



SAFETY UNLIMITED, INC.

Weekly Safety Meeting

Chemical Hygiene Plan

OSHA's Occupational Exposure to Hazardous Chemicals in Laboratories standard (29 CFR 1910.1450), referred to as the Laboratory Standard, specifies the mandatory requirements of a Chemical Hygiene Plan (CHP) to protect laboratory workers from harm due to hazardous chemicals.

The CHP is a written program stating the policies, procedures, and responsibilities that protect workers from the health hazards associated with the hazardous chemicals used in that particular workplace.

Required CHP Elements:

1. Standard operating procedures relevant to safety and health considerations for each activity involving the use of hazardous chemicals;
2. Criteria that the employer will use to determine and implement control measures to reduce exposure to hazardous materials (i.e., engineering controls, the use of personal protective equipment (PPE), and hygiene practices) with particular attention given to selecting control measures for extremely hazardous materials;
3. A requirement to ensure that fume hoods and other protective equipment are functioning properly and identify the specific measures the employer will take to ensure proper and adequate performance of such equipment;
4. Information to be provided to lab personnel working with hazardous substances including:
 - o The contents of the Laboratory standard and its appendices;
 - o The location and availability of the employer's CHP;
 - o The permissible exposure limits (PELs) for OSHA regulated substances or recommended exposure limits for other hazardous chemicals where there is no applicable OSHA standard;
 - o The signs and symptoms associated with exposures to hazardous chemicals used in the laboratory; and
 - o The location and availability of known reference materials on the hazards, safe handling, storage, and disposal of hazardous chemicals found in the laboratory including, but not limited to, the Safety Data Sheets received from the chemical supplier.
5. The circumstances under which a particular laboratory operation, procedure, or activity requires prior approval from the employer or the employer's designee before being implemented;
6. Designation of personnel responsible for implementing the CHP, including the assignment of a Chemical Hygiene Officer and, if appropriate, establishment of a Chemical Hygiene Committee;
7. Provisions for additional worker protection for work with particularly hazardous substances including "select carcinogens," reproductive toxins, and substances that have a high degree of

acute toxicity--specific consideration must be given to the following provisions and shall be included where appropriate:

- Establishment of a designated area;
 - Use of containment devices such as fume hoods or glove boxes;
 - Procedures for safe removal of contaminated waste; and
 - Decontamination procedures.
8. The employer must review and evaluate the effectiveness of the CHP at least annually and update it as necessary.

Medical Exams and Consultation:

The employer must provide all personnel who work with hazardous chemicals an opportunity to receive medical attention, including any follow-up examinations which the examining physician determines to be necessary, under the following circumstances:

- Whenever a worker develops signs or symptoms associated with a hazardous chemical to which the worker may have been exposed in the laboratory, the worker must be provided an opportunity to receive an appropriate medical examination.
- Where exposure monitoring reveals an exposure level routinely above the action level (or in the absence of an action level, the PEL) for an OSHA regulated substance for which there are exposure monitoring and medical surveillance requirements, medical surveillance must be established for the affected worker(s) as prescribed by the particular standard.
- Whenever an event takes place in the work area such as a spill, leak, explosion, or other occurrence resulting in the likelihood of a hazardous exposure, the affected worker(s) must be provided an opportunity for a medical consultation to determine the need for a medical examination.
- All medical examinations and consultations must be performed by or under the direct supervision of a licensed physician and be provided without cost to the worker, without loss of pay and at a reasonable time and place.

Remember:

The purpose of this Laboratory Safety and Chemical Hygiene Plan is to provide guidance for the safe handling of all hazardous chemicals in laboratories, ensure compliance with OSHA, EPA, and other applicable regulations, and demonstrate that this Plan meets or exceeds the requirements of OSHA's Laboratory Safety Standard.

If you are aware of it, take care of it!

Safety Meeting Sign-In Sheet

<i>Supervisor:</i>	<i>Subject:</i>
<i>Location:</i>	<i>Date:</i>
<i>Conducted By:</i>	<i>Trainer Signature:</i>

Name (print clearly)	Signature	Comments / Safety Concerns / Training Requests

