

HAZCHEM UNSTABLE, REACTIVE & UNKNOWN MATERIAL ONLINE COURSE



HAZ-MATTERS
EMERGENCY MANAGEMENT INC.

**40 CFR Part 239-282, Resource Conservation & Recovery Act, RCRA
Canadian Environmental Protection Act, CEPA 1999
NFPA 472 CH (4)(5)(6)(7)(8)
29CFR1910.120 (e) (q)**



Why Choose HAZ-MATTERS?



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Our HAZCHEM Unstable, Reactive and Unknown Materials online course is an in-depth course designed specifically to improve employee hazard understanding of hazardous waste materials and associated bi-products, while providing industry accepted standards for the categorization, handling, and packaging of waste materials in any chemical integrated setting. The course is designed for all employees who work with hazardous materials and dangerous goods on a regular basis, as well as employees, supervisors, and purchasers who are responsible for the handling and disposal of hazardous waste in a compliant and responsible manner.

The course is based on several models for chemistry, hazardous waste site management, safety practices and emergency response. The course involves an in-depth review of fundamental chemistry, HazMat classification from several perspectives, toxicology, chemical exposure and hazardous waste management. The purpose of this course is to ensure *real-life and industry-based* hazardous technician techniques to employees who deal with on-going chemical hazards and HazMat disposal issues on work sites.

The objective of the course is to provide well defined methods and protocols to ensure that personnel operate in the safest possible manner within a well- defined framework that is internationally recognized and adopted. Simultaneously, participants will thoroughly learn and understand the classification techniques and packaging methods used within the hazardous waste management industry to provide a means of economic and safe processing of chemical waste.

HAZ-MATTERS prides ourselves on our reputation for providing clear understanding to complex and technical information for all levels of experience. It is the cornerstone of our service and continues to always be our primary goal.

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HAZ-MATTERS doesn't believe that exams and a certificate is what makes the difference to a person – what makes a difference is having the tools that will help you for the rest of your career. In fact, we believe that memory creates mistakes so we help you learn to use the working tools at hand so that you don't have to remember very much at all.

We still provide you with some open book tests as we go to challenge you as well as a final certificate, but most importantly we provide you with the tools to be able to always start with what we call our Number 1 Rule:

"IF YOU DON'T KNOW WHAT YOU'RE GETTING INTO, HOW CAN YOU POSSIBLY KNOW HOW TO GET OUT?"

So we focus on:

- ◇ What Hazardous Materials are, how we classify them, what we need to think about in order to approach them
- ◇ Chemistry Fundamentals that all HazMat personnel need to know
- ◇ HAZCHEM Categorization and Classification
- ◇ Compatible and Incompatible Chemical Storage and Packaging
- ◇ Unknown Sampling Techniques and Identification
- ◇ LAB PACKING Essentials
- ◇ Routes of exposure and the human response associated with each
- ◇ Spill Control and Hazardous Waste Disposal Management

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- ◇ Chemistry Fundamentals
- ◇ Terminology
- ◇ Hazardous Materials Classification and Markings
 - ◇ TDG
 - ◇ NFPA 704
 - ◇ Military Markings
 - ◇ Biohazardous Materials
 - ◇ CBRNe
 - ◇ Workplace Hazardous Materials Information System, WHMIS 1988
 - ◇ Global Harmonization System Identification, GHS – HPR 2015
- ◇ Chemical Exposure
- ◇ Air Monitoring

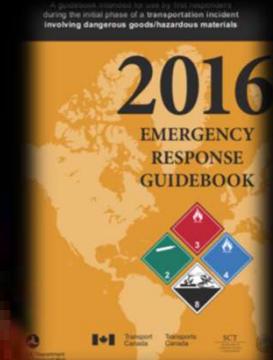
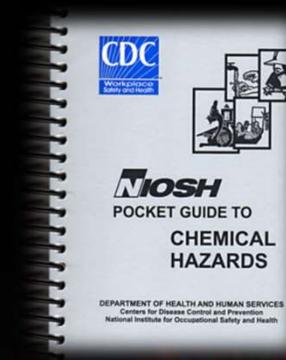
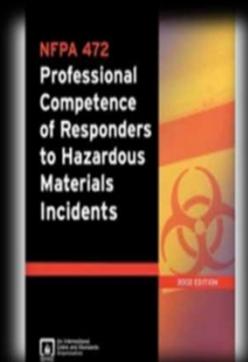
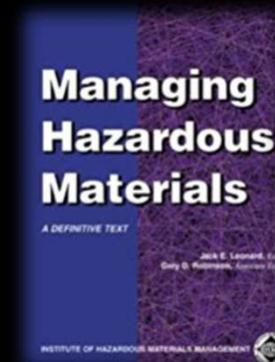
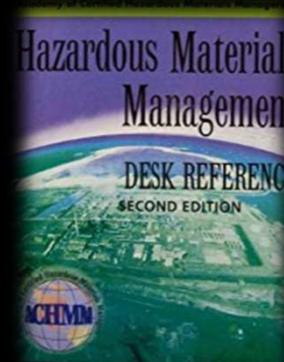


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- ◇ **Fire and Explosion Chemistry**
- ◇ **Ionizing Radiation**
- ◇ **Radiation Monitoring Equipment**
- ◇ **Toxicology**
- ◇ **Reactive and Unstable Chemicals**
 - ◇ **IRCT Model**
 - ◇ **WHIPS Model**
- ◇ **Hazardous Waste Management**
 - ◇ **Lab Pack Categorization and Protocols**
 - ◇ **Bonding and Grounding**
 - ◇ **Flammable Liquid Transfer**
- ◇ **Personal Protective Equipment**

