hood
- Close the sash when not in use
- Do not ignore/silence alarm system
- After use:
 - Lower the hood sash
 - Cleanup all materials and spills inside the hood

Administrative Controls

- Implement operational procedures
- Ensure chemicals are closed tightly
- Label all chemicals and working stocks
- Store chemicals in cool, dry, well ventilated location. Not on counter tops.
- Inventory management. Dispose of time-sensitive materials, keep an active inventory list, maintain SDS, contact EHS for chemical management questions.

Inappropriate Lab Dress

- NO open toe shoes
- NO loose flowing clothing or hair
- NO dangling jewelry
- NO tank tops, shorts, half pants, mini skirts to avoid chemical contact with skin.

Exposure Prevention

- Select PPE based on the chemical
- Mandatory PPE
 1. lab jacket or apron
 2. face shields and or goggles
 3. gloves suitable for the chemical in use
 4. closed toed shoes made of durable material

Housekeeping

- Maintain a current chemical inventory and SDS's.
- Keep all chemical containers closed while not in use.
- Keep aisles clear and all work surfaces free of chemical residues.
- Avoid slipping hazards. Keep floor free from debris and spilled materials.
- Never store materials on the floor or hazardous liquids above eye level.
- Use non chromate glassware cleaners for easy disposal.
- Use all solvents under the hood and dispose of solvents in the properly labeled solvent can.
- Close all solvent containers when lab is completed.

Housekeeping (cont.)

- Never store materials on the floor or hazardous liquids above eye level
- Use non chromate glassware cleaners for easy disposal.
- Use all solvents under the hood and dispose of solvents in the properly labeled solvent can.
- Close all solvent containers when lab is completed.

Housekeeping (cont.)

- **Glass** - Dispose in designated glass waste containers
- **Sharps** - Dispose in sharps containers
- **Cylinders** - Chain to a wall and store with valve cover on, label as empty
- **Electrical** - Use outlets appropriate for instrument, don't overload circuits

Housekeeping (cont.)

- **Lockout/Tagout** – tags must be removed by maintenance personnel only!
- **Safety showers and eyewashes** must be clear of lab furniture and electrical equipment
- **Cylinders** – chain cylinders to a wall or non-movable table; store with valve cover on; label when empty and call CRS for pickup
- **Electrical** – Use outlets appropriate for instrument, don't overload circuits

Weekly Safety Checks

- Eye wash (purge)
- Fire extinguisher
- First Aid Kit
- Fume Hood
- Tubing, pressurized connections
- Chemical storage



Chemical Waste Disposal

- All chemical waste must be appropriately labeled
- Dispose of waste as soon as possible upon generating
- Submit a UAH Chemical Waste Inventory to the OEHS

Leaving the lab?

Turn off:

- Gas
- Water
- Power supplies
- Vacuum lines
- Compression lines
- Heating apparatus

Leaving the lab?

- Identify and package waste, dispose properly
- Lock/out and tag/out defective equipment
- Decontaminate work surfaces and equipment
- Return unused equipment, apparatus, etc.
- Leave lab coat in the lab
- Wash/dry your hands
- Close and lock door

Responding to Emergencies

Accident Response

Be prepared for emergencies

➤ ***Emergency Response Steps:***

1. Alert others in the area to the emergency
2. Protect yourself, know escape routes
3. Help any person in need (First Aid Kit Location)
4. Alert appropriate authorities for help call 6911
5. Complete injury consultation form & accident report

Responding to Emergencies

Bloodborne Pathogens

- AIDS
- Hepatitis
 - Hep-B vaccines for designated persons
- No contact with blood or body fluids
- Wear protective equipment, especially gloves & safety glasses
- Hospital / Laboratory Waste - “Red Bag”
- Sharps disposal

Responding to Emergencies

First Aid Safety Training

OEHS offers the following free classes for UAH employees

- Red Cross Standard First Aid (3 years)
- American Heart CPR/AED (1 year)
- Refresher classes for American Heart CPR/AED & Red Cross First Aid
- Other Safety and Env. Reg. courses

Responding to Emergencies

Chemical Spill Clean-up

- Small spills (<5 liter) of materials that do not require respiratory protection
 - Spill kits must be available in chemical stock rooms and in areas of high chemical use
 - Departments are responsible for replenishing the spill kit items when used
 - Call Police at 911 for all immediate response services
 - Police Officers must clear the area, collect chemical information and contact the OEHS
 - If there are injured persons and the chemical is not identifiable pull the fire alarm and call 911.

Responding to Emergencies

Types of Fire Extinguishers

Water
Class A Fires



CO2
Class B & C
Fires



Dry Chemical
Class A,B,C
Fires



Met-LX
Class D
Fires



Responding to Emergencies

Fire Extinguisher Use and Availability

To operate an extinguisher:

Pull

Aim

Squeeze

Sweep



Know your extinguisher
Use the correct extinguisher

*(Check your own extinguisher's label
for detailed instructions.)*

Responding to Emergencies

In Case of a Fire: R.A.C.E.

- **Remove** anyone from the area
 - **Activate** closest pull station
 - **Call** 911
 - **Extinguish** if safe and **Evacuate**
- These steps do not have to be followed in sequential order. Assess the situation and determine the appropriate course of action.

Responding to Emergencies

Evacuation

- Notify people in the immediate area
- Lead students to the nearest stairwell and evacuate down. Never up.
- Mobility impaired persons should be taken to the stairwell and left on the landing. Tell the floor captain immediately if there are any persons on landings or remaining in the bldg.
- Proceed to the assembly area, insure all are accounted for.
- Do not leave or re-enter until the floor captain provides notice.

Responding to Emergencies

Severe Weather Refuge

- Upon notification of severe weather immediately take yourself and your class to the protective areas designated on Emergency Maps.
- If unsure where this is or there is not one designated go to the lowest innermost part of the building away from windows, doors, stairwells.
- Do not return to the classroom until the all clear is received from the floor captain.

Responding to Emergencies

Safety Practices

- Inspect work area daily
- Be an observer - stay alert
- Housekeeping, Housekeeping, Housekeeping
- Best safety device - Plan ahead
- If you're not sure - Ask someone!
- Report Injuries/Incidents/Illnesses to lab supervisor
- Report safety issues to the lab safety chairperson

Acknowledge Training

[Click here to acknowledge receipt of training](#)

– If you have any questions contact:

- Office of Environmental Health and Safety
Shelbie King Hall
301 Sparkman Drive
Huntsville, AL 35899
- oehs@uah.edu
- 256-824-6053