Standard Operating Procedure (SOP) Templates

Cal/OSHA requires that standard operating procedures (SOPs) be established for work with hazardous chemicals. This requirement is stated in 8 CCR §5191 [1] (Occupational Exposure to Hazardous Chemicals in Laboratories, “Laboratory Standard”) under the provisions of the Chemical Hygiene Plan. SOPs document the laboratory-specific procedures for the safe handling, storage, and disposal of hazardous chemicals. Principal investigators and laboratory supervisors are responsible for establishing SOPs relevant to health and safety for laboratory activities involving hazardous chemicals.

Chemicals classified as “Particularly Hazardous Substances” have additional SOP requirements. Particularly Hazardous Substances include acutely toxic chemicals, reproductive toxins, and “select carcinogens.” For these materials, specific consideration shall be given to the following elements, which shall be included where appropriate:

1. The establishment of a designated area.
2. The use of containment devices, such as fume hoods or glove boxes.
4. Decontamination procedures.

The SOP templates have been prepared under direction of the UC Davis Chemical and Laboratory Safety Committee (CLSC) [2]. These templates include a general SOP template [3] and several control-banded SOP templates. The CLSC has also approved campus minimum SOP requirements, including a guidance reference document [4]. These requirements shall be implemented no later than October 1, 2019. Please contact chem-safety@ucdavis.edu [5] or your Laboratory Safety Professional with any questions or for assistance in implementing the requirements.

For assistance in developing laboratory-specific SOPs or determining whether a chemical is suitable for inclusion in a control band, contact chem-safety@ucdavis.edu [6]. Do NOT use the Listed Carcinogen SOP without consulting EH&S.

- **Acutely Toxic Gases** [7] - Version 1.6, Last Updated: 5/10/2017
- **Acutely Toxic Solids and Liquids** [8] - Version 1.5, Last Updated: 5/10/2017
Carcinogens [10] - Version 1.4, Last Updated: 5/10/2017
Cryogens [12] - Version 1.5, Last Updated: 6/19/2018
Flammable Liquids [14] - Version 1.4, Last Updated: 5/10/2017
Furnaces [16] - Version 1.0, Last Updated 12/1/2017
Hydrofluoric Acid [17] - Version 1.0, Last Updated 12/1/2017
Listed Carcinogens [19] - Version 1.5, Last Updated: 5/10/2017
Pyrophorics [22] - Version 1.5, Last Updated: 5/10/2017
Reproductive Toxins [23] - Version 1.5, Last Updated: 5/10/2017
Sodium Azide [24] - Version 1.3, Last Updated: 5/10/2017
Water Reactives [26] - Version 1.0, Last Updated 12/1/2017
Working Alone [27] - Version 1.4, Last Updated: 5/10/2017

Contact

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More information
https://safetyservices.ucdavis.edu/research-safety-staff-listing [28]

Related content

1. Chemical & Laboratory Safety Committee
2. Controlled Substances
3. Hazard Assessment Tool
4. Laboratory Safety Manual
5. Laboratory Safety Plan