

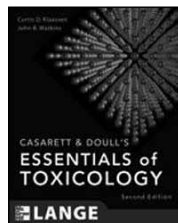
Casarett & Doull's Essentials of Toxicology, Second Edition

John B. Watkins III and Curtis D. Klaassen

Publication #04-002 \$62.95

The Second Edition of *Casarett & Doull's Essentials of Toxicology* is an easy-to-absorb distillation of the field's gold-standard text, *Casarett & Doull's Toxicology: The Basic Science of Poisons*. Presented in full color, the book provides you with a solid grounding in basic and medical toxicology. It covers essential principles, toxicokinetics, how toxic effects are passed on to succeeding generations, how each body system responds to poisons, and the specific effects of a wide range of toxic agents – from pesticides to radiation.

ISBN: 978-0-071-62240-0. © 2010. 560 pages.



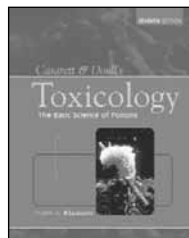
Casarett and Doull's Toxicology: The Basic Science of Poisons, Seventh Edition

Curtis D. Klaassen, Editor

Publication #9269 \$125

Long-established as the gold standard in the field, the Seventh Edition of this comprehensive classic text equips the reader with an unsurpassed treatment of modern toxicology, including the principles, concepts, mechanisms, and modes of thought that are the foundation of the discipline. The book follows a logical progression from general principles to specific topics, providing a careful exposition of each toxicological principle and its practical applications. This new edition features many new contributors, new content on chemical terrorism, and is updated throughout.

ISBN: 978-0-07-147051-3. © 2007. 1,280 pages.

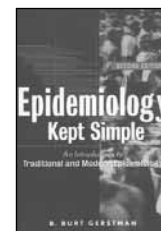


Epidemiology Kept Simple: An Introduction to Traditional and Modern Epidemiology, Second Edition

B. Burt Gerstman

Publication #99-048 \$89.95

The Second Edition of *Epidemiology Kept Simple* updates the First Edition using traditional and modern epidemiological approaches that give the reader simple, yet effective tools to interpret epidemiological data, keep up with current literature, and prepare for qualifying exams with epidemiological content. Topics covered include:



- The historical development of epidemiological ideas
- Causal concepts
- Identification and classification of disease
- Measures of disease frequency (incidence and prevalence)
- Stratification and adjustment
- Measures of association and potential impact
- Types of studies and epidemiological study designs
- Sources of error in epidemiological study designs
- Confidence intervals and p values
- Mantel-Haenszel methods of confounder adjustment
- Statistical interaction in epidemiological studies
- Causal inference
- Survival analysis and current life tables
- Clusters and outbreaks

This Second Edition is an ideal introductory text for public health training programs as well as for students and professionals in medicine, health education, and the biological sciences, and for all who would like to sharpen their epidemiological skills.

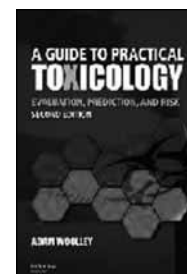
ISBN: 978-0-471-40028-8. © 2003. 417 pages.

A Guide to Practical Toxicology: Evaluation, Prediction and Risk, Second Edition

Adam Woolley

Publication #04-017 \$100

A Guide to Practical Toxicology is an invaluable guide to evaluating toxicity and related data, approaching toxicity testing and interpretation, and understanding the concepts of hazard prediction and risk assessment and management. The text examines how to evaluate various groups of chemicals — pharmaceuticals, cosmetics, and agrochemicals; provides insights on toxicity determination, normality and naturality, prediction, and regulation. Two all-new chapters cover safety pharmacology and evaluation of different chemical classes.



ISBN: 978-1-4200-4314-3. © 2008. 472 pages.



