

Using SpringerMaterials to Locate Your Landolt-Börnstein Volume and Chapter

This method will work as long as the SpringerMaterials search engine remains freely available.


1. Go to <http://www.springermaterials.com/> and run your search. Searching for a compound and property will probably yield the best results.

The screenshot shows the SpringerMaterials website interface. At the top, it says "SpringerMaterials The Landolt-Börnstein Database" and the Springer logo. Below the header is a search bar with a "Go" button and an "Advanced Search" link. A navigation menu includes "Home", "Bookshelf", "Periodic Table", "Help", "For Librarians", and "Feedback". On the left, there is a sidebar with various categories like "Particles, Nuclei and Atoms", "Molecules and Radicals", "Electronic Structure and Transport", "Magnetism", "Semiconductivity", "Superconductivity", "Crystallography", "Thermodynamics", "Multiphase Systems", "Advanced Materials", "Advanced Technologies", "Astro- and Geophysics", "Inorganic Solid Phases", "Thermophysical Properties", and "Chemical Safety". The main content area features a "Search in SpringerMaterials" graphic with a search box containing "enthalpy and bromobenzne" and a "Go" button. Below this, it states "The World's Largest Resource for Physical & Chemical Data in Materials Science: 250,000 Substances & Material Systems | 3,000 Properties | 1,200,000 Literature Citations". There are also news updates and a "News archive" link.

2. In the search results, click the 'i' icon to bring up more information.

The screenshot shows search results for "enthalpy and bromobenzne". At the top, it says "Results 1 - 10 of 19 Documents" and has navigation buttons for "previous", "12", "next", "Click", "Expanded View", "Clear", and "Refine". The first result is "Thermodynamics > Thermodynamical Properties > Organic Compounds > Enthalpies of Fusion and Transition" for "Organic Compounds, C6". It includes an "i" icon. The metadata for this result is: "Metadata - Substance: bromobenzene ... p-bromobenzene ... 2-dibromobenzene ... Metadata - Property: enthalpy of fusion ... enthalpy of transition ... Fulltext: Selected Selected Selected a Includes enthalpy of transition for cr,II to cr,I. ...". The second result is "Thermodynamics > Thermodynamical Properties > Binary Fluid Systems > Heats of Mixing and Solution > Bromoarenes and Hydrocarbons" for "C6H5Br and C6H14". It also includes an "i" icon. The metadata for this result is: "Metadata - Substance: bromobenzene ... p-bromobenzene ... monobromobenzene ... C6H5Br (bromobenzene) ... Metadata - Property: excess enthalpy ... Fulltext: of component 1 HE/J mol-1, Molar excess enthalpy Method: Direct low-pressure ... A.; Grolier, J.-P. E.; Kehiaian, H. V. Enthalpy of mixing of bromobenzene with ...".


3. In the detailed record, you'll see some key information: chapter title, volume title and volume number. The PDF link will not work because we do not have a subscription to SpringerMaterials.

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Summary Fulltext

Home > Thermodynamics > Thermodynamical Properties > Organic Compounds > Enthalpies of Fusion and Transition > Organic Compounds, C6

Organic Compounds, C6

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Cite as: Volume Number RIS-Export

Zhang, Z.-Y., Frenkel, M., Marsh, K. N., Wilhoit, R. C.: *Organic Compounds, C6*. Marsh, K. N. (ed.). SpringerMaterials - The Landolt-Börnstein Database (<http://www.springermaterials.com>). DOI: 10.1007/10469434

Source:

| | |
|-------------------------|--|
| Title | Organic Compounds, C6 |
| Author | Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit |
| Part of | Landolt-Börnstein - Group IV Physical Chemistry Numerical Data and Functional Relationships in Science and Technology |
| Volume Edited by | 8A: Enthalpies of Fusion and Transition of Organic Compounds |
| Chapter-DOI | K. N. Marsh 10.1007/10469434_5 |
| Book-DOI | 10.1007/b55145 (Volume in Bookshelf) |

Related Documents:

- Title, Authors, Preface
- Introduction
- Organic Compounds, C1 to C3
- Organic Compounds, C4 to C5
- Organic Compounds, C7 to C8
- Organic Compounds, C9 to C10

4. Go to <http://uclibs.org/PID/168793> to get to the Landolt-Börnstein volumes archived in Portico. Scroll the alphabetical list of volumes to find the one you need.

