

DEThERM

The numerical database DETHERM provides thermophysical property data, which are indispensable for construction and design of chemical apparatus, plants and processes.

The Content

The DETHERM database provides thermophysical property data for about **104,000 pure compounds** and **211,500 mixtures**. DETHERM contains Literature values, together with bibliographical information, descriptors and abstracts. At the time **13.3 million data sets** are stored. The database is updated yearly and [grows continually](#) with around 5.7 % per anno. Convince yourself from the [coverage and content of our database](#) using the [Online System](#). The following properties are stored:

- phase equilibrium data
- transport properties
- vapor pressures, critical data
- surface tensions
- thermodynamic properties
- electrolyte data

Producers

The DETHERM database is produced from the DECHEMA e.V. in cooperation with the DDBST GmbH, Oldenburg. The complete database consists of sets of property orientated packages, which are maintained and produced by external experts. This guarantees high quality and checked data. Examples for such packages are the Dortmund Datenbank [DDB](#) from the DDBST GmbH, the Wiley/VCH database [INFOThERM](#) (former FIZ-Chemie Berlin) or the electrolyte database [ELDAR](#) from the University of Regensburg.

Inhouse System

A DETHERM Inhouse Installation consists of SQL database server in combination with the retrieval package DETHERM-ORS. The user friendly interface enables even unskilled users a rapid and easy access of desired data. The graphical display of data gives an overview on the distribution of the different data sets. For further processing the data can be exported in various formats (XML, JSON, CSV, [IK-CAPE PPDx](#)). Users of MS/Excel can cut & paste the data also directly. Seamless interfaces are existing to a variety of process simulation and [data regression](#) packages.

The user's own data can be readily handled with the data maintenance module .

Running in Client-Server-Mode assures that all users of the system use identical data sets. Multiple data sets and the use of differing values from user to user can thus be avoided.

A first insight in the look and feel of the inhouse system you find [here](#).

Internet Access

Using **DEThERM ... on the WEB** you can access the complete DETHERM database using your web browser. Use the free of charge service to check if DETHERM contains the data for your problem. **DEThERM ... on the WEB** has got a multitude of additional features - particularly the automatic export of data to utilize them in a process simulation package (e.g. ASPEN PLUS, AVEVA Process Simulation).

To access the data itself, a registered account is necessary.

[More information](#)

[Access database](#)

[Prices](#)

[How to register](#)

Additional Information

[DEThERM Demo](#)

[Price list Inhouse](#)

[Academic Usage](#)

Information Systems & Databases

- Dr.-Ing. U. Westhaus -

Telefon: ++49 69 75 64-229

Telefax: ++49 69 75 64-418

Contact per [E-Mail](#)
