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# Emergency Response Guidebook A Guidebook for First Responders during the Initial Phase of a Dangerous Goods/Hazardous Materials Transportation Incident

*Simon and Schuster* **Does the identification number 60 indicate a toxic substance or a flammable solid, in the molten state at an elevated temperature? Does the identification number 1035 indicate ethane or butane? What is the difference between natural gas transmission pipelines and natural gas distribution pipelines? If you came upon an overturned truck on the highway that was leaking, would you be able to identify if it was hazardous and know what steps to take? Questions like these and more are answered in the Emergency Response Guidebook. Learn how to identify symbols for and vehicles carrying toxic, flammable, explosive, radioactive, or otherwise harmful substances and how to respond once an incident involving those substances has been identified. Always be prepared in situations that are unfamiliar and dangerous and know how to rectify them. Keeping this guide around at all times will ensure that, if you were to come upon a transportation situation involving hazardous substances or dangerous goods, you will be able to help keep others and yourself out of danger. With color-coded pages for quick and easy reference, this is the official manual used by first responders in the United States and Canada for transportation incidents involving dangerous goods or hazardous materials.**

# NFPA 704

## Standard System for the Identification of the Hazards of Materials for Emergency Response

## NFPA Pocket Guide to Hazardous Materials

*Jones & Bartlett Learning* **A wealth of vital haz-mat data consolidated in a compact field guide. When you work with hazardous materials, comprehensive reliable information is critical to your success and safety. The new NFPA Pocket Guide to Hazardous Materials pulls together the essential requirements, tables, charts, lists, formulas, illustrations, and calculations you need into one handy volume. Complete facts and figures from leading sources bring you the full safety picture. It's an essential resource for fire service, EMS and law enforcement personnel, inspectors from the public and private sectors, industry emergency response teams, and personnel from related agencies such as EPA, DOT, FEMA, and the FBI. This powerful on-the-job tool presents the most crucial data from NFPA codes and standards, plus information from OSHA, the Department of Transportation, National Paint and Coatings Association, and more. Topics covered include: bull; bull; Chemical classification schemes--NFPA, OSHA, DOT placards bull; Health hazards--threshold limit values, permissible exposure limits, conversion factors, atmospheric monitoring bull; Storage quantity requirements--flammable/combustible liquids, oxidizers, organic peroxides bull; Container recognition--labeling systems, how to interpret label information bull; Personal protective equipment-- how to select appropriate PPE, organization by type of material bull; Fire and spill control--which foams to use with which chemicals, dilution rates bull; Emergency response--when to respond and when to evacuate, how to bring dangerous levels back to safe levels Take this convenient and portable reference with you on every job, and give yourself ready access to specialized facts. If your job involves HazMat incident response, prevention, or inspection, this book could save your life, and many others, too.**

# Practical Guide to Industrial Safety Methods for Process Safety Professionals

*CRC Press* A practical guide to industrial safety. It seeks to assist specialists in managing operations in industrial settings, including high-risk personal exposure such as inhalation hazards and direct chemical contact. It covers hazards in the chemical process industries, inhalation hazards in refineries, indoor air quality management, personal protective equipment, process safety emergency preparedness, safety in the laboratory, and more. There are Web site listings, NFPA hazard ratings, and other sources of information.

# First Responder's Field Guide to Hazmat & Terrorism Emergency Response

*eBook Partnership* Have the contents of an entire hazardous materials and WMD first responder course at your fingertips when you need it most ... at an incident. This handy field guide covers most of the operational level first responder competencies identified in NFPA 472 and 473, with guidelines to help you recognize and safely manage any hazmat incident or WMD event. It's the perfect companion to the Emergency Response Guidebook (ERG). The information is organized into fourteen chapters: 1. The "e;Quick Reference Guide"e; contains a concise overview of your responsibilities as a first responder. 2. "e;Recognizing and Responding to a Hazmat/WMD Incident"e; has detailed explanations and guidelines on each of the tasks listed in Chapter 1. 3. "e;Labels, Placards, and Other Marking Systems"e; provides key points on each of the hazard classes and information on various other marking systems. 4. "e;Container Recognition"e; provides clues about the types of products found in various containers and how these containers behave in an emergency. Look at both the general information about the type of container (nonbulk package, cargo tank, rail car, etc.) and specific information about the particular container(s) in question. 5. "e;Assessing the Hazards"e; contains information on how hazardous materials cause harm, toxicological terms and exposure limits, properties of flammable liquids, chemical and physical properties, and guidelines for dealing with special hazmat situations. 6. "e;Medical Management of Hazmat Exposures"e; has information on the risk of