Infectious Disease Handbook for Emergency Care Personnel, Third Edition

Katherine H. West

Publication #9323 \$31.95

Since the publication of the first edition of this handbook, prevention of occupational transmission of infectious diseases has become a much greater concern for an even broader range of workers. Newly revised, updated, and expanded, the Third Edition of this publication is intended to be a practical hands-on reference for all professionals concerned with preventing the occupational transmission of infectious diseases. As a result of the September 11th terrorist attacks on America, attention is now focused on the real threat of bioterrorist warfare. The now infamous anthrax disease, smallpox organism, and West Nile Virus disease are discussed in this edition. Recognition of these and other diseases, modes of transmission, symptoms, protective/preventative measures, post-exposure follow-up, and engineering controls are discussed. Information is presented in an outline format for easy use.



ISBN: 978-1-882417-45-2. © 2001. 187 pages.

ACGIH Members receive 10% off all ACGIH* Signature Publications.

"The book is a compact work, . . . highly portable and valuable reference work to take on the road. Its thorough overview of infection control practices and procedures is suitable for managers and front line personnel alike. The first editions of West's book have become staples of emergency medical service libraries since their publication and this new version is a more than worthy successor."

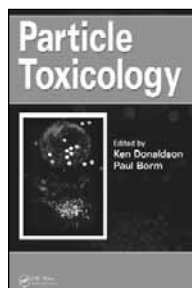
— Tonya Schafer, Merginet.News

Particle Toxicology

Ken Donaldson and Paul Borm, Editors

Publication #07-007 \$199.95

Particle Toxicology emphasizes a multidisciplinary approach to understanding particle toxicology through physics, chemistry, environmental, and medical science. The book is organized around the toxicology paradigm of exposure–dose–response, while also focusing on mechanistic toxicology. Topics include:



- Understanding particle actions, measurement, testing, and pathogenic exposure to fine and ultrafine particles
- Oxidative stress and the inflammatory response as the main paradigm at various sites in the body including the lungs, brain, and cardiovascular system
- Structure, mineralogy, and toxicology of nanoparticles as well as industrial particles such as silica, asbestos, and metal dust

ISBN: 978-0-8493-5092-4. © 2006. 456 pages.

Patty's Toxicology, Fifth Edition

Eula Bingham, Barbara Cohrssen and Charles Powell, Editors

Complete Set (Volumes 1-8 + Index Set)

Publication #Patty's Tox Set \$2,915

For over 50 years, *Patty's* has served as the standard reference for occupational health and toxicology professionals. Now in its Fifth Edition, *Patty's* has been completely revised and updated.

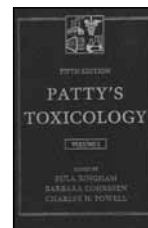
Featuring improved format and complete reorganization of the material, *Patty's Toxicology*, Fifth Edition presents comprehensive toxicological data for industrial compounds in logical groupings, from metals to synthetic polymers. Information for each compound includes CAS numbers, RTECS numbers, physical and chemical properties, threshold limit values (TLVs®), permissible exposure limits (PELs), maximum workplace concentrations (MAK), and biological tolerance values for occupational exposures (BAT). Coverage also includes major issues in toxicology assessment as well as other forms of toxic agents.

ISBN: 978-0-471-31943-6.

Volume 1: Toxicology Issues: Dust and Particulates

Publication #0630 \$390

The 24 chapters are organized into four sections providing topic coverage of: use of toxicologic data to determine chemical safety, pathways and measuring exposure to toxic substances, reproductive toxicology, carcinogenesis, assessment of toxic risk, cancer risk assessment, toxic substance regulations and guidelines, and toxic chemical information sources.



Sections include: inorganic particulates, dusts, particulates of biological origin, and infectious agents in the workplace.

ISBN: 978-0-471-31932-0. © 2000. 1,056 pages.

Volume 2: Metal Compounds 1

Publication #0631 \$390

Includes: evaluation of exposure to ionizing radiation; metallocenes; neurotoxicology and neurobehavior; silver and gold; beryllium; magnesium, calcium, strontium, barium, and radium; zinc and cadmium; mercury, aluminum, gallium, indium, and thallium; germanium, tin, and copper; lead; titanium, zirconium, and hafnium; and arsenic, antimony, and bismuth.

