



LABORATORY SAFETY: QUICK REFERENCE GUIDE

In Case of Emergency

911 or **956-326-2911**



Chemicals & Waste Management

To ensure the safety of yourself and others working in the lab, please remember the following:



CLEAN

- Use containers free of leaks, cracks, or chemical residue
- Leave adequate head space for contents inside.
- Only use content compatible containers (e.g., never use glass for hydrofluoric acid)



CLOSED

- Properly closed containers won't leak if/when tipped over
- Avoid temporary closing (e.g., foil and parafilm)
- Lids or caps should fit securely and tightly



LABELED

- No abbreviations or formulas (e.g., write *Formaldehyde*, not CH₂O)
- Identify any and all hazards such as flammable or toxic
- Clearly identify a container as "Hazardous Waste"
- Describe container contents accurately and concisely

Additional Guidelines

- Use secondary containment when storing chemicals
- Follow waste handling guide for treatment and/or disposal of various substances
- Contact TAMIU Environmental Health and Safety with any questions or to schedule a waste pickup

Emergency Resources

Most research and teaching labs on campus are equipped with the following safety equipment:



Fire Extinguisher



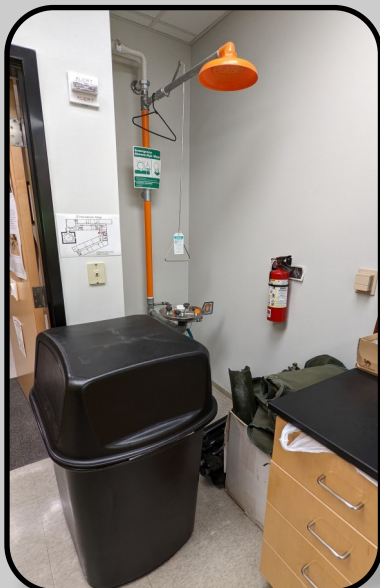
Chemical Spill Cleanup Kit



Emergency Rinsing Equipment



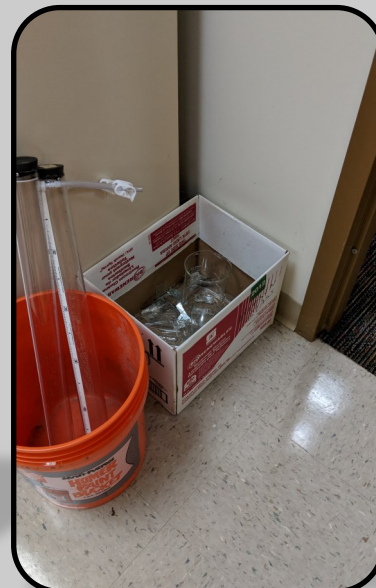
Emergency Electrical Shut-down



Keep emergency equipment including fire extinguishers, exit doors, and electrical panels accessible.



Label all containers including those used as a secondary container.



Discard wastes using the proper procedure and receptacle. If you're not sure, ask.

Reminders

- 1 Ensure students receive applicable training and document it.
- 2 Keep all safety equipment accessible and unobstructed (e.g., eyewash).
- 3 Ensure PPE is available, visible, and easily accessible.
- 4 Reference waste management poster for treatment and disposal guidance.
- 5 Contact EHS >24 hrs. prior to shipping hazardous materials (e.g., dry ice).
- 6 Contact EHS before purchasing equipment requiring significant room modifications and/or special licenses.

Safety Data Sheets

Safety Data Sheets (SDS), formerly Material Safety Data Sheets (MSDS), provide valuable information on chemicals as well as procedures for handling and working with a substance safely. The SDS includes information such as physical data (boiling point, flash point, etc.), health effects, toxicity, first aid, storage, disposal, personal protective equipment, and spill/leak procedures.

SDSs are now available online for free using MSDS Online. This web-based platform provides 24/7 access to the industry's leading SDS database. It's as easy as 1-2-3!

- 1) Scan the QR code on your lab entrance door
- 2) Create account (if new user)
- 3) Search and download applicable SDSs

MSDSonline
— a VelocityEHS solution —



**ENVIRONMENTAL
HEALTH AND SAFETY**

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