secondary contamination, patient decon, triage, health effects of hazardous materials commonly encountered, EMS treatment protocols, and medical support of hazmat response personnel.7. "e;Introduction to Terrorism"e; provides information on distinguishing a terrorist event from an accident and distinguishing between chemical and biological warfare agents.8. "e;Explosives Incidents"e; has information on how to recognize common explosives and initiation devices and guidelines on what to do upon discovery of a device or after detonation of an explosive.9. "e;Chemical Warfare Agents"e; has general information on how to deal with incidents involving chemical warfare agents, as well as more detailed information on nerve agents, blister agents, blood agents, choking agents, and riot control agents.10. "e;Biological Warfare Agents"e; provides general information on dealing with incidents involving biological warfare agents, as well as more detailed information on specific biological agents.11. "e;Nuclear Events"e; has information on dealing with incidents (intentional or accidental) involving radioactive materials.12. "e;Tactical Considerations"e; provides more information on defensive options and the use of foam.13. "e;Additional Considerations"e; includes guidelines on dealing with the media, minimizing liability, developing protective action messages, preserving evidence, and dealing with children.14. "e;Resources for Information and Assistance"e; provides information on various agencies that can help you manage a hazmat incident or terrorist event. Five previous editions were released in print form. The book was updated for this 2014 eBook edition.

## Illustrated Guide to Home Chemistry Experiments

### All Lab, No Lecture

*"O'Reilly Media, Inc."* For students, DIY hobbyists, and science buffs, who can no longer get real chemistry sets, this one-of-a-kind guide explains how to set up and use a home chemistry lab, with step-by-step instructions for conducting experiments in basic chemistry -- not just to make pretty colors and stinky smells, but to learn how to do real lab work: Purify alcohol by distillation Produce hydrogen and oxygen gas by electrolysis Smelt metallic copper from copper ore you make yourself Analyze the makeup of seawater, bone, and other common substances Synthesize oil of wintergreen from aspirin and rayon fiber from paper Perform forensics tests for fingerprints, blood, drugs, and poisons and much more From the 1930s through the 1970s, chemistry sets were among the most popular Christmas gifts, selling in the millions. But two decades ago, real chemistry sets began to disappear as manufacturers and retailers became concerned about liability. ,em>The Illustrated Guide to Home Chemistry Experiments

steps up to the plate with lessons on how to equip your home chemistry lab, master laboratory skills, and work safely in your lab. The bulk of this book consists of 17 hands-on chapters that include multiple laboratory sessions on the following topics: Separating Mixtures Solubility and Solutions Colligative Properties of Solutions Introduction to Chemical Reactions & Stoichiometry Reduction-Oxidation (Redox) Reactions Acid-Base Chemistry Chemical Kinetics Chemical Equilibrium and Le Chatelier's Principle Gas Chemistry Thermochemistry and Calorimetry Electrochemistry Photochemistry Colloids and Suspensions Qualitative Analysis Quantitative Analysis Synthesis of Useful Compounds Forensic Chemistry With plenty of full-color illustrations and photos, *Illustrated Guide to Home Chemistry Experiments* offers introductory level sessions suitable for a middle school or first-year high school chemistry laboratory course, and more advanced sessions suitable for students who intend to take the College Board Advanced Placement (AP) Chemistry exam. A student who completes all of the laboratories in this book will have done the equivalent of two full years of high school chemistry lab work or a first-year college general chemistry laboratory course. This hands-on introduction to real chemistry -- using real equipment, real chemicals, and real quantitative experiments -- is ideal for the many thousands of young people and adults who want to experience the magic of chemistry.

