

Laboratory Safety Resources

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Free Resources:

1. free **OSHA Publications** from the U.S. Department of Labor, Occupational Safety and Health Administration. Free booklets and leaflets about individual OSHA standards can be obtained from the following website:

<http://www.osha.gov/Publications/OSHA-pubs-listing.pdf>

You may request 5 publications using this form, or print any of their many on-line fact sheets, brochures, booklets, fact sheets and posters. <http://www.osha.gov> also has a variety of information that you can download directly from this website, such as fact sheets, compliance guides and regulations. Absolutely download **OSHA “Laboratory Standard”** search [29CFR1910.1450](#) and **Appendix A** and **Appendix B**. Also download the **OSHA “Hazard Communication Standard”** search [HazCom 2012](#), or search [29CFR 1910.1200](#) and its **Appendices A, B, and E**.

2. free ***Safety in Academic Chemistry Laboratories, Accident Prevention for Faculty and Administrators, 7th edition Volume 2*** available from the American Chemical Society. To order a copy of this or other Safety publications from ACS, please contact the Office of Society Services at 1-800-227-5558 or email help@acs.org
3. free ***Safety in Academic Chemistry Laboratories, Accident Prevention for College and University Students, 7th edition Volume 1*** available from the American Chemical Society. To order a copy of this or other Safety publications from ACS, please contact the Office of Society Services at 1-800-227-5558 or email help@acs.org.
4. free ***Creating Safety Cultures in Academic Institutions: A Report of the Safety Culture Task Force of the ACS Committee on Chemical Safety*** by the American Chemical Society’s (ACS) Joint Board–Council Committee on Chemical Safety (CCS) Visit <http://portal.acs.org/portal/acs/corg/content> Go to Governance tab, click on Committees, go to Chemical Safety, then scroll to find the committee’s report, and click on the link for a web version. Or get your free copy here today!
5. free documents to assess your safety program, lab inspection check lists, student safety contracts, and a copy of the University of New Hampshire Biological & Chemical Safety Plan at **Laboratory Safety Institute**. Visit this website at:

<http://www.labsafetyinstitute.org/>

<http://www.resources.labsafetyinstitute.org/FreePublications.html>

Also become a Laboratory Safety Institute member and receive 3 safety newsletters per year and use of the Audio-Visual Lending Library, click on the “Join LSI” link. LSI offers one day, 2 day and 24-hour lab safety workshops, as well as webinars for the lab safety training. Dr. James Kaufman is the nation’s expert on laboratory safety. LSI will be offering workshops in the Chicagoland area May 21-23, and October 1-2, 2013. Check out the LSI’s Training Courses at <http://www.labsafetyinstitute.org/dates2013.html>

Safety Supply Vendors:

1. **The Laboratory Safety Institute** (books, literature, publications and audio/video library) Visit the LSI website at <http://www.labsafetyinstitute.org/> or call 1-508-647-1900 for additional information.
2. **Flinn Scientific** is a science vendor that caters to high school teachers. Order their catalog, which contains good articles on safety, such as how to clean up and organize a chemical storage room. They also have a **free** Chemical Hygiene Plan, safety meeting notes, and Teacher's Survival Kit <http://www.flinnsci.com/>
3. **Fisher Safety Supply** 1-800-772-6733 (goggles, gloves, respirators, labels and signs) <http://www.fishersafety.com> Purchase GHS posters and pictogram stickers from Accuform Signs representative Howard Stein at Fisher Safety (724)517-2278 howard.stein@thermofisher.com

Additional Safety Websites:

<http://www.dr.illinois.edu/css/guidesplans/safety/index.aspx> University of Illinois at Urbana-Champaign Office of Research safety guidelines and Chemical Hygiene Plan.

<http://www.cdc.gov/niosh/> Center for Disease Control and National Institute for Occupational Safety and Health. This website offers a variety of information on workers health and safety issues.

<http://ntp.niehs.nih.gov/> National Institute of Environmental Health Sciences and the National Toxicology Program. NTP prints an annual report on carcinogens. You can download a copy of the most current Report on Carcinogens from this website or you can purchase a hard copy.

Safety Training:

1. **The Laboratory Safety Institute** Dr. James Kaufman, founder and director of the LSI, is the nation's leader in teaching laboratory safety. Visit the LSI website at <http://www.labsafety.org> or call 1-508-647-1900 for a list of upcoming workshops and webinars.
2. **The National Safety Council** offers week-long general safety training workshops such as Principles of Occupational Safety & Health, Safety Management Techniques, Safety Training Methods, and Industrial Hygiene as well as some 1-day workshops. The NSC also carries a variety of safety publications and training tools. The NSC also has the nation's largest safety library located in Itasca, IL. Visit the NSC website at <http://nsc.org/> or call 1-800-621-7619 for a "product and services catalog"

Recommended Books and Reference Materials:

1. OSHA Code of Federal Regulations “*OSHA Standards for General Industry*” **29CFR1910.1000 to end** (includes Hazard Communication Standard 29CFR1910.1200, Lab Standard 29CFR1910.1450 and Bloodborne Pathogens Standard 29CFR 1910.1030). Order from <http://www.osha29cfr.com/> or www.amazon.com Make sure you get the most updated version!
2. OSHA Code of Federal Regulations **29CFR1900 to 1910.999** (includes OSHA regulations regarding fire, electrical and reporting requirements and other general requirements).
3. “**Prudent Practices in the Laboratory: Handling and Disposal of Chemicals**”, National Research Council, 1995. ISBN 0-309-05229-7
4. “**Handbook of Laboratory Health and Safety**”, Stricoff & Walters, ISBN 0-471-02628-X
5. “**CRC Handbook of Laboratory Safety**”, A. Keith Furr, ISBN 0-8493-2523-4
6. “**Fire Protection Guide to Hazardous Materials**”, National Fire Protection Assoc. ISBN 0-87765-473-5
7. “**A Comprehensive Guide to the Hazardous Properties of Chemical Substances**”, Pradyot Patnaik, ISBN 0-442-00191-6
8. “**NIOSH Pocket Guide to Chemical Hazards**” U.S. Department of Health and Human Services, Center for Disease Control,
9. “**Science Classroom Safety and the Law – A Handbook for Teachers**”, Kelly Ryan, Esq. ISBN 1-87799165-1
10. “**Science Laboratory Safety Manual**” Linda M. Stroud, ISBN 978-0-9788796-1-7
www.sciencesafetyconsulting.com