



U.S. EPA : Mid-Continent Ecology Division ECOTOX Databases

ECOTOX

ECOTOX was developed at the U.S. EPA, MED-Duluth and is a comprehensive computer-based system that provides chemical-specific toxicity values for aquatic life, terrestrial plants, and terrestrial wildlife. ECOTOX, in addition to serving as a vital knowledge-base for environmental research programs, is used for the evaluation of industrial chemicals, pesticides, and metals and the evaluation of impact assessments associated with effluent, leachate, and environmental monitoring data. This database is useful in developing consistent ecosystem management decisions within EPA and other Federal, state, local, tribal and international governmental agencies. ECOTOX provides the means to cost-effectively collect standardized and critically needed effects data for a wide variety of ecological risk assessments. The ECOTOX system represents an integration of AQUIRE, PHYTOTOX, and TERRETOX, which are three existing EPA databases that contain ecotoxicity information for aquatic life, terrestrial plants, and wildlife, respectively. Published papers on toxicology are reviewed, and data are abstracted and reported in the appropriate database. View recent update information for a summary of the data presented in ECOTOX.

The ECOTOX database has minimum data requirements and browser requirements. Users should become familiar with these limitations prior to using the database.

ECOTOX is a Unix-based system located at the U.S. EPA National Computer Center. The database can be accessed using your web browser software at the: **ECOTOX Search Homepage**

The web-version of ECOTOX is open to the public without restriction.

For more information on the ECOTOX database, contact ECOTOX Support at:
T: (218) 529-5225 or E-mail: ecotox.support@epa.gov.

AQUIRE

The AQUIRE (AQUatic toxicity Information RETrieval) database was established in 1981 by the United States Environmental Protection Agency (US EPA), Mid-Continent Ecology Division, Duluth, MN (MED-Duluth). Scientific papers published both nationally and internationally on the toxic effects of chemicals to aquatic organisms and plants are collected and reviewed for AQUIRE. Independently compiled laboratory data files that include AQUIRE parameters and meet the quality assurance criteria are also included. Aquatic literature has been reviewed and entered into the system, the majority of which encompasses test results reported from 1970 to the present. Toxicity test results and related testing information for any individual chemical from laboratory and field aquatic toxicity tests are extracted and added to AQUIRE. Lethal, sublethal and bioconcentration effects are recorded for freshwater and marine organisms. All AQUIRE data entries have been subjected to established quality assurance procedures. View recent update information for a summary of the data presented in ECOTOX.

AQUIRE is available through the: **ECOTOX Search Homepage**.

AQUIRE access is open to the public without restriction. Aquatic outputs can be retrieved as either browser viewable reports or an ASCII delimited file.

For more information on the AQUIRE database, contact ECOTOX Support at:
T: (218) 529-5225 or E-mail: ecotox.support@epa.gov.

PHYTOTOX

The PHYTOTOX database is a computerized information resource that permits the rapid retrieval and comparison of data pertaining to lethal and sublethal responses of terrestrial plants to the application of chemicals. Both natural and synthetic organic compounds administered to native, crop, or weed species have been considered. View recent update information for a summary of the data presented in ECOTOX. Independently compiled laboratory data files that include PHYTOTOX parameters and meet the quality assurance criteria are also included.

The PHYTOTOX database was developed as a PC-based program through a joint effort by the University of Oklahoma and the U.S. EPA, Western Ecology Division (formerly Environmental Research Laboratory-Corvallis). PHYTOTOX is currently maintained at MED-Duluth and is available through the: **ECOTOX Search Homepage**.

Terrestrial reports can be retrieved as a browser viewable report or as an ASCII delimited file.

For more information on the PHYTOTOX database, contact ECOTOX Support at: T: (218) 529-5225 or E-mail: ecotox.support@epa.gov

TERRETOX

TERRETOX is a terrestrial wildlife toxicity database established to provide data linking quantified chemical exposures with observed toxic effects. TERRETOX includes results for lethal, sublethal and bioaccumulation effects. TERRETOX identifies sources of alternative data (domestic or laboratory animal toxicity and bioaccumulation information) when there is a paucity of information on wildlife species. Animals associated with the aquatic environment that do not breathe using gills (e.g., ducks, whales) are included in the TERRETOX database. Results from exposures of terrestrial life stages of amphibians are included in the TERRETOX database. Exposures to the aquatic life stages of amphibians are included in the AQUIRE database component of ECOTOX. View recent update information for a summary of the data presented in ECOTOX. Independently compiled laboratory data files that include TERRETOX parameters and meet the quality assurance criteria are also included.

The TERRETOX database was developed as a PC-based system by the U.S. EPA, Western Ecology Division and is currently maintained by MED-Duluth. TERRETOX is a component of the ECOTOX database system and is available through the: **ECOTOX Search Homepage**.

Terrestrial reports can be retrieved as a browser viewable report or as an ASCII delimited file.

For more information on the TERRETOX database, contact ECOTOX Support at:
T: (218) 529-5225 or E-mail: ecotox.support@epa.gov.