

The updated standards discussed in this book are the basis for Subsection Q of 29 CFR 1910.120 (Emergency Response to a Hazardous Materials Release). If your company has a Hazardous Materials Response team, this book must be read and followed. This latest edition contains the updated sections referring to the “new” specialist rating (Specialist A, B, C). The newly developed Standard 473, concerning the response of EMS personnel to a release, is covered. This book gives the reader not only the current standard but also insights as to the probable direction of the next changes in the standard.

DAN KERR

Fire Protection Guide to Hazardous Materials, 10th edn., National Fire Protection Association, Quincy, MA, 1991, ISBN 0-87765-366-6, 550 pp., \$69.50.

The latest edition of a chemical reference manual first published by the National Fire Protection Association beginning in 1966. The book combines the text of NFPA Standard 49, “Hazardous Chemicals Data” providing emergency response information on 325 chemicals; NFPA Standard 325M, “Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids”, providing fire hazard properties of over 1300 flammable substances; NFPA Standard 419M, “Manual of Hazardous Chemical Reactions”, referring to over 3550 mixtures of chemicals that can cause serious consequences; NFPA 704, “Recommended System for the Identification of the Fire Hazards of Materials”, the system developed by the National Fire Protection Association to identify Health, Flammability, Reactivity, and general hazards of hazardous materials. The book provides an updated version of its prior nine editions. This book is a handy reference manual used primarily as a resource in the event of an incident involving a hazardous material. The unique function of this particular publication is the availability of several sources of information under the one cover. This book also has a section devoted to the mixture of materials, a topic which has not been dealt with in many publications of this nature.

DAN KERR

Risk Management of Chemicals, by M.L. Richardson (Ed.), The Royal Society of Chemists, Thomas Graham House, Science Park, Cambridge, 1992, ISBN 0-85186-467-8, 392 pp.

This book provides an international approach to a long term risk management system for chemicals. The authors identify five main areas in their presentation: Setting the scene, introduction to the management of risk, managing risk in manufacture, risk management from waste, and managing

risk during chemical use. As was stated earlier in this review, the book uses the international perspective as its base for compliance. At the end of each chapter, the authors supply a complete list of references which will help the reader elect whether the material supplied will be of use and meet the particular legal requirements within the area of operation.

DAN KERR

Chemical Hazards of The Workplace, 3rd edn., by Gloria J. Hathaway, Nick H. Proctor, James P. Hughes and Michael L. Fischman (Eds.), Van Nostrand Reinhold, 115 Fifth Ave., New York, NY 10003, 1991, ISBN 0-442-00455-9, 666 pp., \$79.95.

A reference manual concerning approximately 550 of the most commonly encountered work place chemicals. The authors provide a much welcomed introduction and brief (55 page) introduction into workplace industrial hygiene in terms that the layman can comprehend. The main thrust of the book is to provide brief biographies from a toxicological format, incorporating the latest limits available from the standard producing bodies (OSHA, ANSI, EPA). The book does an excellent job of presenting not only the technical data but also a brief narrative on the material itself, again, in layman's terms. The final section of the book references Chemical Abstract Services (CAS) numbers as well as a cross reference to the chemicals covered in the book. One of the "should be required" publications in any safety professional's library.

DAN KERR

Groundwater, by R. Allan Freeze and John A. Cherry, Prentice-Hall, Inc., Englewood Cliffs, NJ 07632, 1979, ISBN 0-13-365312-9, 604 pp., \$84.00 (plus postage).

Although we recognize water as one of the essentials for life and industry, the importance of groundwater often is overlooked. This volume, *from 1979*, authored by two Canadians (Dr. Freeze is with the Department of Geological Sciences, University of British Columbia, and Dr. Cherry is with the Department of Earth Sciences at the University of Waterloo) begins by highlighting the interdisciplinary study of groundwater, and should interest or be essential to geologists, hydrologists, soil scientists, agricultural engineers, petroleum reservoir analysts, and land-utilization scientists and engineers. Since a surprisingly large number of people still use wells as a source of water for domestic use, the importance to human health can hardly be doubted.