

Safe Handling of Chemicals

Researchers should develop safe handling guidelines (SOP's) for work with hazardous chemicals. OSHA requires the development of SOP's for any work with "Particularly Hazardous Chemicals" i.e. carcinogens, highly toxic chemicals or chemicals that impact reproductive tissues and processes. Handling guidelines are provided below. Additionally, handling guidelines and hazard information can be obtained for laboratory chemicals using various internet based sites, as illustrated below for benzene (flammable, carcinogenic, potential reproductive impact):

- [SDS online search](#)
- [ATSDR - Agency for Toxic Substances and Disease Registry](#)
- [NIOSH Pocket Guide to Chemicals](#)
- [NIOSH/WHO - International Chemical Safety Cards](#)
- [Canadian Center for Occupational Health and Safety](#)
- [NIH Webwiser](#)
- [TOXNET \(U.S. National Library of Medicine\) - HSDB \(Hazardous Substances Database\)](#)
- [CAMEO](#)