## NFPA 20 Standard for the Installation of Stationary Pumps for Fire Protection

## Nfpa 58 Liquefied Petroleum Gas Code

## A Guide to Safe Material and Chemical Handling

*John Wiley & Sons* There have been many volumes written that claim to be the most "comprehensive" compendium or handbook on chemical data. These wieldy volumes are often too big and extraneous to be useful to the practicing engineer. This new volume aims to be the most useful "go to" volume for the working engineer, scientist, or chemist who needs quick answers to daily questions about materials or chemicals and doesn't want to go on long searches through voluminous tomes or lengthy internet

searches. Covering only the most commonly used chemicals in the most important processes in industry, **A Guide to Safe Material and Chemical Handling** includes industrial chemicals, such as gases, fuels, and water, which are not incorporated in most "comprehensive" books on materials and chemical properties. Safety plans and procedures that can be implemented by any engineer or plant manager by following the easy, step-by-step instructions in the book are also provided.

## Complete Guide to Laboratory Safety

*HC Pro, Inc.*

## NFPA 30 Flammable and Combustible Liquids Code Fire and Life Safety Inspection Manual

*Jones & Bartlett Learning* **Protect lives and property with state-of-the-art guidance on conducting safe, thorough, accurate inspections! Expanded with updated facts and new chapters! Completely revised and updated to reflect the latest procedures and code requirements, the Fire and Life Safety Inspection Manual is your step-by-step guide through the complete fire inspection process, with special emphasis on life safety considerations. Formerly the NFPA Inspection Manual, it covers the full range of hazards and gives you solid advice on identifying and correcting problems. Easy-to-follow checklists help you remember and record every important detail. Early chapters provide important background information, while the second half presents inspection guidelines for specific fire protection systems and occupancies that are based on the Life Safety Code(R). In addition to discussing fundamentals such as inspection procedures and report writing, this comprehensive manual now includes all-new chapters on Housekeeping and Building Procedures, Water Mist Systems, Day Care Occupancies, Ambulatory Health Care Facilities, and Semi-Conductor Manufacturing. With 150 illustrations, more sample forms, and a larger format, this acclaimed manual is more helpful than ever. Perfect for use in the field, the Manual features a new 8 1/2 x 11 size with full-page checklists at the back of the book linked to individual chapters. Detailed visuals throughout help you understand complicated concepts. Whether you're just starting your career as a fire inspector or ready to brush up on**

the basics, the Fire and Life Safety Inspection Manual has the reliable inspection advice you need.

## HazMat Data

# For First Response, Transportation, Storage, and Security

*John Wiley & Sons* **The HazMat Data, 2nd Edition** provides a detailed reference for emergency responders and people who transport chemicals. Considering the events of September 11, the book is especially oriented toward first responder and emergency management personnel. Additions to this new Second Edition include Spanish language synonyms for all entries, and an increased overall number of synonyms. New to this edition is information on chemical warfare (CW) agents and Weapons of Mass Destruction (WMD)-nerve gasses, blister agents/vesicants, "blood agents," choking/pulmonary agents, and crowd-control agents (tear gasses, pepper sprays, etc.)-that might be used as weapons of terrorism. It clearly explains symptoms of exposure and appropriate treatment for the exposure when available, and describes what to do in an emergency situation. The book also gives the NFPA hazard classifications, as well as chemical hazard class information. Newly updated, *The HazMat Data, 2nd Edition* provides a comprehensive, up-to-date summary of this vital information.

## Inspecting Flammable Liquids

*Jones & Bartlett Learning* **Gain easy access to flammable liquid storage rules!** Extremely dangerous even in small quantities, flammable liquids are the single most common form of hazardous materials found nationwide. Of the many field service advisory calls related to flammable liquids, an estimated 90% concern small container storage. NFPA makes the job easier for fire, building, and insurance inspectors with this first-time Pocket Guide! The NFPA Pocket Guide to Inspecting Flammable Liquids puts the most frequently accessed requirements at your fingertips, from the latest editions of NFPA 1, NFPA 30, NFPA 30A, NFPA 31, and NFPA 37. Each chapter provides code rules, formulas, tables, charts, calculations, and basic safety principles for flammable liquids used in various applications. You'll also reference definitions, inspection tips, and handy checklists.