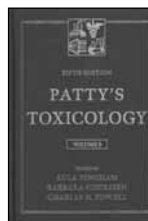


ISBN: 978-0-471-31933-7. © 2000. 1,056 pages.

Volume 3: Metal Compounds 2

Publication #0632 \$390

Includes: vanadium, columbium, and tantalum; chromium, molybdenum, and tungsten; manganese and rhenium; iron and cobalt; nickel, ruthenium, rhodium, palladium, osmium, and platinum; uranium and thorium; cerium, praeosodymium, neodymium, promethium, samarium, etc.; phosphorus, selenium, tellurium, and sulfur; boron; alkaline materials-sodium, potassium, cesium, and rubidium; inorganic nitrogen, carbon, and oxygen; and inorganic halogens.



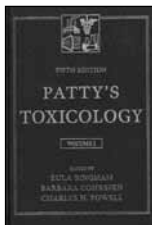
ISBN: 978-0-471-31934-1. © 2000. 1,056 pages.

Volume 4: Hydrocarbons and Organic Nitrogen Compounds

Publication #0633 \$390

Includes: aliphatic hydrocarbons; alicyclic hydrocarbons; aromatic hydrocarbons, benzene, and other alkylbenzenes; polycyclic and heterocyclic aromatic hydrocarbons; phenols; aliphatic nitro, nitrates, and nitrite compounds; n-nitrosamines and nitrosamine; aliphatic and alicyclic amines; aromatic nitro and amino compounds; aromatic amino and nitro compounds and their halogenated derivatives; aliphatic and aromatic nitrogen ring compounds; miscellaneous organic nitrogen compounds; and nitriles and cyanides.

ISBN: 978-0-471-31935-1. © 2000. 1,056 pages.

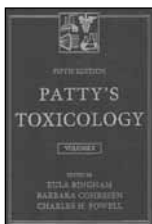


Volume 5: Organic Halogenated Hydrocarbons and Aliphatic Carboxylic Acid Compounds

Publication #0641 \$390

Includes: saturated methyl halogenated aliphatic hydrocarbons; saturated halogenated aliphatic hydrocarbons; unsaturated halogenated hydrocarbons; dioxin; halogenated naphthalenes, dibenzo-p-dioxins, dibenzofurans, and bridged diphenyls; halogenated benzenes and naphthalenes; organic chlorofluorohydrocarbons; organic chlorinated hydrocarbons, pesticides; saturated aliphatic carboxylic acids; unsaturated aliphatic carboxylic acids; ethers; and aldehydes.

ISBN: 978-0-471-31936-8. © 2000. 1,056 pages.

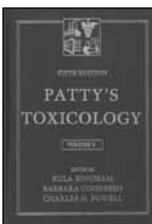


Volume 6: Ketones, Alcohols, Ester and Epoxy Compounds

Publication #0642 \$390

Includes: acetone; ketones, four and five carbons; ketones, six to thirteen carbons; monohydric alcohols, C1 to C6; monohydric alcohols, C7 to C18, aromatic and other alcohols; esters of mono and alkenyl carboxylic acids and mono alcohols; esters of aromatic monocarboxylic acids, di- and tri-carboxylic acids, etc.; esters of carbonic and orthocarbolic acid, organic phosphorus, etc.; epoxy compounds, olefins, oxides, glycidyl ethers, etc.; epoxy compounds, aromatic diglycidyl, polyglycidyl, etc.; and organic peroxides.

ISBN: 978-0-471-31939-9. © 2000. 1,056 pages.

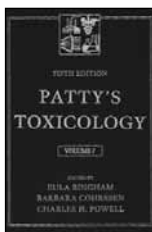


Volume 7: Glycol Esters and Synthetic Polymer Compounds

Publication #0643 \$390

Includes: glycols; glycol ethers-ethers of ethylene glycols; glycol ethers-ethers of propylene, butylene glycols, etc.; synthetic polymers, olefin resins; synthetic polymers, olefin diene elastomers, and vinyl halides; synthetic polymers-polyvinyl acetate, alcohol, etc.; synthetic polymers-cellulosics, other polysaccharides, etc.; synthetic polymers-polyesters, polyethers, etc.; synthetic polymers-polyurethanes, etc.; organic sulfur compounds; and organophosphorus compounds.

