Handbooks, Databases, and Publications

For online technical information on pesticides, chemical toxicities, etc., go to the National Pesticide Telecommunications Network, http://nptn.orst.edu. This list contains selected handbooks, databases, and publications. It is not intended as a comprehensive listing.

Handbooks

Recognition and Management of Pesticide Poisonings
Routt Reigart and James Roberts
5th edition, March 1999
U.S. Environmental Protection Agency
703-305-7666
http://ace.orst.edu/info/nptn/rmpp.htm
http://www.epa.gov/pesticides/safety/healthcare/handbook/handbook.htm
EPA manual describes signs and symptoms of acute toxicity by class of pesticide, and provides treatment regimens.

AG-MED: The Rural Practitioner's Guide to Agromedicine
Stanley H. Schuman, M.D., and William M. Simpson, M.D.
Guide for the treatment of agriculture-related disease and injury.

Databases

Material Safety Data Sheets
The 250,000 MSDS files contained in this database are derived from the U.S. Government Department of Defense MSDS database, a mirror of data from siri.uvm.edu, and MSDS sheets maintained by Cornell University Environmental Health and Safety and other Cornell departments.
http://msds.pdc.cornell.edu/msdssrch.asp

MSDS OnLine
MSDS Online is a subscription service which supplies companies with software and services for managing Material Safety Data Sheets (MSDSs) in electronic format.
http://www.msdsonline.com/Home/

ChemFinder.Com
Environmental chemistry data in brief for chemicals, including pesticides. A good reference for finding alternate names of a product, since files can be searched using common, chemical, or trade names. Limited information is available free; additional information can be accessed with a fee for membership.
http://chemfinder.camsoft.com/

Lists of Inert Pesticide Ingredients
Classifies inert ingredients, from those considered generally safe to those no longer allowed for use in U.S. pesticide products. Limited usefulness, as the lists do not provide any actual data summaries about the inerts.
http://www.epa.gov/opprd001/inerts/

IRIS (Integrated Risk Information System)
EPA database of human health effects that may result from exposure to various substances, including many pesticides, found in the environment.
http://www.epa.gov/ngispgm3/iris/index.html

Hazardous Substances DataBank

Enables searches of hazardous substances database and provides summaries of populations at risk, probable routes of exposure, ADI (average daily intake), and human toxicology excerpts.

http://chem.sis.nlm.nih.gov/hsdb/

Chemical Carcinogenesis Research Information System

Carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition data provided by the National Cancer Institute (NCI).

http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CCRIS

GeneTox

Peer-reviewed mutagenicity test data from the U.S. Environmental Protection Agency.
http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?GENETOX

Minimal Risk Levels (MRL) for Hazardous Substances

ATSDR has developed MRLs for chemicals, including a few pesticides, most commonly found at facilities on the CERCLA National Priorities List. The MRL is an estimate of the daily human exposure to a hazardous substance that is likely to be without appreciable risk of adverse noncancer health effects over a specified duration of exposure.

http://www.atsdr.cdc.gov/mrls.html

EMIC (Environmental Mutagen Information Center)

Current and older literature on agents tested for genotoxic activity.
http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?EMIC

EXTONET - Pesticide Information Profiles (PIPS)

Clinical information on most pesticides currently registered in the U.S. Environmental chemistry and toxicologic profiles, including effects on humans and wildlife, for specific pesticides, as well as discussions of current toxicological topics of concern. Provides information on effects associated with chronic exposure as well as acute exposures. Developed and maintained as a collaborative effort between the University of California at Davis, Oregon State University, Michigan State University, Cornell University, and the University of Idaho.

http://ace.orst.edu/info/extoxnet

RT/ETIC (Developmental and Reproductive Toxicology and Environmental Teratology Information Center)

Current and older literature on developmental and reproductive toxicology.
http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?DARTETIC.htm

PubMed

National Library of Medicine's search service that provides access to over 10 million citations in MEDLINE, PreMEDLINE, and other related databases, with links to participating online journals.

http://www.ncbi.nlm.nih.gov/PubMed/

TOXLINE

Extensive array of references to literature on biochemical, pharmacological, physiological, and toxicological effects of drugs and other chemicals.

http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?TOXLINE

Publications

Blondell, J. "Epidemiology of pesticide poisonings in the U.S., with special reference to occupational cases." *Occupational Medicine: State of the Art Reviews,*Vol. 12.2. April- June, 1997.

ATSDR Fact Sheets

Summaries of toxicology/environmental chemistry data on hazardous substances. Answers are provided to the most frequently asked questions (FAQs) about exposure to hazardous substances found around hazardous waste sites and the effects of exposure on human health. Developed by the Agency for Toxic Substances and Diseases Registry (ATSDR) Division of Toxicology.

http://www.atsdr.cdc.gov/toxfaq.html

USDA Crop Profiles

Provides information about pesticides used on a particular crop in a specific state in the United States.

http://pestdata.ncsu.edu/CropProfiles/

USDA Forest Service Pesticide Fact Sheets

Environmental chemistry, toxicology data, and ecological effects for pesticides used by the U.S. Forest Service. (Many of these pesticides also have non-forestry uses, so the files may be helpful for other applications as well.)

http://infoventures.com/e-hlth/pestcide/pest-fac.html

Taking an Exposure History:

Case Studies in Environmental Medicine. No. 26

Produced by ATSDR. Provides examples of case histories and suggested patient dialogues. Includes an exposure history form. (All ATSDR Case Studies are currently undergoing revision. They will be made available on-line when revisions are completed.)

Drinking Water and Health Advisories

Provides health advisory levels for adults and children for chemicals found in drinking water.

http://www.epa.gov/waterscience/drinking/standards/

Developing a Pesticide Exposure History

Produced by the University of Maryland Pesticide Education and Assessment Program. Provides guidance on taking exposure histories for both occupational and incidental pesticide exposures. Pesticide Information Leaflet No. 25. Pesticide Education and Assessment Program, Univ. of Maryland. http://pest.umd.edu/spatc/Leaflets/LeafletList.html

Cholinesterase Monitoring -- A Guide for the Health Professional.

A. E. Brown, M. Miller, and M. Kiefer. Pesticide Information Leaflet No. 30. Pesticide Education and Assessment Program, Univ. of Maryland. H

http://pest.umd.edu/spatc/Leaflets/LeafletList.html