



ChemTunes Environmental Database

Assessment of Impact of
Chemicals on the Environment

The **ChemTunes Environmental Database** is implemented to address persistence, bioaccumulation, and toxicity (PBT) assessments for the impact of chemicals on the environment. The **ChemTunes Environmental Database** consists of data from ECOTOX (US EPA) and EU REACH environmental studies and utilizes the same easy-to-use user interface known from **ChemTunes-ToxGPS®** with chemistry, regulatory, and toxicity searches to retrieve relevant information for environmental risk assessments.



Data Sources

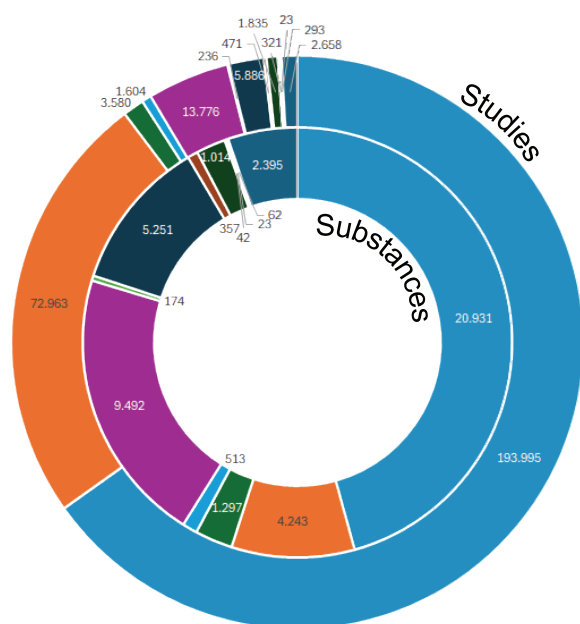
- EU IUCLID-6 REACH
- US EPA ECOTOX

Database Statistics

Key Facts

- Approximately 26,000 chemical compounds
- Over 377,000 toxicity studies
- Over 16 environmental toxicity endpoints
- Data on bioaccumulation, biodegradation, stability, and ecotoxicity in aquatic, sediment, and terrestrial/soil media and compartments
- Species include algae, birds, crustaceans, fish, mollusks, fungi, insects/spiders, invertebrates, mammals, plants (flowers, trees, shrubs, ferns), reptiles, and worms

Study Category	Media	Compounds	Studies
Bioaccumulation	Aquatic, sediment, terrestrial	1,043	2,472
Biodegradation	Aquatic, sediment, terrestrial	10,430	20,369
Stability		2,395	2,658
Ecotoxicity	Aquatic, sediment, terrestrial/soil	14,993	53,740
	Aquatic, sediment, terrestrial/soil	18,078	298,258



- Ecotoxicity aquatic
- Ecotoxicity terrestrial
- Ecotoxicity terrestrial/soil
- Ecotoxicity sediment
- Biodegradation aquatic
- Biodegradation aquatic/sediment
- Biodegradation general
- Biodegradation terrestrial/soil
- Bioaccumulation aquatic
- Bioaccumulation aquatic/sediment
- Bioaccumulation sediment
- Bioaccumulation terrestrial
- Stability