## Niosh Pocket Guide to Chemical

# Hazards

*www.Militarybookshop.CompanyUK* **The NIOSH Pocket Guide to Chemical Hazards** presents information taken from the NIOSH/OSHA Occupational Health Guidelines for Chemical Hazards, from National Institute for Occupational Safety and Health (NIOSH) criteria documents and Current Intelligence Bulletins, and from recognized references in the fields of industrial hygiene, occupational medicine, toxicology, and analytical chemistry. The information is presented in tabular form to provide a quick, convenient source of information on general industrial hygiene practices. The information in the Pocket Guide includes chemical structures or formulas, identification codes, synonyms, exposure limits, chemical and physical properties, incompatibilities and reactivities, measurement methods, respirator selections, signs and symptoms of exposure, and procedures for emergency treatment.

# Fire Inspector: Principles and Practice

*Jones & Bartlett Publishers* **The Complete Fire Inspector I and II Training Solution!** Fire inspectors need to know how to interpret and apply national and local codes and standards in the office and in the field. **Fire Inspector: Principles and Practice** is designed to prepare fire inspectors to ensure the highest standards of fire and life safety in their communities. The National Fire Protection Association (NFPA) and the International Association of Fire Chiefs (IAFC) are pleased to bring you **Fire Inspector: Principles and Practice**, a modern integrated teaching and learning system for the fire inspector. This textbook meets and exceeds the job performance requirements for level I and II fire inspectors from Chapters 4 and 5 of NFPA 1031, Standard for Professional Qualifications for Fire Inspector and Plan Examiner, 2009 Edition. **Fire Inspector: Principles and Practice** is built on a solid foundation of the basics: building construction, fire growth, and types of occupancies. This fundamental knowledge is presented in a concise, understandable writing style that is easy to digest and recall. The solid foundation of fire and building knowledge then branches out to show the fire inspector how abstract concepts and codes will be concretely applied on a daily basis. This is the text that truly prepares fire inspectors for the real world.

# 2012 Emergency Response

# Guidebook

## A Guidebook for First Responders During the Initial Phase of a Dangerous Goods/hazardous Materials Transportation Incident

*Government Printing Office* **NOTE: NO FURTHER DISCOUNT FOR THIS PRINT PRODUCT- OVERSTOCK SALE -Significantly reduced listprice** The official Emergency Response Guidebook (ERG) is a guide for use by transporters, firefighters, police, and other emergency services personnel who may be the first to arrive at the scene of a transportation incident involving a hazardous material. It is used by first responders in (1) quickly identifying the specific or generic classification of the material(s) involved in the incident, and (2) protecting themselves and the general public during this initial response phase of the incident. The ERG is updated every three to four years to accommodate new products and technology."

## Prudent Practices in the Laboratory Handling and Management of Chemical Hazards, Updated Version

*National Academies Press* **Prudent Practices in the Laboratory--the book that has served for decades as the standard for chemical laboratory safety practice--now features updates and new topics. This revised edition has an expanded chapter on chemical management and delves into new areas, such as nanotechnology, laboratory security, and emergency planning. Developed by experts from academia and industry, with specialties in such areas as chemical sciences, pollution prevention, and laboratory safety, Prudent Practices in the Laboratory provides guidance on planning procedures for the handling, storage, and disposal of chemicals. The book offers prudent practices designed to promote safety and includes practical information on assessing hazards, managing chemicals, disposing of wastes, and more. Prudent Practices in the Laboratory will continue to serve as the leading source of chemical safety guidelines for people working with laboratory chemicals: research chemists, technicians, safety officers, educators, and students.**

