

CHEMICAL RISK ASSESSMENT



OUR ACCREDITATION & PARTNERS



CHEMICAL RISK ASSESSMENT



OVERALL DESCRIPTION:

This course is designed for forward-thinking professionals who understand that a robust safety framework is a direct driver of business continuity, reputation, and profitability. We will move beyond traditional hazard identification to provide a holistic, proactive methodology for assessing and mitigating chemical risks. By integrating practical, hands-on techniques with a strategic mindset, this program will equip you with the skills to not only meet regulatory requirements but also to create a world-class safety culture that protects your most valuable assets: your people and your organization's future.

Course Objectives:

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

- **Understand and apply key regulatory frameworks** governing chemical safety to ensure full compliance.
- **Systematically conduct a chemical risk assessment**, from initial hazard identification to final risk evaluation.
- **Implement effective control measures** using the Hierarchy of Controls to minimize worker exposure.
- **Develop a proactive safety culture** that encourages continuous improvement and employee participation.
- **Accurately document and communicate** risk assessment findings to all relevant stakeholders.

Course Outline:

- **Foundations of Chemical Risk Management**
 - The business case for proactive chemical risk assessment.
 - Understanding the difference between chemical hazards and risks.
 - Navigating global and local regulatory standards (e.g., COSHH, OSHA).



CHEMICAL RISK ASSESSMENT



Course Outline:

- **The Step-by-Step Risk Assessment Process**
 - **Phase 1: Hazard Identification** - Using Safety Data Sheets (SDS) and other resources to identify chemical properties.
 - **Phase 2: Exposure Assessment** - Analyzing how workers might be exposed to chemicals and through which pathways.
 - **Phase 3: Risk Evaluation** - Determining the level of risk based on the severity of the hazard and the likelihood of exposure.
- **Implementing and Monitoring Risk Control**
 - Applying the **Hierarchy of Controls**: a practical guide to elimination, substitution, engineering controls, administrative controls, and PPE.
 - Developing and implementing robust control measures tailored to your workplace.
 - Establishing a process for routine monitoring and review of assessments.
- **Communicating and Maintaining a Safety Culture**
 - Effectively communicating chemical risks to the workforce.
 - Training and competence management for employees.
 - Integrating chemical risk management into your overall business strategy.

WHO SHOULD ATTEND?

This course is tailored for professionals and managers responsible for health, safety, and operations, including:

- Health & Safety Managers and Officers
- Line Managers and Supervisors
- Environmental, Health & Safety (EHS) Professionals
- Facility and Operations Managers
- Engineers and Technicians
- Anyone involved in the handling, storage, or use 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.

