

Our Environment

The Situation

Many substances are potentially harmful to humans, animals, and the environment. They are in the air we breathe, in the food we eat, and on our skin. Chemicals in the workplace, home, and outdoors may pose a threat to our health.

The Solution: TOXNET

The National Library of Medicine (NLM) offers an array of free Web-based tools, including the TOXNET® system of databases, which provides information on toxicology, hazardous chemicals, and environmental health. NLM provides data that can help assess the nature and severity of toxic hazards.

With 24/7 free access, TOXNET offers a variety of high-quality databases in an easy-to-use interface, and includes links to additional sources of data on toxicology and environmental health. Information is compiled from federal agencies and peer-reviewed scientific sources.

Retrieve information on chemicals



Inform emergency responders



Using TOXNET

TOXNET databases can be used to:

- Retrieve information on chemicals that can cause cancer, reproductive effects, genetic mutations or other health effects.
- Provide environmental health professionals, toxicologists, emergency responders, community groups, and the general public with information about exposure to hazardous and toxic substances that may affect human health and the environment.
- Help locate specific industries that pollute the environment and determine what chemicals are being released by them and in what quantities.

Assist community groups



TOXNET

TOXNET can help you find information about:

- **Arsenic in Drinking Water**
What are the signs of short- and long-term arsenic exposure? Is there a treatment for arsenic poisoning?
→ Search the **Hazardous Substances Data Bank**
- **Mutagenicity of Acetone**
Does the record for acetone contain any positive mutagenicity studies?
→ Search the **Chemical Carcinogenesis Research Information System**
- **Effects of Atrazine on Amphibians or Frogs**
What articles review the effects of atrazine on developing amphibians or frogs?
→ Search **TOXLINE**
- **Ammonia Releases**
How many pounds of ammonia were released in the area near your town in 2008?
→ Search the release in **TOXMAP**
- **Antidepressants in Breast Milk**
Will a breastfeeding mother's use of an antidepressant cause any ill effects in her nursing infant?
→ Search **LactMed**
- **The Gasoline Additive MTBE**
What is the full chemical name and what is the molecular structure of the gasoline additive MTBE? What other resources have information on this chemical's environmental health impact?
→ Search **ChemIDplus**
- **Disaster Response for a Nuclear Reactor Accident**
Where can health care providers and emergency responders find patient management algorithms and triage information for a radiological/nuclear accident?
→ Search **Radiation Emergency Medical Management**

TOXNET

toxnet.nlm.nih.gov

Databases on toxicology, hazardous chemicals, environmental health, and toxic releases

Chemical Carcinogenesis Research Information System (CCRIS)—Scientifically evaluated database of chemicals with carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results

ChemIDplus®—Online dictionary of chemical substances cited in the NLM databases and other Internet resources

Haz-Map®—Occupational health database linking jobs and hazardous tasks with occupational diseases and their symptoms

Hazardous Substances Data Bank (HSDB)®—Comprehensive, peer-reviewed toxicological data for chemicals

Household Products Database—Potential health effects of chemicals in common household products

Integrated Risk Information System (IRIS)—Hazard identification and dose-response assessments for chemicals

International Toxicity Estimates for Risk (ITER)—Risk information for chemicals from authoritative groups worldwide

LactMed (Drugs and Lactation Database)—Database of medications to which breast-feeding mothers may be exposed and their effects on nursing infants and on lactation

TOXLINE® (**Toxicology Literature Online**)—Bibliographic database of toxicological references

TOXMAP®—Interactive environmental health maps showing locations of toxic chemical releases and hazardous waste sites

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

Locate industries that pollute



Additional Resources from NLM

Dietary Supplements Labels Database

dietarysupplements.nlm.nih.gov
Information about ingredients in brands of dietary supplements

Drug Information Portal

druginfo.nlm.nih.gov
Quick access to quality drug information

Enviro-Health Links

sis.nlm.nih.gov/enviro/envirohealthlinks.html
Links to Internet resources on selected toxicology and environmental health issues

MEDLINE®/PubMed®

pubmed.gov
References to biomedical journals, including a toxicology subset

MedlinePlus®

medlineplus.gov
Consumer environmental health information

Radiation Emergency Medical Management (REMM)

remm.nlm.nih.gov
Diagnostic and treatment tool kit designed for health care providers about clinical diagnosis and treatment during a radiological or nuclear emergency

Tox Town®

toxtown.nlm.nih.gov
Interactive guide to toxic substances and environmental health issues in everyday places

ToxLearn

toxlearn.nlm.nih.gov
Multi-module online learning tool that provides users with a working knowledge of basic toxicology principles and concepts

ToxMystery®

toxmystery.nlm.nih.gov
Interactive site for children 7–10 years old on potential environmental health hazards found in homes

ToxSeek®

toxseek.nlm.nih.gov
Metasearch and clustering engine for simultaneous searching of selected Web resources and databases

Wireless Information System for Emergency Responders (WISER®)

wiser.nlm.nih.gov
System designed to assist first responders during hazardous materials incidents



National Institutes of Health
Department of Health and Human Services
1-888-FINDNLM
www.nlm.nih.gov



Is The
Environment
Hazardous
To Our
Health?

For Answers
and Information
Rely on

Environmental Health and
Toxicology Information Resources

from the National Library of Medicine

tox.nlm.nih.gov

