



Lawrence Berkeley
National Laboratory

Berkeley Lab Training Program

CSD 0010 – Safety On-Boarding for Chemical Sciences Division

Course Syllabus

Subject Category: Chemical Science Division
Course Length: 30 min
Delivery Mode: (classroom)

Course Prerequisite: No
Medical Approval: No

Course Purpose: This safety orientation is for Chemical Sciences Division researchers who are new to the Division. This orientation reinforces safety related information and processes presented in EHS training courses and furthers these by providing specific guidance, resources and instruction related to the following: Integrated Safety Management (ISM), Work Alone Policy, Stop Work, Chemical inventory and Chemical spill response, Waste processing, Managing reactive & time sensitive chemicals, Purpose of Door Postings and Signage, Personal Protective Equipment requirements.

Learning Objectives:

After completing this training, participants will be able to:

- Determine if authorized to Work Alone or not by referring to Activity Authorization.
- Use vendor form, packing slip and chemical management system to effectively onboard new chemicals.
- Properly log exhausted waste.
- Determine how to reuse empty chemical bottles for waste collection.
- Determine when to separate/segregate chemicals and use secondary containment.
- Determine the distance and/or barrier requirements for storing incompatible gases.
- Given different types of chemical spills determine how to respond:
 - Who, when and how to notify.
 - Whether to clean up or evacuate.
 - When, how and why to control the area of spill.
 - Where to locate spill clean-up kits.
- Determine PPE requirements for work areas.
- Identify the process, allowance and requirements for neutralizing acids.
- Safely store peroxide forming compounds according to CSD process.
- Determine when and how to test peroxide forming compounds.

Course Instructional Materials:

Handouts

Training Compliance Requirements: Division operational need.

Written Exam: No

Practical Exam: No.

Retraining/Recertification: No

Challenge Exam: No.

WEB Resource: Berkeley Lab Training Program website: <http://training.lbl.gov/>