SUGGESTED INTERNET SOURCES FOR SAFETY INFORMATION

Georgia State University, Department of Safety and Risk Management: http://www.gsu.edu/auxiliary/safety.html

Right To Know http://www.gsu.edu/auxiliary/38489.html

Material Safety Data Sheets (MSDS) / Chemical Facts

National MSDS Repository: http://www.msdssearch.com/


University of Akron: http://ull.chemistry.uakron.edu/erd/

Oxford University: http://physchem.ox.ac.uk/MSDS/

University of Vermont: http://siri.org/


VWR: http://www.vwrsp.com/search/index.cgi?tmpl=msds

MSDS Provider: http://www.msdsprovider.com/Site/msdsprovider.nsf/about

MSDS's for Infectious Substances: http://www.phac-aspc.gc.ca/msds-fss/

International Chemical Safety Cards (ICSCS)-On Main Site, Several languages available http://www.cdc.gov/niosh/ipcs/icstart.html

Search by chemicals, international English version.

New Jersey Right to Know Hazardous Substance Fact Sheets: http://web.doh.state.nj.us/rtkhsfs/indexfs.aspx?lan=english


Chemical Abstract Service Number (CAS#) Registry: http://www.cas.org/expertise/cascontent/registry/index.html

National Fire Protection Association (NFPA): http://www.nfpa.org

Chemical Safety Information


The Pocket Guide includes the following:
1. Chemical Names, synonyms, trade names, conversion factors, CAS, RTECS, and DOT Numbers
2. NIOSH Recommended Exposure Limits (NIOSH RELs)
3. Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs)
4. NIOSH Immediate Dangerous to Life and Health values (NIOSH IDLHs)
   (documentation for those values can be found elsewhere on this website)
5. A physical description of the agent with chemical and physical properties
6. Personal Protection and Sanitation Recommendations
7. Respirator Recommendations
8. Information on Health Hazards including route, symptoms, first aid and target organ information.

Occupational Health Guidelines for Chemical Hazards: http://www.cdc.gov/niosh/docs/81-123/

The EXtension TOXicology NETwork: http://extoxnet.orst.edu/ghindex.html

TOXNET, National Library of Medicine, National Institutes of Health; www.toxnet.nlm.nih.gov

The Chemical Reactivity Worksheet is a free program you can use to find out about the reactivity of substances or mixtures of substances (reactivity is the tendency of substances to undergo chemical change).
http://response.restoration.noaa.gov/chemaids/react.html

The Occupational Health and Safety Administration (OSHA) Searchable Site For Safety Regulations (Including Laboratory Safety and Chemical Exposure Limits): http://www.osha.gov/

This chapter of the Georgia Code (45-22-1) is known as the "Public Employee Hazardous Chemical Protection and Right to Know Act of 1988". This site contains the entire Law (You need to search the Code and the entire law is displayed at (45-22-2)).
Online Training

Right-To-Know Training (a Test of Knowledge and Documentation of Training):
http://www.usg.edu/ehs/training/rtkbasic/

Chemical Specific Training Program (a Test of Knowledge and Documentation of Training) Designed to provide safety guidelines for commonly used chemicals in the work place. http://www.usg.edu/ehs/training/chemical/

Hazardous Waste Awareness Training Program (a Test of Knowledge and Documentation of Training) Designed to educate employees on the importance and benefits of properly identifying, handling, and disposing of hazardous wastes. http://www.usg.edu/ehs/training/hazwaste/

Introduction to Bloodborne Pathogens. Designed for those who have the potential to be exposed to blood or other potentially infectious material. It provides a basic understanding of bloodborne pathogens, common modes of transmission, and methods of preventing exposure. http://www.usg.edu/ehs/training/pathogens/

The Virtual Labs Series produced by the Howard Hughes Medical Institute (HHMI) Bacterial ID Lab, Cardiology Lab, Immunology Lab, Neurophysiology Lab, Transgenic Fly Lab http://www.biointeractive.org/vlabs/index.html

Back Safety http://www.gsu.edu/~wwwsaf/back/back.htm

US Nuclear Regulatory Commission http://www.nrc.gov/
This is searchable site contains extensive information about radioactive materials.

BioSafety Information

The American Biological Safety Association (ABSA) (Includes information about Select Agent Registration, Bioterrorism, CDC's Interstate Shipments of Etiologic Agents; Select Agents) http://www.absa.org/

The 1, 2, 3's of Biosafety Levels By: Jonathan Y. Richmond, Ph.D. Director, Office of Health and Safety, Centers for Disease Control and Prevention Atlanta, GA 30333 http://www.cdc.gov/od/ohs/symp5/jyrtext.htm

CDC's Online Biosafety in Microbiological and Biomedical Laboratories (BMBL) 5th Edition: http://www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm

Centers for Disease Control and Prevention (CDC) http://www.cdc.gov/

Online Safety Library: A virtual library of topics related to biosafety: http://ehs.okstate.edu/LINKS/biosaf.htm

Bloodborne Pathogen Safety Information:

Occupational Health and Safety Administration Bloodborne Pathogen WebPage:


Online Safety Library: Bloodborne Pathogens - Oklahoma State University http://www.ehs.okstate.edu/manuals/Bloodbwn.htm


