



CRC Handbook of Chemistry and Physics, 95th Edition

William M. Haynes

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New tables: Section 8: Analytical Chemistry Figures of Merit
Common Symbols Used in Gas and Liquid Chromatographic Schematic Diagrams
Varieties of Hyphenated Gas Chromatography with Mass Spectrometry
Section 15: Practical Laboratory Data
Standard Fittings for Compressed Gas Cylinders
Plug and Outlet Configurations for Common Laboratory Devices
Section 16: Health and Safety Information
Abbreviations Used in the Assessment and Presentation of Laboratory Hazards
Incompatible Chemicals
Explosion (Shock) Hazards
Water-Reactive Chemicals
Testing Requirements for Peroxidizable Compounds
Tests for the Presence of Peroxides
Pyrophoric Compounds - Compounds That Are Reactive with Air
Flammability Hazards of Common Solvents
Selection of Laboratory Gloves
Selection of Respirator Cartridges and Filters
Selection of Protective Laboratory Garments
Protective Clothing Levels
Chemical Fume Hoods and Biological Safety Cabinets
Gas Cylinder Safety and Stamped Markings
Laser Hazards in the Laboratory
General Characteristics of Ionizing Radiation for the Purpose of Practical Application of Radiation Protection
Radiation Safety Units
Significantly updated and expanded tables: Section 1: Basic Constants, Units, and Conversion Factors
Update of Standard Atomic Weights (2013)
Update of Atomic Masses and Abundances
Section 8: Analytical Chemistry
Expansion of Abbreviations and Symbols Used in Analytical Chemistry
Section 9: Molecular Structure and Spectroscopy
Update of Bond Dissociation Energies
Section 12: Properties of Solids
Major update and Expansion of Electron Stopping Powers
Section 14: Geophysics, Astronomy, and Acoustics
Major Update of Interstellar Molecules
Update of Atmospheric Concentration of Carbon Dioxide, 1958-2013
Update of Global Temperature Trend, 1880-2013
Section 15: Practical Laboratory Data
Major update of Reference Points on the ITS-90 Temperature Scale
Update of Laboratory Solvents and Other Liquid Reagents
Section 16: Health and Safety Information
Update of Flammability of Chemical Substances
Update of Threshold Limits for Airborne Contaminants to 2013 values
Appendix B: Update of Sources of Physical and Chemical Data



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