

**HAZARDOUS MATERIALS CHEMISTRY
FOR UNKNOWN, REACTIVE & UNSTABLE COMPOUNDS**

HAZCHEM 16 HOUR COURSE

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



HAZ-MATTERS
EMERGENCY MANAGEMENT INC.



Why Choose HAZ-MATTERS?



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Hazardous Materials Chemical Handling and Safety, HAZCHEM, is a 2-day 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 hazardous waste site management, safety practices and emergency operations and response, and thoroughly reflects Canadian standards and laws. The purpose of this course is to ensure *real-life and industry based* hazard awareness and operational 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
- ◇ HazMat Regulations – CEPA, TDG, NIOSH, NFPA
- ◇ HazMat Chemistry 101
- ◇ 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

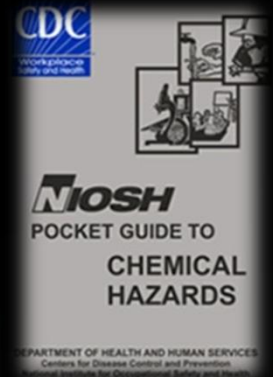
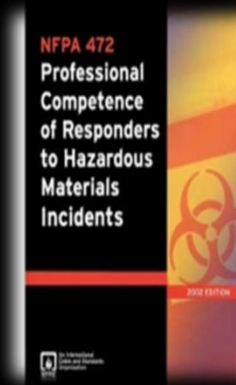
DAY 1 AGENDA



HAZ-MATTERS
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HAZWOPER/HAZCHEM AWARENESS TRAINING

- ◇ Transportation of Dangerous Goods Hazardous Materials Classes
- ◇ Workplace Hazardous Materials Information System, WHMIS
- ◇ Global Harmonization System Identification, GHS
- ◇ NIOSH Pocket Guide
- ◇ Chemical Exposure
- ◇ Reactive and Unstable Chemicals
- ◇ NFPA 472 Hazard and Risk Assessment
- ◇ Personal Protective Equipment, PPE
- ◇ Self Contained Breathing Apparatus
- ◇ Air Purifying Respirators
- ◇ Respirator Fit Testing
- ◇ Chemical Protective Clothing



DAY 2 AGENDA



HAZ-MATTERS
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HAZWOPER/HAZCHEM AWARENESS TRAINING

- ◇ HAZMAT Chemistry 101
- ◇ HAZCHEM Chemical Classification
- ◇ Compatibilities
- ◇ Unknown Identification Basics
- ◇ Household Waste and Pharmaceuticals
- ◇ Regulated Pharmaceuticals and Narcotics
- ◇ Lab Packing Categorization and Essentials
- ◇ Spill Control and Mitigation
- ◇ Hazardous Waste Disposal Essentials

