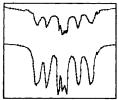


Specialist Periodical Report

Spectroscopic Properties of Inorganic and Organometallic Compounds Vol. 16



Senior Reporters G. Davidson

E. A. V. Ebsworth

This volume reviews the recent literature published up to late 1982.

Brief Contents:

Nuclear Magnetic Resonance Spectroscopy

Introduction; Stereochemistry; Dynamic Systems; Paramagnetic Complexes; Solid-state N.M.R. Spectroscopy; Group IIIB Compounds; Group IVB Elements; Compounds of Groups VI and VII and Xenon; Appendix.

Nuclear Quadrupole Resonance Spectroscopy

Introduction; Main-group Elements; Transition Metals and Lanthanides.

Rotational Spectroscopy

Introduction; van der Waals and Hydrogen-bonded Complexes; Triatomic Molecules and Ions; Terraatomic Molecules; Penta-atomic Molecules; Molecules with Six or More Atoms.

Characteristic Vibrations of Compounds of Main-group Elements

Group I; Group II; Group IV; Group V; Group VI; Group VII; Group VIII.

Vibrational Spectra of Transition-element Compounds

Introduction; Detailed Studies; Scandium, Yttrium, and the Lanthanoids; Titanium, Zirconium, and Hafnium; Vanadium, Niobium, and Tantalum; Chromium, Molybdenum, and Tungsten; Manganese, Technetium, and Rhenium; Iron, Ruthenium, and Osmium; Cobalt, Rhodium, and Iridium; Nickel, Palladium, and Platinum; Copper, Silver, and Gold; Zinc, Cadmium, and Mercury; The Actinoids.

Vibrational Spectra of Some Co-ordinated Ligands

Carbon Donors; Carbonyl and Thiocarbonyl Complexes; Nitrogen Donors; Phosphorus and Arsenic Donors; Oxygen Donors; Sulphur, Selenium, and Tellurium Donors; Potentially Ambident Ligands.

Mössbauer Spectroscopy

Introduction; Theoretical; Instrumentation and Methodology; Back-scatter and Conversion-electron Mössbauer Spectroscopy; Iron-57; Tin-119.

Gas-phase Molecular Structures Determined by Electron Diffraction

Introduction; Compounds of Main-group I Elements; Compounds of Main-group III Elements; Compounds of Main-group IV Elements; Compounds of Main-group V Elements; Compounds of Main-group VI Elements; Compounds of Main-group VI Elements; Compounds.

Hardcover 379pp 0 85186 143 1 Price £78.00 (\$140.00) RSC Members £39.00

RSC Members should send their orders to: The Membership Officer, The Royal Society of Chemistry, 30 Russell Square, London WC1B 5DT, England.

Non-RSC Members should send their orders to: The Royal Society of Chemistry, Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN, England.







CHEMICAL HAZARDS IN INDUSTRY

A MONTHLY CURRENT AWARENESS BULLETIN WHICH REPORTS ON HAZARDS, HEALTH AND SAFETY IN THE CHEMICAL AND ALLIED INDUSTRIES.

CHEMICAL HAZARDS IN INDUSTRY (CHI) is

- designed to give full coverage of the recent scientific literature concerning health and safety information, hazards, and safe working practices in chemical plants and related facilities.
- CHI... contains over 200 items per issue drawn from hundreds of primary journals and periodicals on a regular basis keeping you up to date and saving you the time, effort and expense of manual literature searching.
- CHI... covers health and safety, toxicology, environmental health, epidemiology, medicine, chemical and biological hazards, accident prevention, chemical engineering and new legislation, making it a comprehensive single source of vital information for all those working in the chemical and allied industries
- CHI... references include titles, full bibliographic details and ABSTRACTS.
- CHI... is indexed by both Chemical and Subject, making it easy to locate the items you are particularly interested in. An enhanced cumulative index will be produced annually as a separate issue.

Keeping aware in the field of Health and Safety can save lives! Keep aware with 'CHI'

Free Sample Issues available on request.



the current awareness periodical which keeps you up to date with safety measures, potential hazards and new legislation affecting laboratory staff in the chemical and allied industries.

LABORATORY HAZARDS BULLETIN -

- contains up to 60 highly topical and important references per monthly issue, drawn from current scientific and technical literature worldwide.
- * references each include document title, bibliographic citation and full ABSTRACT.
- is produced by a combination of manual and computerised methods to ensure comprehensive coverage.
- issues each contain a subject index, enhanced and cumulated annually, to facilitate your search for items of interest.
- * saves you the time, effort and expense of manual literature searching!

Hazards in the Chemical Laboratory

deals with safety measures, practice and toxic effects:-

- Health & Safety at Work Act '74
- Safety Planning & Management
- Fire protection
- Reactive Chemical Hazards
- Health Care & First Aid
- Hazardous Chemicals
- Precautions against Radiation
- Chemical Hazards & Toxicology

Regarded by many as the most authoritative, comprehensive source of chemical laboratory safety information — Buy it and get £5.00 DISCOUNT off LABORATORY HAZARDS BULLETIN!

For further details of these publications contact:—

The Royal Society of Chemistry The University Nottingham NG7 2RD

Tel. 0602 507411 Telex: 37488



Edition

