

Environmental Health and Toxicology Information Program

Resources for Industrial Hygiene Professionals

Environmental Health, Hazardous Chemicals, and Toxicology

TOXNET® Collection of databases covering toxicology, hazardous chemicals, environmental health, and related areas.

toxnet.nlm.nih.gov

Select TOXNET databases of interest to industrial hygienists:

ChemIDplus® Online dictionary of chemical substances cited in NLM databases and other Internet resources. Advanced version includes chemical structure, toxicity, and physical property searching.

Comparative Toxicogenomics Database (CTD)

Elucidates exposures and molecular mechanisms by which environmental chemicals affect human disease.

Haz-Map® An occupational health database designed for health and safety professionals and consumers seeking information about the health effects of exposure to chemical and biological agents at work and during hobbies.

Hazardous Substances Data Bank (HSDB®) Broad scope in human and animal toxicity, safety and handling, environmental fate, and more. A list of substances in HSDB can be found at sis.nlm.nih.gov/enviro/hsdbchemicalslist.html.

Household Products Database (HPD) Information on the health effects, handling, and disposal of chemicals found in common household products as reported in Material Safety Data Sheets (MSDS), product labels, and product manufacturers' Web sites.

Integrated Risk Information System (IRIS) Data from the U.S. Environmental Protection Agency (EPA) in support of human health risk assessment, focusing on hazard identification and dose-response assessment.

International Toxicity Estimates for Risk (ITER) Chemical risk information for chemicals from authoritative groups worldwide.

TOXLINE® References to literature on biochemical, pharmacological, physiological, and toxicological effects of drugs and other chemicals.

TOXMAP® Geographic representation of estimated U.S. releases of certain toxic chemicals reported annually to the EPA Toxic Release Inventory (TRI).

Toxics Release Inventory (TRI) Annual environmental releases of toxic chemicals by U.S. facilities.

The screenshot shows the TOXNET website interface. At the top, there's a navigation bar with 'U.S. National Library of Medicine' and 'TOXNET TOXICOLOGY DATA NETWORK'. Below that, a search bar contains the text 'e.g. benzene, endocrine disruptor'. A sidebar on the right highlights 'Environmental Health & Toxicology' resources. The main content area lists various TOXNET databases with brief descriptions.

Emergency/Incident Planning and Response

Chemical Hazards Emergency Medical Management (CHEMM)

Online resource enabling first responders and other health care providers and planners to plan for, respond to, recover from, and mitigate the effects of mass-casualty incidents involving accidental or terrorist chemical releases. chemm.nlm.nih.gov

Radiation Emergency Medical Management (REMM)

Guidance for health care providers, primarily physicians, about clinical diagnosis and treatment of radiation injuries during radiological and nuclear emergencies. remm.nlm.gov

Wireless Information System for Emergency Responders (WISER®)

System to assist first responders and first receivers in hazardous material incidents, including substance identification support. Information on chemical, biological, and radiological agents of concern for emergency responders, with a focus on hazardous materials and transportation incidents. wiser.nlm.nih.gov



Health Information and Biomedical Literature

MedlinePlus® Consumer health information about diseases, conditions, wellness, drugs, herbs, and supplements. Includes directories, medical encyclopedia, medical dictionary, and health check tools.

medlineplus.gov | medlineplus.gov/spanish

Occupational Health for Health Care Providers

nlm.nih.gov/medlineplus/occupationalhealthforhealthcareproviders.html

PubMed®|MEDLINE® References to biomedical journals, PubMed citations and abstracts include the fields of biomedicine and health, covering portions of the life sciences, behavioral sciences, chemical sciences, and bioengineering. pubmed.gov

Additional Resources

Enviro-Health Links Selected links to information on environmental health, toxicology, disasters, chemicals, drugs, and special populations.

sis.nlm.nih.gov/pathway.html

■ **Laboratory Safety** sis.nlm.nih.gov/enviro/labsafety.html

■ **Nanotechnology and Human Health**
sis.nlm.nih.gov/enviro/nanotechnology.html

Discovering TOXNET

This online, self-paced class is an introduction to TOXNET and other NLM environmental health databases through videos, guided tutorials, and discovery exercises.

nmlm.gov/classes/discovering-toxnet

TOXNET and Beyond:

Using the National Library of Medicine Environmental Health and Toxicology Workbook

This workbook provides information and practice exercises in using the TOXNET databases and related resources.

sis.nlm.nih.gov/enviro/manuals.html

ToxTutor

Self-paced tutorial covering key principles of toxicology for users of NLM databases.

toxtutor.nlm.nih.gov

Mobile Tools and Services

nlm.nih.gov/mobile

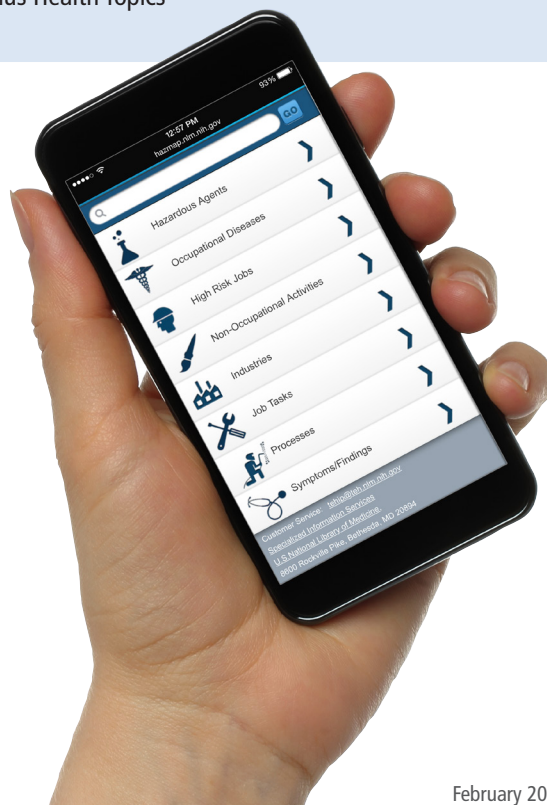
NLM Resources with Apps and Mobile Sites:

- AIDSinfo®
- AIDSinfo Drug AP
- CHEMM
- DailyMed®
- Drug Information Portal
- Haz-Map
- Health Hotlines
- LactMed®
- MedlinePlus
- MedlinePlus en español
- PubMed
- PubMed for Handhelds
- REMM
- TOXNET
- WISER

nlm.nih.gov/api

NLM Resources with Application Programming Interfaces (APIs):

- AIDSinfo
- ChemSpell
- ClinicalTrials.gov
- Computational Photography Project for Pill Identification (C3PI)
- DailyMed
- MedlinePlus Connect
- MedlinePlus Health Topics
- National Drug File (NDF)
- Pillbox
- PubChem®
- RxMix
- RxNorm
- Rx/Terms
- TOXNET



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Stay Connected

NLM Division of Specialized Information Services has a variety of ways to keep up with what is new on the Web site.
Twitter: twitter.com/NLM_SIS | E-mail updates: public.govdelivery.com/accounts/USNLMTEH/subscriber/new?topic_id=USNLMTEH_4

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