

Choosing a Database

This chart identifies the specific focus of each database to help you select the appropriate database for your research.

Database Name	Topics Covered
ChemIDplus	Chemical names, formulas, structures
Health Risk	
CCRIS	Carcinogenicity, mutagenicity
CPDB	Cancer testing
CTD	Genetic information
GENE-TOX	Mutagenicity test data
IRIS	Risk information
ITER	Risk information
Literature	
TOXLINE	Toxicology journal literature
DART	Reproductive toxicology journal literature
Health and Environmental Health	
Haz-Map	Occupational health
Household Products	Products used in and around the home
HSDB	Health effects, toxicity, regulations
LactMed	Drugs and breastfeeding
TRI	Environmental releases of chemicals
TOXMAP	U.S. maps showing chemical releases

For a full list of environmental health and toxicology database descriptions, visit:
http://sis.nlm.nih.gov/enviro/database_descriptions.html

Specialty Databases

<http://sis.nlm.nih.gov/enviro.html>

Discover environmental health and toxicology databases including:

- Dietary Supplements Labels Database: Ingredients in supplements sold in the United States
- Drug Information Portal: Gateway to current and accurate drug information
- Pillbox: Rapid pill identification

Training and Help

TOXNET FAQs:

http://sis.nlm.nih.gov/toxnet_faq.html

TOXNET and Beyond Training Class Schedule and Workbook

<http://sis.nlm.nih.gov/enviro/manuals.html>

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Developed and updated by NLM staff. This brochure may be freely reproduced. It is on the internet at
<http://sis.nlm.nih.gov/pdf/toxnetbrochure.pdf>
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TOXNET Toxicology Data Network

<http://toxnet.nlm.nih.gov/>

The National Library of Medicine (NLM) TOXNET portal provides reliable information on toxicology, hazardous chemicals, environmental health, and toxic releases. Explore:

Chemical nomenclature – ChemIDplus

Toxicology Data

- Chemical Carcinogenesis Research Information System (CCRIS)
- Carcinogenic Potency Database (CPDB)
- Comparative Toxicogenomics Database (CTD)
- Genetic Toxicology Data Bank (GENETOX)
- Hazardous Substances Data Bank (HSDB)
- Integrated Risk Information System (IRIS)
- International Toxicity Estimates for Risk (ITER)
- LactMed (Drugs and Lactation Database)

Literature

- Developmental and Reproductive Toxicology Database (DART)
- TOXLINE (Toxic Literature Online)

Toxic Releases

- TOXMAP (Environmental Health e-Maps)
- Toxics Release Inventory (TRI)

Specialty databases: Health and safety information for the workplace, Haz-Map®, and the home, Household Products Database.

What is TOXNET?

TOXNET (Toxicology Data Network) is a free database system with information on toxicology, environmental health, hazardous chemicals, toxic releases, chemical nomenclature, poisoning, risk assessment and regulations, and occupational safety and health. It is produced by the Specialized Information Services Division of the National Library of Medicine.

Searching TOXNET

Enter any combination of words, chemical names, and numbers, including CAS registry numbers. By default the system searches for the exact name, synonyms, and CAS registry number.

Combine search terms with these connector words: **AND**, **OR**, or **NOT**, using upper case letters.

Search databases individually by clicking on the database name or search all databases at one time by using the search box on the homepage.

Results

Results are listed by relevancy ranking. This ranking is based on the number of individual search terms in a document, the number of times each search term occurs in a document, the rarity of the search terms within the database, and the nearness of search terms to each other.

The screenshot shows the TOXNET homepage with several key features highlighted by arrows and labels:

- Search all Databases:** Points to the "Search All Databases" section, which includes a search box and "Search", "Clear", and "Help" buttons.
- Select a TOXNET Database to Search:** Points to the "Select Database" list on the left, which includes ChemIDplus, HSDB, TOXLINE, CCRIS, DART, GENETOX, IRIS, ITER, LactMed, Multi-Database, TRI, Haz-Map, Household Products, and TOXMAP.
- Link to EH/Tox Portal:** Points to the "Env. Health & Toxicology" section, which features a "Portal to environmental health and toxicology resources" and a "VISIT SITE" button.
- Support Pages:** Points to the "Support Pages" section, which includes links for Help, TOXNET FAQ, TOXNET Update Status, Fact Sheet, Database Description, Training Manual & Schedule, and News.
- Additional Resources:** Points to the "Additional Resources" section at the bottom, which includes CPDB and CTD.

When searching for a chemical, the first matching chemical record (the "primary record") may be followed by other chemical records that have the chemical name or search term you entered.

Downloading Data

Use the "Download" feature to save the search results as a plain text file.

Citations from TOXLINE and DART can be imported into reference management programs (EndNote, Reference Manager) by using the TOXLINE import filter.

However, downloads from the other TOXNET resources are in formats that cannot be imported into reference management programs.

Accessing Materials

There are no links to full text articles in TOXNET because of the structure of the databases. The information is drawn from a variety of information sources which makes linking to full text difficult.

Suggestions for finding the full text of a citation can be found at

http://sis.nlm.nih.gov/toxnet_faqs.html#fulltext

Full text access may be available for citations in TOXLINE which come from PubMed.

Use the link to [PubMed Citation](#) within the TOXLINE citation.