

# CHEMICAL HANDLING AND SAFETY PRACTICES



## OUR ACCREDITATION & PARTNERS



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## OVERALL DESCRIPTION:

True operational excellence is built on a foundation of confidence and competence. In any environment where chemicals are present, this foundation is paramount. A team that is uncertain about chemical handling is a team operating below its potential, burdened by risk and hesitation. This program is designed to liberate your workforce from that uncertainty. We don't just teach compliance; we provide the knowledge, practical skills, and unwavering confidence needed to handle chemicals safely and efficiently. By investing in this training, you're not just preventing accidents—you're cultivating a proactive, resilient, and highly capable team that can focus on innovation and performance, knowing they are fully prepared for every eventuality. This is the strategic shift from reacting to risk to owning your safety culture.

## Course Objectives:

**Upon completion of this course, participants will have the knowledge and skills to:**

- Identify and interpret all relevant local, national, and international chemical safety regulations.
- Conduct thorough chemical risk assessments to proactively identify potential hazards and implement effective control measures.
- Apply best-practice principles for the safe storage, segregation, and handling of various chemical classifications.
- Select and correctly utilize appropriate personal protective equipment (PPE) for specific chemical-handling tasks.
- Develop and execute effective emergency response procedures for chemical spills, leaks, and other incidents.

## Course Outline:

- **The Regulatory Landscape:** A deep dive into legal frameworks (e.g., OSHA, GHS) and their direct impact on operational procedures.
- **Hazard Identification & Risk Assessment:** Practical methods for analyzing Safety Data Sheets (SDS), recognizing hazard symbols, and creating a robust risk mitigation strategy.



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## Course Outline:

- **Best Practices in Handling & Storage:** Hands-on training on proper labeling, container management, and the principles of chemical segregation to prevent dangerous reactions.
- **Personal Protective Equipment (PPE):** A practical guide to selecting, inspecting, and maintaining PPE, including gloves, respirators, and eye protection.
- **Emergency Preparedness & Spill Response:** Step-by-step instruction on developing an emergency plan and safely managing chemical spills using specialized kits and procedures.

## WHO SHOULD ATTEND?

This course is essential for a wide range of professionals who are directly or indirectly involved with chemical substances, including:

- Operations and Production Managers
- Facility and Maintenance Personnel
- Health and Safety Officers
- Logistics and Warehouse Staff
- Engineers and Technicians
- Any employee responsible for the storage, use, or disposal of chemicals.

## Course Methodology:

We utilize a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This training course will be conducted as a highly interactive workshop session. A variety of training methodologies will be used Before and during the course whenever applicable. Some of these methods are gamification, online pre-post test, role plays, self-assessment instruments, group exercises & case studies.

