



## ***Hazardous Materials Incidents***

Second Edition

**Author:** Christopher Hawley

**ISBN #:** 1401857582

©2004 Publish Date: 12/31/2003

**Binding:** softcover

**Pages:** 288

**Publisher:** Thomson Delmar Learning

### **Description:**

Designed for all first responders who encounter hazardous materials emergencies, this reader-friendly training guide not only covers all of the competencies in the 2002 Edition of Standard NFPA 472 at the awareness operations level, but also offers beneficial information on air monitoring, terrorism, and special operations issues! Marked by its risk-based response philosophy, *Hazardous Materials Incidents, 2E* focuses on the safest and most efficient method for handling hazardous materials incidents. Readers are provided real-life experiences through case studies that integrate theoretical strategies with authentic HazMat situations, reinforcing the lessons covered. All-inclusive coverage features a special chapter on the interactions between law enforcement, firefighters and EMS personnel to effectively respond to hazardous materials events.

### **Product Benefits:**

- conforms to the 2002 Edition of the National Fire Protection Association (NFPA) 472 and current Occupational Safety and Health Association (OSHA) standards and includes a NFPS Correlation Grid at the front of the book which outline where content is covered
- a thoroughly revised chapter on terrorism reflects recent events and emphasizes the increased awareness of terrorist activities
- new, up-to-date information explores Boiling Liquid Expanding Vapor Explosion (BLEVE)
- complicated technical information is provided in a user-friendly, easy-to-digest format
- content is suitable for fire service, law enforcement, disaster management and terrorism training courses, as well as HazMat courses at the awareness and operations training levels
- new, supplemental e.resource™ features an Instructor's Guide, with lecture outline and answers to review questions, as well as PowerPoint™ presentations, a computerized test bank, Image Library and NFPA Standard 472 Correlation Grid to help training officers and busy instructors design training programs and test learner competencies

### **Table of Contents:**

Hazardous Materials: Laws, Regulations, and Standards. Recognition and Identification. Information Resources. Protection. Protective Actions. Product Control and Air Monitoring. Terrorism Awareness. HazMat and Law Enforcement.

Community Challenge: Hazardous Materials Response and the Emergency Medical System is a training video for Volumes I & II. It is 50 minutes long; 25 minutes for each volume. It is not currently available on our web site, but may be obtained by healthcare professionals in CD-ROM format by contacting ATSDR. Top of Page. Reference. Managing Hazardous Material Incidents (MHMI). Volumes 1, 2 , and 3. Agency for Toxic Substances and Disease Registry (ATSDR). Ensure that hazardous materials and hazardous waste are properly marked, stored, and removed from the property in an expedient manner. 7. Shelter in Place and Lockdown Incidents: Hazardous material (HAZMAT) events, such as a chemical spill, or acts of armed violence, may result in the need to shelter or lock down personnel inside a facility for their own protection. The professional protection officer must be familiar with his or her organization's shelter in place procedures, and lockdown/active shooter protocols. Hazardous Materials Incidents. A chemical emergency occurs when a hazardous chemical has been released and the release has the potential for harming people's health. Chemical releases can be unintentional, as in the case of an industrial accident, or intentional, as in the case of a terrorist attack. Where Hazardous Chemicals Come From. Some chemicals that are hazardous have been developed by military organizations for use in warfare.