# NFPA 33 Standard for Spray Application Using Flammable Or Combustible Materials

## Global Materials Compliance Handbook

*John Wiley & Sons* **Whether a company operates global facilities or just imports/exports goods to the United States, personnel and advisors must understand regulatory requirements. Most companies that ship or receive goods internationally have developed MCS that address regulatory requirements; however, these typically are labor intensive, independent of other company systems, adequately address only their primary location, and are not updated in a timely manner. Supply chain logistics is complicated, and this book details how to avoid security holds on shipments and gives sound advice on how to cope if another "9/11" occurs. The book provides easy to understand guidance to shipping/receiving personnel, safety inspectors, transportation and logistics managers on the movement of hazardous cargo from one location to another ensuring compliance to the maze of regulatory requirements.**

## Chemical Hazard Communication

## Fundamentals of Fire Fighter Skills

*Jones & Bartlett Publishers*

## An Illustrated Guide to Infection Control

*Springer Publishing Company* **"This guide is useful for nursing students as well as those in practice."--Doody's Medical Reviews This all-encompassing volume assists nursing students and beginning-level RNs in developing a practical understanding of infection control issues as they relate to many different areas of health care. The Illustrated Guide to Infection Control covers every infection control topic, from basic hand washing, immunizations, infection control in critical care, infection control in labor and delivery, and medical waste disposal, to methods of surveillance, and**

everything in between-all in one volume. Written by experts in the respective fields, each chapter offers important insights on protecting patients, families, visitors, volunteers, and health care providers from infection. Illustrations are provided to help demonstrate the topics presented, and chapters contain questions and answers with rationales for students to reflect upon. Key features: Eliminates the need for multiple infection control resources by covering all essential topics in one volume Encompasses all of the important infection control topics, from basic issues such as hand washing, to specialty area-specific measures such as prevention measures for critical care nursing Covers multiple clinical areas of expertise, including acute care, dialysis, TB control, physician's offices, and more Includes pre-test and post-test questions for each chapter, with answers provided at the end of the book

## Bancroft's Theory and Practice of Histological Techniques E-Book

*Elsevier Health Sciences* **For 40 years, Bancroft's Theory and Practice of Histological Techniques** has established itself as the standard reference for histotechnologists and laboratory scientists, as well as histopathologists. With coverage of the full range of histological techniques used in medical laboratories and pathology departments, it provides a strong foundation in all aspects of histological technology - from basic methods of section preparation and staining, to advanced diagnostic techniques such as immunocytochemistry and molecular testing. This revised and updated 8th Edition by Kim S. Suvarna, Christopher Layton, and John D. Bancroft is a one-stop reference for all those involved with histological preparations and applications, from student to highly advanced laboratory professional.

## Operating Safely in Hazardous Environments

*Jones & Bartlett Learning* **Operating Safely in Hazardous Environments** covers the necessary concepts, details, and technical information critical to teaching and learning how to work safely. This text is ideal for training and educating populations entering a variety of hazardous environments such as HazMat waste operations, permit required confined spaces, emergency response situations, toxic material work, work at heights, and work within other immediately dangerous or hazardous areas. Students will be informed on common characteristics and operations of these environments (e.g. proper use of a respirator, or use of toxic materials monitoring equipment). **Operating Safely in Hazardous Environments** offers general knowledge for safe and healthy operations, regardless of occupation or

discipline. For the first time, people who work in dangerous or hazardous areas have at their fingertips the appropriate knowledge, exercises, and information for a safe working environment. After all, employees who work in these environments all utilize safety engineering practices, administrative controls, and personal protective equipment to make their work places safe.

## Metallographic and Materialographic Specimen Preparation, Light Microscopy, Image Analysis, and Hardness Testing

*ASTM International*

## Safety Manager's Guide to Fire Protection

*National Fire Protection Association (NFPA)* **Purpose of guide is to furnish basic information on how to reduce fires and fire loss in the workplace. ...**

**"Safety managers" are all those who are responsible for fire safety in their facilities, e.g., facilities managers, building owners and operators, building managers, maintenance personnel, and operating engineers.**

## Community Emergency Response Team Basic Training Instructor Guide

*Government Printing Office* **CERT is a critical program in the effort to engage everyone in America in making their communities safer, more prepared, and more resilient when incidents occur.**