National Institute for Occupational Safety and Health (NIOSH) http://www.cdc.gov/niosh/database.html

Public Health Service Guidelines for the Management of Health-Care Worker Exposures to HIV and Recommendations for Postexposure Prophylaxis http://aepo-xdv-www.epo.cdc.gov/wonder/prevguid/m0052722/m0052722.asp

Updated U.S. Public Health Service Guidelines for the Management of Occupational Exposures to HBV, HCV, and HIV and Recommendations for Postexposure Prophylaxis http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5011a1.htm

Public Health Service Guidelines for the Management of Health-Care Worker Exposures to HIV and Recommendations for Postexposure Prophylaxis http://aepo-xdv-www.epo.cdc.gov/wonder/prevguid/m0052722/m0052722.asp


Updated U.S. Public Health Service Guidelines for the Management of Occupational Exposures to HBV, HCV, and HIV and Recommendations for Postexposure Prophylaxis http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5011a1.htm

CDC's HBV Question and Answer web site is http://www.cdc.gov/hepatitis/index.htm#6.
Laboratory Safety Information

Fire Safety and Fire Extinguishers In a Laboratory
http://www.ilpi.com/safety/extinguishers.html

Fume Hoods

SEFA 1-2006, Recommended Practices for Laboratory Fume Hoods (free From:
http://www.sefalabs.com/i4a/pages/index.cfm?pageid=3320

Industrial Ventilation: A Manual of Recommended Practice (for sale at
http://www.acgih.org/)

Personal Protective Equipment (PPE) Information

Ansell Edmont Glove Permeation Data
http://www.westernsafety.com/aechemguideindex.html

Best Manufacturing (Best Gloves)  http://www.bestglove.com/

Comasec Safety Inc.  http://www.comasecsafety.com/

Perfect Fit Gloves http://www.perfectfitglove.com/


Kappler High Performance Fabrics  http://www.kappler.com/

Kimberly Clark Protective Apparel http://www.kc-safety.com/x_home.html

Mapa  http://www.mapaglove.com/

Moldex  http://www.moldex.com/
(Hearing Protection and respiratory protection)

MSA  (Mine Safety Appliances produces complete range of equipment and systems for personal protection, not just for mine workers.)  http://www.msanet.com/

North Safety Products  http://www.northsafety.com/

National Institute of Health (NIOSH) : Recommendations for Chemical Protective Clothing
http://www.cdc.gov/niosh/ncpc/ncpc1.html

Suggested Personal Protective Equipment Reference Book

Quick Selection Guide to Chemical Protective Clothing,
Krister Forsberg, S.Z. Mansdorf


The Quick Selection Guide includes 100 new chemicals and almost 1000 more selection recommendations than previous editions. This pocket guide includes 700 chemicals and additional synonyms, CAS numbers, risk codes, and special notations to alert the user. Also this edition has a section on protective clothing against chemical warfare agents. John Wiley & Sons; softcover; 147 pgs

Ergonomics Information

Occupational Health and Safety Administration (OSHA) – Interactive Website for Ergonomic Solutions for Computer Workstations :

CDC/NIOSH Ergonomics, Human Factors and Musculoskeletal Website
http://www.cdc.gov/niosh/topics/ergonomics/

Emergency Response and Preparedness and Bioterrorism

Department of Transportation (DOT) Emergency Response Guide & Labels
Full version downloadable or searchable by chemical.
http://hazmat.dot.gov/pubs/erg/gydebook.htm

Bioterrorism Agents/Diseases - CDC - A to Z By category
http://www.bt.cdc.gov/agent/agentlist-category.asp

Public Health Assessment of Potential Biological Terrorism Agents
http://www.cdc.gov/ncidod/eid/vol8no2/01-0164.htm

Medical Aspects of Chemical and Biological Warfare - Military Medicine Textbook- Walter Reed Medical Center. Files/chapters are in Acrobat.PDF format.

Indoor Air Quality

EPA/NIOSH Building Air Quality A Guide for Building Owners and Facility Managers
http://www.cdc.gov/niosh/baqtoc.html
Other Sources for Safety and Health Information

The Globally Harmonized System of Classification and Labelling of Chemicals
http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html

HMIS® - Hazardous Materials Identification System
http://www.ilpi.com/msds/ref/hmis.html

The United States Occupational Health and Safety Administration (OSHA)
OSHA's mission is to assure the safety and health of America's workers by setting and enforcing standards; providing training, outreach, and education; establishing partnerships; and encouraging continual improvement in workplace safety and health.
http://www.osha.gov

The Environmental Protection Agency (EPA) : http://www.epa.gov/

EPA's IRIS (Integrated Risk Information System) : http://www.epa.gov/iris/intro.htm

Emergency Response Decision Logic Program via EPA - HASP PROGRAM
http://www.osha.gov/dep/etools/ehasp/index.html#haspuseman

The University System of Georgia, Board of Regents (Several Internet Links):
http://www.usg.edu/ehs/

The Canadian Center for Occupational Health and Safety
CCOHS promotes a safe and healthy working environment by providing information and advice about occupational health and safety.
http://www.ccohs.ca/