

7. Dynamic table

Select the range of data for further investigation using the sliders provided in a dynamic table.

Enthalpy of Mixing of the Mixture Benzene-Water

Filter data by:

Temperature [K]: 444.15 — 560

Pressure [kPa]: 5731.3 — 16400

Composition [mol/mol]: 0.000284 — 1.00028

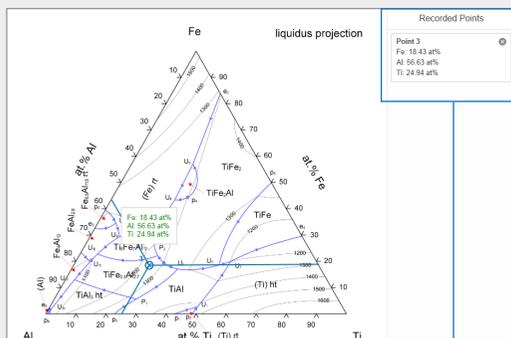
Hide Filter Tools

Temperature T [K]	Pressure p [kPa]	Composition x [mol/mol]	Excess Enthalpy H^E [J/mol]	Miscibility Gap	DDBST ID	Reference
503.00	16400	0.02800	395.000	Yes	12396	3. Wormald (1996)
503.00	16400	0.06200	692.000	Yes	12396	3. Wormald (1996)
503.00	16400	0.10700	1020.000	Yes	12396	3. Wormald (1996)

Sliders

8. Interactive phase diagram

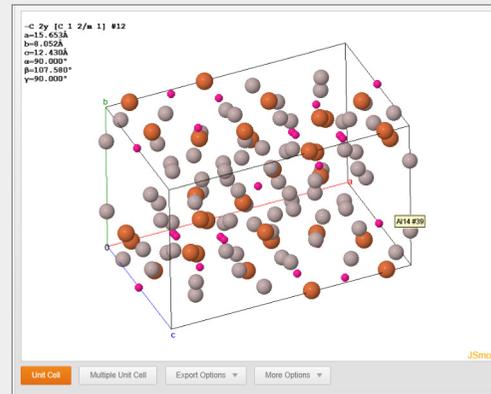
Mouse over to any position within the phase diagram and the percentage composition of the elements is revealed accordingly.



Click at the position of interest and the data are saved under Recorded Points.

9. 3D structure

Crystallographic data from the Inorganic Solid Phases data source are displayed visually by JSmol under 3D Interactive structure of the datasheet.



10. Send us a message

Send us your question, feedback, comment and suggestion by first clicking  at the bottom right corner of every page.

Send us a message ✕

Can you provide a quick-n-easy demo?

Include a screenshot of this page

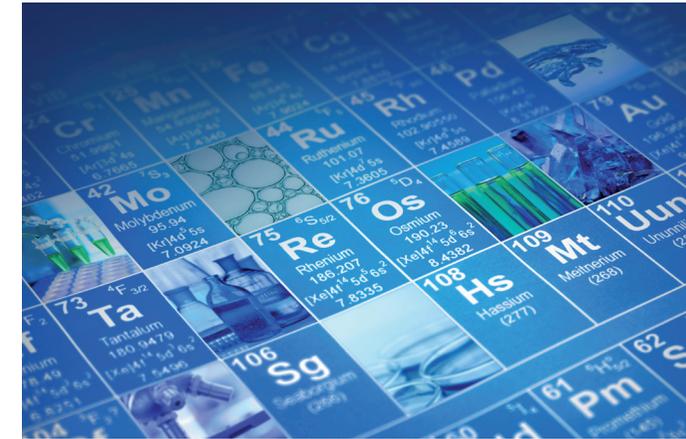
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1. Homepage

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Search by Elements

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Periodic table search

Structure search

Quick search

2. Quick search

Type keywords in the search box ► Click

Note: You may add or adjust keywords at anytime during the search journey.

Springer Materials

gallium arsenide

3. Structure search

Draw a chemical compound using the integrated drawing tool ► Click "Search".

Search by Structure

Start by drawing a structure

Reset

Search

100 Result(s)

(1-Propylbutyl)Benzene

Molecular Formula: C₁₄H₂₀ InChI: INChI=1S/C14H20/1-3-12/4-2(1)-10-6-5
Molecular Mass: 204.310657181291348.991012913
CAS No.: 2123-86-7 InChI Key: KOTWVQKQJGQJHFFFAFYYSAN

View substance profile Search for this substance

Bottom lists the chemical compounds with various degrees of similarity in percentage. Click View substance profile or Search for this substance on the panel of compound of interest.

4. Semantic substance profile

A typical substance profile provides general information about the chemical compound, its 3D structure by JSmol, links to properties with the number of relevant documents shown, and a summary of properties and syntheses that can be found in SPRESI.

Substance Profile

(1-Propylbutyl)Benzene

General information

Molecular Formula: C₁₄H₂₀
Element System: C-H
CAS No.: 2123-86-7
InChI: INChI=1S/C14H20/1-3-12/4-2(1)-10-6-5-7-10-12(1,3,4,5,9,12)-1,2(1)

3D Interactive Structure

Information on Springer Materials

Properties frequently appearing with (1-propylbutyl)benzene

- Expansion Coefficient (1)
- Viscosity Coefficient (1)
- Heat Capacity (1)
- Bulky Point (1)
- Sublimation Point (1)
- Density (1)
- Surface Tension (1)
- Vapor Pressure (1)

Chemical Properties + Synthesis

Molecular Weight: 204.310657181291301
Calculated Log P: 6.073
Rotatable Bonds: 7
H Acceptors: 0
H Donors: 0
Reactions having this substance as a reactant: 6
Reactions having this substance as a product: 6

Journal articles containing this substance: 1
Patents containing this substance: 1
Other publications containing this substance: 1
Suppliers: 1

Data from SPRESIweb

5. Periodic table search

Choose elements from the periodic table to compose an element system. For example, Al-Fe-Mg-O.

Search by Elements

Search for information by element system

Your Selection Al-Fe-Mg-O

482 Matching element systems

- Al-Fe-Mg-O (108)
- Al-B-Fe-Mg-O (9)
- Al-B-Fe-Mg-O (2)
- Al-Ca-Fe-Mg-O (3)
- Al-Cr-Fe-Mg-O (18)
- Al-Fe-H-Mg-O (1)
- Al-Fe-H-Mg-O (2)
- Al-Fe-Mg-Mn-O (1)
- Al-Fe-Mg-Ni-O (1)
- Al-Fe-Mg-O-P (1)
- Al-Fe-Mg-O-Si (24)
- Al-Fe-Mg-O-Ti (2)

Reset

Right column lists Al-Fe-Mg-O and also element systems with higher complexity. The number beside each system indicates the number of relevant documents available in the database. Click on any system to initiate search.

6. Refine by filtering options

Instead of adding keywords at the quick search box, one may also use the facet columns on the left hand side of the search results and drill down to the facet of interest. For example, electrical conductivity under Properties.

Properties

- Elastic Neutron Scattering 2
- Electrical Conductivity 25
- Electrical Resistivity 6
- Electromechanical Coupling Factor 1
- Electron Concentration 1
- Electron Paramagnetic Resonance 19
- Electron Spin Resonance 2
- Energy Content 1
- Energy Type 1

The number beside each facet indicates the number of relevant documents available in the database.