## Hazardous Chemicals Handbook

*Elsevier* **Summarizes core information for quick reference in the workplace, using tables and checklists wherever possible. Essential reading for safety officers, company managers, engineers, transport personnel, waste**

disposal personnel, environmental health officers, trainees on industrial training courses and engineering students. This book provides concise and clear explanation and look-up data on properties, exposure limits, flashpoints, monitoring techniques, personal protection and a host of other parameters and requirements relating to compliance with designated safe practice, control of hazards to people's health and limitation of impact on the environment. The book caters for the multitude of companies, officials and public and private employees who must comply with the regulations governing the use, storage, handling, transport and disposal of hazardous substances. Reference is made throughout to source documents and standards, and a Bibliography provides guidance to sources of wider ranging and more specialized information. Dr Phillip Carson is Safety Liaison and QA Manager at the Unilever Research Laboratory at Port Sunlight. He is a member of the Institution of Occupational Safety and Health, of the Institution of Chemical Engineers' Loss Prevention Panel and of the Chemical Industries Association's 'Exposure Limits Task Force' and 'Health Advisory Group'. Dr Clive Mumford is a Senior Lecturer in Chemical Engineering at the University of Aston and a consultant. He lectures on several courses of the Certificate and Diploma of the National Examining Board in Occupational Safety and Health. [Given 5 star rating] - Occupational Safety & Health, July 1994 - Loss Prevention Bulletin, April 1994 - Journal of Hazardous Materials, November 1994 - Process Safety & Environmental Prot., November 1994

## NFPA 204 Standard for Smoke and Heat Venting

## Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

*United Nations* The Globally Harmonized System of Classification and Labelling of Chemicals (GHS) addresses classification and labelling of chemicals by types of hazards. It provides the basis for worldwide harmonization of rules and regulations on chemicals and aims at enhancing the protection of human health and the environment during their handling, transport and use by ensuring that the information about their physical, health and environmental hazards is available. The sixth revised edition includes, inter alia, a new hazard class for desensitized explosives and a new hazard category for pyrophoric gases; miscellaneous amendments intended to further clarify the criteria for some hazard classes (explosives,

specific target organ toxicity following single exposure, aspiration hazard, and hazardous to the aquatic environment) and to complement the information to be included in section 9 of the Safety Data Sheet; revised and further rationalized precautionary statements; and an example of labelling of a small packaging in Annex 7.

## Forklift Training

*Montana Safety Bureau*

## HESIS Guide to Solvent Safety

## Loss Prevention and Safety Control

## Terms and Definitions

*CRC Press* **An encyclopedic, A-Z listing of terminology, Loss Prevention and Safety Control: Terms and Definitions** addresses the need for a comprehensive reference that provides a complete and sufficient description of the terminology used in the safety/loss prevention field. Fostering clarity in communication among diverse segments within the field and between outside agencies, this book: Provides a reference for the background, meaning, and description of safety and loss prevention terms being used in government, industry, research, and education Contains two-paragraph descriptions of terms, photographs, diagrams, graphs, and tables to aid understanding of the subject, making it more than a dictionary Includes common safety terms, safety engineering aspects, a description of safety organizations, and a list of common safety standards and their scope The field of safety and loss prevention encompasses myriad unrelated industries and organizations, such as insurance companies, research entities, process industries, and educational organizations. These organizations may not realize that their terminology is not understood by individuals or even compatible with the nomenclature used outside their own sphere of influence. And even though fire protection and environmental professionals use identical and similar terminology, their meanings may be slightly different in selected applications. An all-encompassing reference, the book uses OSHA standards and interpretations as guidelines for the definitions and explanations. Drawing from the many areas that influence the terminology, it provides a basic understanding of the terms used in lost prevention and control.

