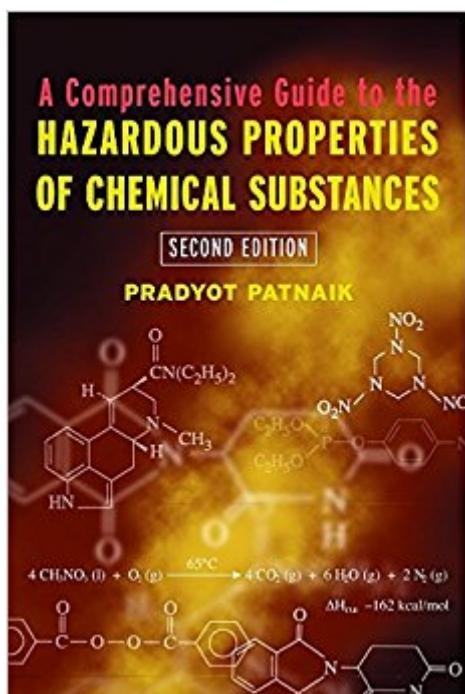


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A Comprehensive Guide To The Hazardous Properties Of Chemical Substances, 2nd Edition



Synopsis

More than just a compendium of hazardous materials, this book correlates the chemical structure of compounds to their hazardous properties, thereby allowing us to assess the toxicity of a substance even when no experimental data exists. Clearly illustrating the chemical structures of more than 1,500 chemicals from 46 different groups, this important update of the 1992 guide adds 1,000 new entries under specific classes of compounds along with major revisions in every other respect. Organics, metals and inorganics, industrial solvents, common gases, particulates, explosives, and radioactive substances are thoroughly examined for all facets of their primary characteristics-from toxicity and carcinogenicity to flammability and explosive reactivity to handling and disposal practices. Special features of the Second Edition include: * Fifteen new chapters covering teratogenic and addictive substances, organometallic compounds, sulfur mustards and esters, and much more * An up-to-date review of synonyms, CAS numbers, physical properties, uses, chemical analyses, and EPA and DOT status * Expanded coverage of pesticides and herbicides, and other topics * Regrouping of metals according to reactivity or toxicity * Revision of the relevant federal regulatory requirements * Extensive literature citations on current analytical methods An indispensable reference for investigative and analytical chemists as well as professionals dealing with industrial hygiene, safety, hazardous waste, and compliance issues, this book also serves as an excellent complement to such major references as *Sax's Dangerous Properties of Industrial Materials*, *Hazardous Chemicals Desk Reference*, *Hawley's Condensed Chemical Dictionary*, and *Environmental Contaminant Reference Databook*, Volumes I, II, and III-all available from Wiley.

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"...a valuable reference volume that complements other available major references...highly recommended..." (Carbohydrate Polymers, Vol 55, 2004)

A new edition of the definitive guide to the hazardous properties of chemical compounds. More than just a compendium of hazardous materials, this book correlates the chemical structure of compounds to their hazardous properties, thereby allowing us to assess the toxicity of a substance even when no experimental data exists. Clearly illustrating the chemical structures of more than 1,500 chemicals from 46 different groups, this important update of the 1992 guide adds 1,000 new entries under specific classes of compounds along with major revisions in every other respect. Organics, metals and inorganics, industrial solvents, common gases, particulates, explosives, and radioactive substances are thoroughly examined for all facets of their primary characteristics—from toxicity and carcinogenicity to flammability and explosive reactivity to handling and disposal practices. Special features of the Second Edition include: * Fifteen new chapters covering teratogenic and addictive substances, organometallic compounds, sulfur mustards and esters, and much more * An up-to-date review of synonyms, CAS numbers, physical properties, uses, chemical analyses, and EPA and DOT status * Expanded coverage of pesticides and herbicides, and other topics * Regrouping of metals according to reactivity or toxicity * Revision of the relevant federal regulatory requirements * Extensive literature citations on current analytical methods An indispensable reference for investigative and analytical chemists as well as professionals dealing with industrial hygiene, safety, hazardous waste, and compliance issues, this book also serves as an excellent complement to such major references as *Sax's Dangerous Properties of Industrial Materials*, *Hazardous Chemicals Desk Reference*, *Hawley's Condensed Chemical Dictionary*, and *Environmental Contaminant Reference Databook*, Volumes I, II, and III—all available from Wiley.

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