

# **CHEMICAL SPILLS, SAFETY PRECAUTIONS & RESPONSE ACTION**



**HSE145**

**Health, Safety &  
Environmental**

**COURSE TITLE**

**CHEMICAL SPILLS, SAFETY PRECAUTIONS & RESPONSE ACTION**

**COURSE DATE/ VENUE**

02– 06 August 2021

London, UK

**COURSE REFERENCE**

HSE145

**COURSE DURATION**

05 Days

**DISCIPLINE**

Health, Safety & Environmental

**COURSE INTRODUCTION**

The focus of this course is to enable delegates to recognize the risks associated with a release of hazardous materials, provide you with the basic procedures for preventing such releases and to enable you to know about incident and emergency plans, and understand the correct actions for responding to accidental releases or spills of hazardous materials. When used properly chemicals are an integral and beneficial part of modern life, but when operational faults arise, or equipment failures occur, we may be faced with a chemical spill. Many of the chemicals we encounter can cause serious harm and environmental damage. In some cases, exposure to them can be fatal. Chemical spill awareness is therefore essential in the work place and this course reinforces that the best way to avoid chemical spills is to prevent them occurring.

This course will feature:

- Understanding hazards of chemicals

- Basic information on acting safely when chemical releases & potential releases require appropriate action
- How to control a spill using a spill kit
- Selecting personal protective clothing and other response equipment.
- Incident Response Plans

## **COURSE OBJECTIVE**

### **Upon successful completion of this course, the delegates will be able to:**

- ✓ Describe the basic terms associated with chemical releases & explain the terms “containment” & “confinement”.
- ✓ Recognize where spills are likely to occur & develop work practices that can prevent spills from occurring.
- ✓ Define the goals of spill control
- ✓ Identify procedures & actions to take when discovering or responding to a spill of hazardous materials or waste.
- ✓ Describe the roles and responsibilities of personnel in incidents and emergency situations.

## **COURSE AUDIENCE**

This course is for professionals who use chemicals, produce chemicals, come into contact with chemicals, or sell chemicals as part of their daily working life all need to be aware of the correct safe procedure to react to a chemical spill effectively and will all benefit from this course.

This course is suitable to a wide range of professionals but will greatly benefit:

- Plant/Operations Personnel & Managers, Shift Supervisors & Shift Team Leaders
- Laboratory Personnel
- Emergency Incident Wardens
- Those who may be required to respond to workplace incidents of a possible or actual release of a chemical

## **COURSE CONTENT**

### **Day One: Hazardous Chemicals**

- Intro
- Hazardous materials
- Identification of hazards
- Examples of Different sorts of spills

### **Day Two: Spill Prevention and Control**

- Work practices that can prevent spills from occurring
- Incidents and types of emergency situations.
- The goals of spill control
- Responder's safety
- Spill Response and Clean-up Procedures
- Personal Protective Equipment (PPE)

### **Day Three: Developing a Spill Response Plan**

- Material Safety Data Sheet
- Risk Assessment
- On-site Emergency Plans
- Training, Exercises & Drills
- Roles and responsibilities of personnel
- Off-site Emergency Plans

### **Day Four: Evacuation, spill control materials and kit**

- Identify additional resources for information on spill response procedures.
- Evacuation
- Missing Persons
- Environmental philosophy,
- Incident reporting & Communication
- Recommended Spill Control Materials Inventory & Locations

### **Day Five: Clean-up & First Aid**

- Classic case studies
- Specific Procedures
- Doing it wrong/doing it right
- Bioremediation
- First Aid

- Course Review

### **COURSE CERTIFICATE**

**TRAINIT ACADEMY** will award an internationally recognized certificate(s) for each delegate on completion of training.

### **COURSE FEES**

\$6,150 per Delegate. This rate includes participant's manual, Hand-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

### **COURSE METHODOLOGY**

The training course will be highly participatory and the course leader will present, guide and facilitate learning, using a range of methods including formal presentation, discussions, sector-specific case studies and exercises. Above all, the course leader will make extensive use of real-life case examples in which he has been personally involved. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Case studies & Practical Exercises
- 10% Role Play
- 10% Videos, Software or Simulators (as applicable) & General Discussions