# Health Care Facilities Code Handbook

## Firefighter safety study: review of the adequacy of response information on hazardous materials

FEMA

## Handling Chemicals Safely 1980

**IN 1980 THE DUTCH CHEMICAL INDUSTRY ASSOCIATION AND THE DUTCH SAFETY INSTITUTE IN CONJUNCTION WITH THE DUTCH SAFETY EXPERTS ASSOCIATION PUBLISHED A MANUAL (IN ENGLISH), DESCRIBING THE MOST IMPORTANT PROPERTIES OF 875 CHEMICALS FOR THE BENEFIT OF THOSE INDIVIDUALS WHO COME INTO OCCUPATIONAL CONTACT WITH THEM. THE BOOK PROVIDES DATA ON CHEMICAL AND PHYSICAL PROPERTIES, THE ACGIH-TLV, THE DUTCH MAC-VALUE, THE REACTION TO FIRE, HEALTH HAZARDS, PERSONAL PROTECTIVE DEVICES, FIRST AID, SPILLAGE - CLEANUP PROCEDURES, STORAGE AND PACKAGING/LABELLING GUIDES FOR EACH CHEMICAL OR COMPOUND. OUTLINED IN GREATER DETAIL IN THE INTRODUCTION ARE: 1. FIRST AID IN CHEMICAL ACCIDENTS. 2. PERSONAL PROTECTION AIDS, EG, GLOVES AND RESPIRATORS. 3. HAZARDOUS REACTIONS. 4. LABELLING OF USER PACKAGES IN THE EEC COUNTRIES. 5. UNITED NATIONS REGISTRY NUMBERS. 6. CAS NUMBERS. 7. NFPA CLASSIFICATION NUMBERS. A KEYWORD INDEX FOR EASY REFERENCE IS INCLUDED AT THE CLOSE OF THE VOLUME. AUTHORS ABSTRACT SUMMARIZED.**

## Laboratory Safety for Chemistry Students

*John Wiley & Sons* "...this substantial and engaging text offers a wealth of practical (in every sense of the word) advice...Every undergraduate laboratory, and, ideally, every undergraduate chemist, should have a copy of what is by some distance the best book I have seen on safety in the undergraduate laboratory." *Chemistry World*, March 2011 **Laboratory Safety for Chemistry Students is uniquely designed to accompany students throughout their four-year undergraduate education and beyond,**

progressively teaching them the skills and knowledge they need to learn their science and stay safe while working in any lab. This new principles-based approach treats lab safety as a distinct, essential discipline of chemistry, enabling you to instill and sustain a culture of safety among students. As students progress through the text, they'll learn about laboratory and chemical hazards, about routes of exposure, about ways to manage these hazards, and about handling common laboratory emergencies. Most importantly, they'll learn that it is very possible to safely use hazardous chemicals in the laboratory by applying safety principles that prevent and minimize exposures. Continuously Reinforces and Builds Safety Knowledge and Safety Culture Each of the book's eight chapters is organized into three tiers of sections, with a variety of topics suited to beginning, intermediate, and advanced course levels. This enables your students to gather relevant safety information as they advance in their lab work. In some cases, individual topics are presented more than once, progressively building knowledge with new information that's appropriate at different levels. A Better, Easier Way to Teach and Learn Lab Safety We all know that safety is of the utmost importance; however, instructors continue to struggle with finding ways to incorporate safety into their curricula. *Laboratory Safety for Chemistry Students* is the ideal solution: Each section can be treated as a pre-lab assignment, enabling you to easily incorporate lab safety into all your lab courses without building in additional teaching time. Sections begin with a preview, a quote, and a brief description of a laboratory incident that illustrates the importance of the topic. References at the end of each section guide your students to the latest print and web resources. Students will also find "Chemical Connections" that illustrate how chemical principles apply to laboratory safety and "Special Topics" that amplify certain sections by exploring additional, relevant safety issues. Visit the companion site at <http://userpages.wittenberg.edu/dfinster/LSCS/>.

## NAERG

### Forklift Safety

# A Practical Guide to Preventing Powered Industrial Truck Incidents and Injuries

*Government Institutes* Written for the more than 1.5 million powered industrial truck operators and supervisors in general industry, as well as those in the construction and marine industries, this Second Edition

**provides an updated guide to training operators in safety and complying with OSHA's 1999 forklift standard. This edition of Forklift Safety includes a new chapter devoted to the new OSHA 1910.178 standard and new information regarding dock safety, narrow aisle trucks, off-dock incidents, tip-over safety, pallet safety, and carbon monoxide.**