

## Detherm Content

The following databases are part of DETHERM:

### Dortmunder Datenbank **DDB**

(Prof. Gmehling, [DDBST GmbH](#), Oldenburg)

#### Phase Equilibrium data

- Vapour-Liquid-Equilibria
- Liquid-Liquid-Equilibria
- Vapour-Liquid-Equilibria of low boiling substances
- Activity coefficients at infinite dilution
- Gas solubilities
- Critical data of mixtures
- Solid-Liquid-Equilibria
- Azeotropic data
- Salt solubilities (mainly in water)
- Partition coefficients (octanol-water)
- Polymer mixtures

#### Mixture & Excess Properties

- Excess Enthalpies
- Excess Heat Capacities
- Excess Volumina
- Viscosities
- Thermal conductivities
- Surface tensions
- Speed of sound
- Dielectric constants
- Gas Hydrates

#### Pure Component Properties

- Transport Properties
- Vapour Pressures
- Critical Data
- Melting Points
- Densities
- Caloric Properties
- Others

### Electrolyte data collection **ELDAR**

(University of Regensburg, LS Chemie IV)

- Caloric Data
- Electrochemical Properties
- Phase Equilibrium Data
- PVT Properties
- Transport Properties

### Thermophysical database **INFOTHERM**

(Wiley/VCH - formerly FIZ Chemie, Berlin)

- PVT-Daten
- Transport Properties
- Surface Properties
- Caloric Properties
- Phase Equilibrium Data
- Vapour-Liquid-Equilibria
- Gas-Liquid-Equilibria
- Liquid-Liquid-Equilibria
- Solid-Liquid-Equilibria
- Pure Component Basic
- **COMDOR**

*(former Leuna GmbH in Cooperation with former FIZ Chemie, Berlin)*

- Phase Equilibria
- Excess Enthalpies
- Transport and Surface Properties
- Caloric and Acoustic Data

- **C-DATA**

*(Institut for Chemical Technic, Prag)*

20 physico-chemical Properties for 593 pure components

- Basic Database Böhlen **BDBB**

*(former Sächsische Olefinwerke AG Böhlen, now DOW Chemical)*

Pure Component Database of the "Sächsische Olefinwerke" with chemical and physical basic data for 1126 pure substances (mainly for the fields of petroleum and coal chemistry)

### Solubility Database **CAPEC-SDB**

*(Prof. J. Abildskov, CAPEC, Technical University of Denmark)*

Solubilities and related properties of large, complex chemicals (mainly specialty chemicals, pharmaceuticals and biochemicals with 4 to 40 carbon atoms)

### **Additional**

*(DECHEMA e.V.)*

- Vapour Pressures
- Transport Properties
- Thermal Conductivities
- Viscosities
- Caloric Properties
- PVT-Data
- Critical Data
- Eutectical Data
- Solubilities
- Diffusion Coefficients