ISBN: 978-0-471-31940-5. © 2000. 1,056 pages.

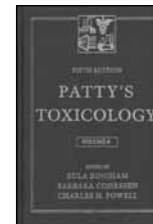


Volume 8: Physical Agents, Interactions, Mixtures and Populations at Risk

Publication #0644 \$390

Includes: toxic effects of exposure to physical agents; cold stress; heat stress; noise and ultrasound; nonionizing, low electromagnetic energies; radiofrequency and microwave radiation; optical radiation; lasers; ergonomics; occupational vibration, whole body; abnormal pressures, hyperbaric and hypobaric; biological rhythms, shift work, and occupational health; smoke and combustion products; chemical and physical agent interactions; populations at risk; and carbon black.

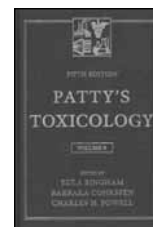
ISBN: 978-0-471-31941-2. © 2000. 1,056 pages.



Volume 9: Cumulative Index

Publication #0645 \$390

ISBN: 978-0-471-31942-9. © 2000. 1,056 pages.



ALSO AVAILABLE:

Patty's Industrial Hygiene and Toxicology, Fifth Edition on CD-ROM. See Computer Resources section of this catalog, page 47.

Patty's Toxicology, Fifth Edition — Mini Sets

Eula Bingham, Barbara Cohrssen and Charles Powell, Editors

The recently revised and reorganized *Patty's Toxicology* is an industry leader in presenting comprehensive data. *Patty's* has now gone a step further. In an effort to target specific topics of interest to specific segments of industrial toxicology, three mini sets are being offered. Each mini set focuses on a different group of toxins.

Mini Set #1 (Volumes 1 and 8)

Publication #Patty's Mini01 \$635

This two-volume mini set focuses on general toxicology principles, as well as inorganic particulates and physical and biological hazards. Sections included in Volume 1 are:

- Inorganic particulates
- Dusts
- Particulates of biological origin
- Infectious agents in the workplace

Volume 8 complements the set with its focus on toxic effects of exposure to physical agents; cold stress; heat stress; noise and ultrasound; nonionizing, low electromagnetic energies; radiofrequency and microwave radiation; optical radiation; lasers; ergonomics; occupational vibration — whole body; abnormal pressures; hyperbaric and hypobaric; biological rhythms; shift work and occupational health; smoke and combustion products; chemical and physical agent interactions; carbon black; and populations at risk.

ISBN: 978-0-471-22770-0. © 2001. 2,112 pages.

Mini Set #2 (Volumes 2 and 3)

Publication #Patty's Mini02 \$635

In this two-volume mini set, metals are covered in-depth. From evaluation of exposure to ionizing radiation through inorganic halogens, this set presents a thorough discussion of metal compounds.

ISBN: 978-0-471-22771-7. © 2001. 2,112 pages.

Mini Set #3 (Volumes 4, 5, 6, and 7)

Publication #Patty's Mini03 \$1,275

This four-volume mini set thoroughly examines organics. Topics covered include the following:

- Hydrocarbons and organic nitrogen compounds
- Organic halogenated hydrocarbons and aliphatic carboxylic acid compounds
- Ketones, alcohols, ester and epoxy compounds
- Glycol esters and synthetic polymer compounds

This mini set is destined to become the standard reference for organics.

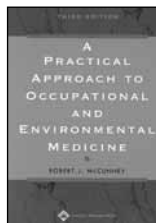
ISBN: 978-0-471-22772-4. © 2001. 4,224 pages.

A Practical Approach to Occupational and Environmental Medicine, 3rd Edition

Robert J. McCunney, Editor in Chief, et al.

Publication #05-008 \$85

A companion book to *Occupational and Environmental Medicine: Self-Assessment Review*, 2nd Edition, this easy-to-read reference is a comprehensive resource in occupational and environmental medicine that focuses on practical applications for expert, as well as non-expert practitioners.



