

What's New to the 99th Edition?

The 99th Edition contains two new tables of major importance.

- Chemical Reaction Rate Constants for Atmospheric Studies — This document contains the latest data on reaction rates and equilibrium constants covering the most important atmospheric chemistry reactions. These data come from the most recent NASA-JPL tables
- Persistent Lines of the Neutral Atomic Elements — This document has line spectra and transition probability data from the latest NIST updates on atomic spectra

We have also made several major additions and improvements that reflect our commitment to keep the *CRC Handbook* up to date with new data.

- Atomic Masses and Abundances — Updated with the new recommendations of the Atomic Mass Data Center
- Bond Dissociation Energies — The latest experimental values for a number of molecules
- Electron Affinities — New measurements, including radicals of importance in combustion
- Interstellar Molecules — Complete list of molecules observed in space to date
- Major World Earthquakes — Updated through 2017
- Atmospheric Concentration of Carbon Dioxide, 1959-2017 — Updated through 2017
- Global Temperature Trend, 1880-2017 — Updated through 2017
- Threshold Limits for Airborne Contaminants — Updated to 2017 recommendations
- Properties and Functions of Common Drugs — Property and functionality data for additional drugs
- Energy Content of Fuels — New fuels of commercial importance
- Flammability of Chemical Substances — Data for additional substances, including commercial mixtures

The Index to the *CRC Handbook* covers properties, processes, general concepts, and classes of substances. Space does not permit an index to individual chemical compounds, but the Online Edition provides searching for compounds on the basis of name, synonym, molecular formula, Registry Number, and structure. For the Print Edition, indexes to the tables "Physical Constants of Organic Compounds" and "Physical Constants of Inorganic Compounds" are available in PDF form by e-mail request to john.rumble@hbc.com.