

SOME INFORMATION SOURCES FOR SMALL MOLECULES

[THIS IS A REPRESENTATIVE LIST, IT IS NOT INTENDED TO BE EXHAUSTIVE]

THERE ARE MANY SOURCES OF INFORMATION ON SMALL MOLECULES
IF YOU ARE NOT LOCATING WHAT YOU NEED, **TALK WITH A REFERENCE PERSON**

<u>Reference Tool</u>	<u>Size/Scope</u>	<u>Arrangement of Material</u>	<u>Information Provided</u>	<u>Indexes, Special Features</u>
(1) Comprehensive Inorganic Chemistry , 1973 QD 151.2 C73 Physical Sciences REFERENCE	<ul style="list-style-type: none">• 5 volumes• Covers major periodic group elements and their compounds.	<ul style="list-style-type: none">• Arranged by periodic groups.	<ul style="list-style-type: none">• Physical properties• Chemical properties• Thermodynamic properties• History/uses	<ul style="list-style-type: none">• Master index in volume 5.• SEE ALSO TABLE OF CONTENTS OF VOLUMES.
(2) TRC Thermodynamic Tables , 1986. Q 199 T35 1986 Physical Sciences REFERENCE	<ul style="list-style-type: none">• 10 volumes• Covers many small molecules.	<ul style="list-style-type: none">• Arranged by property (For example, Refractive index; Critical constant).	<ul style="list-style-type: none">• Physical properties• Chemical properties• Thermodynamic properties	<ul style="list-style-type: none">• Volume 10 contains formula index of compounds.• Extensive references
(3) Constants of Diatomic Molecules , 1950. QC 451 H58 M7 1950 v.4 Physical Sciences REFERENCE	<ul style="list-style-type: none">• 1 volume• Covers diatomic molecules and ions.	<ul style="list-style-type: none">• Alphabetically by formula name	<ul style="list-style-type: none">• Electronic energy• Vibrational constants• Rotational constants• Internuclear distance• Other constants	<ul style="list-style-type: none">• The entire volume is arranged as a formula index.
(4) Solubilities, Inorganic and Metal-Organic Compounds , 1958-65. QD 66 S45 1958 Physical Sciences REFERENCE	<ul style="list-style-type: none">• 2 volumes• Covers inorganic and metal-organic compounds.	<ul style="list-style-type: none">• Arranged by element.	<ul style="list-style-type: none">• Solubilities of many compounds and in various solvents.	<ul style="list-style-type: none">• Subject index with molecular formulas.• Author index for citations.

FURTHER INFORMATION SOURCES FOR SMALL MOLECULES

<u>Reference Tool</u>	<u>Size/Scope</u>	<u>Arrangement of Material</u>	<u>Information Provided</u>	<u>Indexes, Special Features</u>
(5) Practicing Scientist's Handbook , c1978. QC 173.397 M91 Physical Sciences REFERENCE	<ul style="list-style-type: none"> • 1 volume • Comprehensive materials property data for practicing scientists. 	<ul style="list-style-type: none"> • Generally by element within broad categories such as-- OPTICAL PROPERTIES. 	<ul style="list-style-type: none"> • Physical properties • Chemical properties • Thermal properties • Many other properties 	<ul style="list-style-type: none"> • Alphabetic subject index. • SEE ALSO TABLE OF CONTENTS.
(6) Encyclopedia of Inorganic Chemistry , c1994. QD 148 E56 Physical Sciences REFERENCE	<ul style="list-style-type: none"> • 8 volumes • 260 main articles • 860 short entries on inorganic chemistry 	<ul style="list-style-type: none"> • Alphabetic • SEE INDEX--each element has an entry (For example: Tungsten halides; Selenium di-bromide- properties). 	<ul style="list-style-type: none"> • Various properties of small molecules (SEE For example: Boron hydrides or noble gases). 	<ul style="list-style-type: none"> • SEE volume 8 for alphabetic index. • Extensive references for each topic.
(7) Simple Inorganic Substances , 1989. QD 151.2 S21 Physical Sciences STACKS	<ul style="list-style-type: none"> • 1 volume • Covers many binaries. • Emphasizes the most common substances used by chemists. 	<ul style="list-style-type: none"> • SEE TABLE OF CONTENTS. 	<ul style="list-style-type: none"> • Physical properties • Chemical properties • Nuclear properties 	<ul style="list-style-type: none"> • Alphabetic subject index. • SEE EXTENSIVE TABLE OF CONTENTS.

SEE ALSO: Landolt-Bornstein (Reference Q 199 L25): Use Substance Index, 1993, subvolume A and Gmelins Handbuch (Stacks QD 151 G5): Use Cumulative Formula Index.

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