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.

Emergency/Incident Planning and Response

Chemical Hazards Emergency Medical Management (CHEMMP)
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.
nnlm.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
- Clinical Trials.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

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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