

MSI Eureka is the world's leading interactive database for high-quality, evaluated phase diagrams and related constitutional data, crystallography, thermodynamics, etc.

Relevant for:

- ▶ Chemistry
- ▶ Physics
- ▶ Engineering
- ▶ Materials Science
- ▶ Crystallography
- ▶ Thermodynamics
- ▶ Crystal growth
- ▶ Materials design
- ▶ Alloy development
- ▶ Industrial engineering across multiple industries
- ▶ others

For alloys

(steels, bronzes, magnets, implants, electronic materials,...)

For non-metals

(ceramics, sensors, semiconductors,...)

For composites

(cermets, ...)

Expertise: MSIT[®], Materials Science International Team

Since 26 years the MSIT, a global network of 250 materials scientists from different laboratories, compiles and evaluates data, generates missing data, creates phase diagrams.

- monitor all relevant publications
- evaluate data on binary & ternary materials systems
- execute joint research in Europe and outside

Content

MSI Eureka monitors ongoing the world's publications on inorganic materials and has identified literature for unary, binary, ternary, and more component systems, their phase diagrams and related properties, back to 1894 (!).

MSI Eureka includes

Compilations:

- Links to Literature
 - bibliographic data base with 255 544 entries
 - on all inorganic materials ever published, 47 815 systems
- Research Results
 - 4288 extended extracts from the literature
- Reference Phase Diagrams
 - 1800 phase diagrams for 1530 binary and ternary systems

Evaluations - critically evaluated materials systems:

- Ternary System Reports ~4000 evaluated ternary systems
- Binary System Reports 155 evaluated binary systems
- p-T-x System Reports 188 evaluated pressure / temperature data

Benefits

MSI Eureka keeps you up-to-date with all inorganic materials by

- analyzing the world literature for you
- compiling and evaluating data

Find the relevant information on specific materials fast and comprehensive!

You can sort & access the world's collective knowledge with a few mouse clicks.

- from 1894 - present
- by categories of added value

MSI Eureka information platform can be licensed on the basis of subscriptions.



Materials Science International

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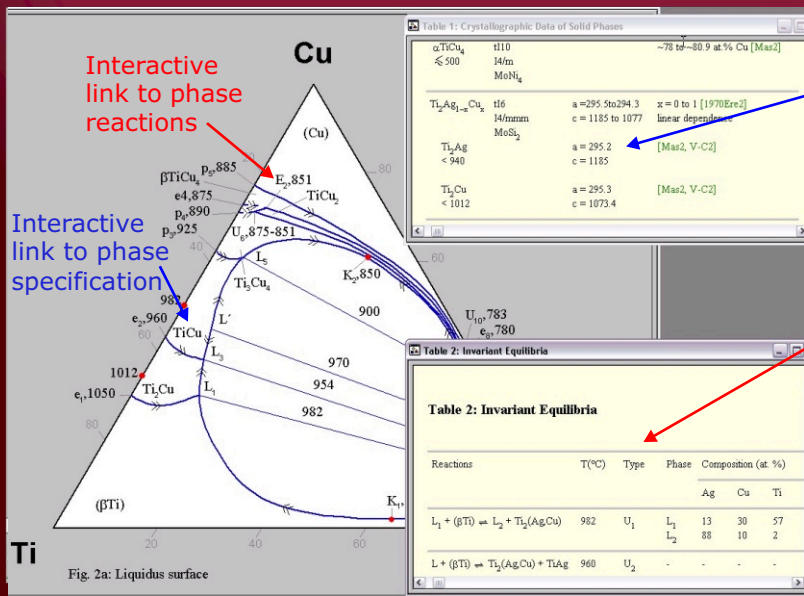
www.msiport.com

Features

- The only source offering information for ALL inorganic material systems ever studied, 47 815 element combinations
- The largest bibliographic data base on materials constitution, over 255.544 entries
- The only scientific program that evaluates entire material systems - contrary to collections of uncorrelated phase diagrams
- The largest phase diagram program ever, ongoing since 25 years
- Largest number of evaluated materials systems, 4000 systems
- Monitors unary, binary, ternary and ...multi-component materials systems
- Constantly updated contents, automatic alert system
- Interactive phase diagrams, intuitive and user friendly, English language interface

MSI Eureka is unique by:

- **Coverage**
inorganic materials all ever published > 47 815 material systems
- **Unbalanced high quality**
evaluation of entire material systems
evaluation of their phase diagrams
- **Quality**
high-quality evaluated phase diagrams
and related constitutional data
- **Affordability**
flexible license scheme, good prices
- **Made by Scientists for Scientists**
ongoing, since more than 25 years !



Selected functionalities of MSI Eureka
Link from diagrams to tabulated data

Related tables describe the type of phase structure, lattice parameters, stability range,....

Related tables describe which phases take part in the reaction, form or disappear with changing temperature. When and how they do this, and what is the element concentration in each phase.



Contact Materials Science International Services GmbH today!

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