

## Choosing a Database

Select the best database for your research.

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

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

## Specialty Databases

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

Discover environmental health and toxicology databases including:

- Dietary Supplement Label 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://toxnet.nlm.nih.gov/newtoxnet/faq.html>

TOXNET and Beyond Training Class Schedule and Workbook

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

TOXNET Help:

E-mail: [tehip@tehl.nlm.nih.gov](mailto:tehip@tehl.nlm.nih.gov)

Phone: 301.496.1131



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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.

**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)
- Haz-Map
- Household Products Database
- Integrated Risk Information System (IRIS)
- International Toxicity Estimates for Risk (ITER)
- LactMed (Drugs and Lactation Database)

**Literature**

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

**Toxic Releases**

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

## 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 the following elements:

- Header:** NIH U.S. National Library of Medicine TOXNET TOXICOLOGY DATA NETWORK. Navigation links: Mobile, Help, FAQs, TOXNET Fact Sheet, Training Manual & Schedule.
- Search Bar:** "SEARCH TOXNET Search all or select specific databases". Includes "BROWSE" and "ADVANCED SEARCH" tabs. A search box contains "e.g. benzene, endocrine disruptor" and a dropdown menu for "ALL DATABASES". A "Search" button is present.
- TOXNET Databases Section:** "MOST VISITED BY TOXNET USERS" lists:
  - HSDB:** Hazardous Substances Data Bank. Peer-reviewed toxicology data for over 5,000 hazardous chemicals.
  - TOXLINE:** 4 million references to literature on biochemical, pharmacological, physiological, and toxicological effects of drugs and other chemicals.
  - ChemiDplus:** Dictionary of over 400,000 chemicals (names, synonyms, and structures).
- Environmental Health & Toxicology:** Resources on environmental health and toxicology. "Visit Site" button.
- Did you know:** "There is a guide to choosing a database. Which Resource Should I Use can help you pick the right resource for your search. More FAQs."

Search all databases at once

Select a database to search

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.

## Accessing Materials

Information in TOXNET comes from a variety of sources which prevents linking to full text.

Suggestions for finding the full text of a citation can be found at [http://sis.nlm.nih.gov/toxnet\\_faq.html#fulltext](http://sis.nlm.nih.gov/toxnet_faq.html#fulltext)

Full text access may be available for TOXLINE citations coming from PubMed. Use the link to PubMed within the TOXLINE citation.



## Permalink

Use the Permalink option to create a permanent URL for a record, to share or to use in a document.