Addressing a wide range of disorders, including pulmonary disease, cancer, musculoskeletal disorders, noise-induced hearing loss, occupational skin diseases, ergonomics, and allergy and immunology, each chapter provides either a detailed introduction, or an up-to-date review of the subject.

The 3rd Edition has expanded coverage of musculoskeletal disorders; risks in medical centers, construction activities, and the transportation industry; the American College of Occupational and Environmental Medicine (ACOEM) core competencies; and allergies, asthma, and the human genome.

Includes a CD-ROM with the *NIOSH Pocket Guide to Chemical Hazards* and nine other critical databases.

ISBN: 978-0-7817-3674-9. © 2003. 912 pages.

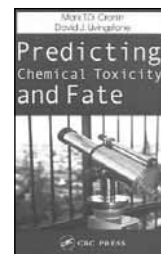
“This guide can serve as a ready reference for the industrial hygienist looking for answers to the wide-ranging health questions with which we are routinely confronted.” — Deborah Green, CIH

Predicting Chemical Toxicity and Fate

Mark T.D. Cronin and David J. Livingstone

Publication #04-025 \$144.95

Predicting Chemical Toxicity and Fate discusses the use of Quantitative Structure-Activity Relationships (QSARs) to predict the toxicity and fate of chemicals both to man and in the environment, and provides a comprehensive explanation of the available predictive methods to estimate the physicochemical properties, biological activities, and fate of chemicals. Students and professionals will find this a practical, useful resource that illustrates methods in real life situations. Topics include:



- An introduction and overview of the development of computational models and QSARs
- A description of QSAR methods
- QSARs and computational methods predicting human health endpoints—models for mutagenicity and carcinogenicity, and pharmacokinetic and metabolic effects
- Detailed methods available to predict environmental toxicities—acute toxicity, endocrine disruption, and the persistence and fate of chemicals
- QSARs used to solve toxicological problems—replacement of animals in chemical testing, validation and usage by governmental and regulatory agencies, and approaches for predicting effects

ISBN: 978-0-415-27180-6. © 2004. 472 pages.

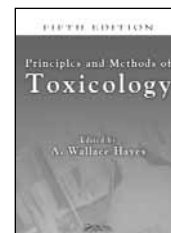
“Since industrial hygienists are involved in ‘anticipating’ workplace chemical hazards, this book should be of interest to many, especially those involved in the toxicological aspects of occupational hygiene.”
— William Alexander, CIH, PhD

Principles and Methods of Toxicology, Fifth Edition

A. Wallace Hayes

Publication #07-017 \$199.95

The Fifth Edition continues the tradition of comprehensive coverage with four new chapters, several new authors, and an expanded glossary. New topics added to this edition include toxicopainomics, plant and animal poisons, information resources, and non-animal testing alternatives. The history of toxicology is reviewed and basic toxicological principles explained. Additional information covered includes:



- In-depth discussions of underlying toxicological principles
- Agents of toxicity, including food-borne, industrial chemicals, agricultural chemicals, and metals
- Target organ toxicity, and toxicological testing methods required to meet regulatory needs worldwide
- Practical advice, detailed methods, and protocols for students and working professionals

ISBN: 978-0-8493-3778-9. © 2007. 2,304 pages.

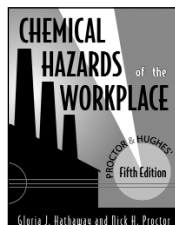
“The individual chapters have good depth and the information provided should be a valuable asset to a broad spectrum of safety and health professionals from the newest industrial hygienist to the seasoned toxicologist.” — William Alexander, CIH, PhD

Proctor & Hughes' Chemical Hazards of the Workplace, Fifth Edition

Gloria Hathaway and Nick H. Proctor

Publication #9115 \$199.95

Chemical Hazards of the Workplace, Fifth Edition, is a comprehensive reference text for health professionals who require toxicology data on hazardous chemicals that may be encountered in the workplace. The format of the text includes the chemical formula, CAS number, synonyms, physical form, uses, and routes of exposure. The toxicology profile will include acute and chronic effects, especially as related to any known exposure levels. The 2003 TLVs® will be referenced to provide readers with a context for comparing toxicological effects with permitted exposure levels. The new edition, now fully updated, revises more than 600 entries and also adds monographs on new compounds.



