



Lawrence Berkeley
National Laboratory

Berkeley Lab Training Program

EHS 0366 Working Safely With Silica

Course Syllabus

Subject Category: EHS Safety
Course Length: 45 minutes
Delivery Mode: Online

Course Prerequisite: No
Medical Approval: No

Course Purpose: Purpose is to raise awareness about the health risks that airborne silica dust presents, as well as the tools and methods used as protection. Further, it explains how to identify products that contain silica, and how to recognize common work tasks that can expose workers to respirable crystalline silica. It also teaches how to select appropriate PPE, tools, and apply other methods to control silica dust for worker protection and the protection of others in the area.

Who training is for: This course is for Facilities workers who have been identified to have a higher risk of exposure to airborne silica dust including carpenters, laborers, painters, and plumbers.

Objectives:

After successfully completing this course, you should be able to:

- Identify the health hazards associated with exposure to respirable crystalline silica
- Identify if a product contains silica or not
- List common medical conditions associated with breathing silica dust
- List specific work tasks that could expose you to respirable crystalline silica
- Identify specific methods and controls to protect you from exposure to respirable crystalline silica
- Choose the appropriate tools and PPE based on the task and potential exposure to silica
- Describe the medical surveillance program at LBNL
- Identify a silica competent person
- Protect others by appropriately establishing regulated areas, including posting appropriate signs
- Use appropriate methods to clean up worksites of any remaining silica dust

Training Compliance Requirement: OSHA's [Occupational Exposure to Respirable Crystalline Silica](#); and LBNL's Pub 3000, Chapter 10 and Appendix A (the *LBNL Construction Safety Manual*).

Retraining/Recertification: Annual

WEB Resource: <http://training.lbl.gov/bltCourses.html>