Please be aware that Portico will not include recently published volumes, as SpringerMaterials will continue to add new content. If you do not see your volume listed, please consult your science/engineering librarian for more assistance.

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[Elements, Borides, Carbides, Hydrides](#)

[Energy Levels of Nuclei: A = 5 to A = 257](#)


[Enthalpies of Fusion and Transition of Organic Compounds](#) Volume Title

[Epitaxy Data of Inorganic and Organic Crystals](#)

[Estimation of Unknown Excitation Functions and Thick Target Yields for p, d, He-3 and Alpha-Reactions](#)

[Excitation Functions for Charged-Particle Induced Nuclear Reactions](#)

5. Find your chapter and get the PDF. You will still need to browse or search within the PDF to find the data on your compound.



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Enthalpies of Fusion and Transition of Organic Compounds

Copyright © 1995 Springer-Verlag Berlin Heidelberg
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K. N. Marsh, Editor

1: Title, Authors, Preface. Pages 1-6.
Available Rendition(s) for Section: [PDF](#)

2: Introduction. Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit, Pages 1-23.
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3: Organic Compounds, C1 to C3. Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit, Pages 29-68.
Available Rendition(s) for Section: [PDF](#)

4: Organic Compounds, C4 to C5. Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit, Pages 73-114.
Available Rendition(s) for Section: [PDF](#)

5: Organic Compounds, C6. Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit, Pages 119-155.
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6: Organic Compounds, C7 to C8. Z.-Y. Zhang, M. Frenkel, K. N. Marsh, R. C. Wilhoit, Pages 159-208.
Available Rendition(s) for Section: [PDF](#)

| 130 | | 3.5.3 Organic Compounds, C ₆ | | | | |
|--------|-----|---|------------------------------------|---|------------|-------------|
| Phases | T/K | $\Delta_{tr}H/(kJ\cdot mol^{-1})$ | Sample Description and Purity as % | Method | Reference | |
| cr | 1 | 388.00 ± 0.20 | 24.17 ± 0.18 | cm;cs | DSC | 82-poe/fan |
| | | | [329-71-5] | C ₆ H ₄ N ₂ O ₅ | | MW = 184.11 |
| cr | 1 | 381.00 ± 0.20 | 23.73 ± 0.18 | cm;cs | DSC | 82-poe/fan |
| | | | [573-56-8] | C ₆ H ₄ N ₂ O ₅ | | MW = 184.11 |
| cr | 1 | 336.00 ± 0.20 | 19.58 ± 0.17 | cm;cs | DSC | 82-poe/fan |
| | | | [577-71-9] | C ₆ H ₄ N ₂ O ₅ | | MW = 184.11 |
| cr | 1 | 407.00 ± 0.20 | 25.38 ± 0.25 | cm;cs | DSC | 82-poe/fan |
| | | | [106-51-4] | C ₆ H ₄ O ₂ | | MW = 108.10 |
| cr | 1 | 386.00 ± 0.30 | 18.45 ± 0.17 | cm;sd, sb | drop | 26-and/lyn |
| | | | [108-86-1] | C ₆ H ₅ Br | | MW = 157.01 |
| cr | 1 | 242.43 ± 0.20 | 10.63 ± 0.29 | cm;fd; 99.9m%, ta | conduction | 37-stu |
| cr | 1 | 242.401 ± 0.010 | 10.702 ± 0.010 | sx;fd, zr; 99.998m% | adiabatic | 75-mas/sco |
| cr | 1 | 242.41 ± 0.02 | 10.702 ± 0.010 | | | Selected |