ISBN: 978-0-471-26883-3. © 2004. 688 pages.

Sax's Dangerous Properties of Industrial Materials, Eleventh Edition Three Volume Print Set

Richard J. Lewis, Sr.

Publication #0680 \$650

Now in its Eleventh Edition, this three-volume set contains extensive data on approximately 26,000 substances, including 2,000 new entries and also includes Immediately Dangerous to Life or Health (IDLH) levels for approximately 1,000 chemicals, proving essential for designing adequate ventilation systems and selection of respiratory protection.



Other highlights include:

A special appendix containing information on nerve gases and biological agents that might appear in the workplace as a result of terrorist activity.

It is the only reference that combines, for so many substances, data on toxicological, fire, reactivity, explosive potential, and regulatory information.

Regulatory data cover exposure level classifications for a number of regulatory agencies, from OSHA to the U.S. Department of Transportation.

Sax's Dangerous Properties of Industrial Materials, Eleventh Edition provides an essential, up-to-date resource for professionals in industrial hygiene, safety, emergency response, law, and policymaking.

ISBN: 978-0-471-47662-7. © 2004. 4860 pages.

Also available on CD-ROM. See the Computer Resources section of the catalog, page 47.

Also available as a Manual and CD-ROM package.

Publication #0680C \$1,350.50

This set includes both the three-volume print edition and CD-ROM of *Sax's Dangerous Properties of Industrial Materials*, Eleventh Ed.

NOTE: This item is shipped directly from the vendor rather than from ACGIH®; please allow extra time for it to be received at your location.

SPECIAL NOTE: PROGRAMS MUST BE PREPAID AND CANNOT BE RETURNED. Please read the description carefully so that the correct product is ordered for your application.

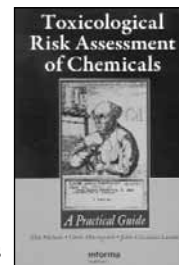
ISBN: 978-0-471-70133-0. © 2004.

Toxicological Risk Assessment of Chemicals: A Practical Guide

Elsa Nielsen, Grete Østergaard, John Christian Larsen

Publication #08-009 \$149.95

This book lays out the principal activities of conducting a toxicological risk assessment, including international approaches and methods for the risk assessment of chemical substances. Each step in the process is illustrated, including hazard identification, a dose response assessment, and exposure assessment. The basic concepts of interaction of chemicals in mixtures are summarized and various approaches to testing such mixtures are discussed.



Toxicological Risk Assessment of Chemicals also features:

- The assessment of multiple chemical exposures or chemical mixtures
- Data from both human and animal studies
- Discussion of standards from all international regulatory agencies
- Explanation of the linearized multi-stage mathematical model widely used by the U.S. EPA for characterizing risks

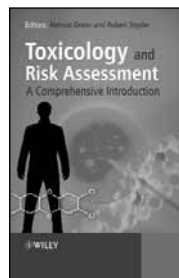
ISBN: 978-0-84937265-0. © 2008. 448 pages.

Toxicology and Risk Assessment: A Comprehensive Introduction

Helmut Greim and Robert Snyder, Editors

Publication #08-007 \$150

Comprehensive and up-to-date, this book provides the essential toxicology information in one text. It describes the basic principles of toxic mechanisms and organ toxicity, and gives detailed information and examples on specific mechanisms or chemicals. The six sections of the book include:



- Principles in Toxicology
- Organ Toxicology
- Methods in Toxicology
- Risk Assessment
- Risk Management
- Toxicity of Chemicals

Toxicology and Risk Assessment is relevant to all studying toxicology, as well as professionals in hospitals, universities, and industry.

ISBN: 978-0-470-86893-5. © 2008. 698 pages.

"It is relevant for all areas of the safety and health field and I highly recommend it!" — David Barber