

ENVIRONMENT, SAFETY & HEALTH DIVISION

Chapter 40: [Chemical Lifecycle Management](#)

Quick Start Summary

Product ID: [634](#) | Revision ID: 2380 | Date published: 26 May 2021 | Date effective: 26 May 2021

URL: <https://www-group.slac.stanford.edu/esh/eshmanual/references/chemmanageQuickstart.pdf>

1 Who needs to know about these requirements

The requirements of Chemical Lifecycle Management apply to workers (as *chemical users, requesters, and receivers*), their supervisors and line management, *chemical storage asset custodians*, ESH coordinators, *chemical reviewers*, the chemical coordinator, the SLAC fire marshal, the chemical lifecycle management program manager, and subcontractors and the Building Inspection Office.

2 Why

Chemicals and other *hazardous materials* are routinely used and stored at SLAC. To protect the environment and the health of workers, visitors, and the surrounding community, these chemicals are strictly managed throughout their lifecycle, from purchasing to final disposition.

3 What do I need to know

- SLAC utilizes the *chemical management services* supply chain model for chemical management. All chemical purchases must be initiated and fulfilled through the [Chemical Management System](#).
- Chemicals are approved for specific *work areas*, based on use and amount. Once approved, a chemical may be reordered using the system without further ESH approval, as long as original conditions are met. As part of the initial approval, chemical reviewers will review hazards and controls, establish additional requirements that may apply for toxic or hazardous chemicals, and suggest less toxic alternatives. Reuse of existing supplies is highly encouraged, as is keeping on-site inventories to a minimum.
- Chemicals must be handled, used, and stored according to requirements. This includes proper use and inspection of approved storage assets and areas and maintenance of inventories.
- Hazard communication and mitigation related to chemicals are covered in [Chapter 53, “Chemical Safety”](#); transportation, in [Chapter 52, “Hazardous Materials and Waste Transportation”](#); chemical use in laboratories, in [Chapter 58, “Laboratory Safety”](#).

4 When

The requirements of this chapter take effect 26 May 2021.

5 Where do I find more information

[SLAC Environment, Safety, and Health Manual](#) (SLAC-I-720-0A29Z-001)

- [Chapter 40, “Chemical Lifecycle Management”](#)

Or contact the [program manager](#).