



SAFETY IN THE USE OF CHEMICALS TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

Level 8, MCT Tower, Sky Park, One City, Jalan USJ 25/1, 47650 Subang Jaya, Selangor

Course Title: Safety in the Use of Chemicals Training

Course Validity: 2 Days

Validity: Not Applicable

HRD Corp Scheme: Claimable

INTRODUCTION:

This training equips participants with essential knowledge on the safe handling, storage, use and disposal of chemicals in the workplace. It covers the legal requirements under the Occupational Safety and Health regulations, hazard communication, risk assessment, emergency preparedness and exposure control measures. Participants will learn how to identify chemical hazards, interpret Safety Data Sheets (SDS), implement safe work procedures and prevent incidents involving hazardous chemicals to ensure workplace health and safety.

OBJECTIVE(S):

- Understand chemical hazards and their impacts on health and safety
- Learn regulatory requirements for chemical safety and compliance
- Strengthen competency in interpreting labels, SDS and hazard communication
- Improve skills in safe handling, storage, usage and disposal of chemicals
- Enhance capability in conducting chemical risk assessments (including CHRA concepts)
- Strengthen emergency response readiness for chemical spills & exposures
- Support implementation of chemical safety procedures and controls
- Promote a safe work culture in managing hazardous chemicals

TARGET GROUP(S):

- Safety & health officers, EHS personnel & chemical handlers
- Supervisors, operators & laboratory staff
- Maintenance, engineering & warehouse teams
- Organisations managing, storing or using hazardous chemicals

ENTRY REQUIREMENT(S):

- Able to read, write and communicate in Malay/English

TOPIC(S):

1. Introduction to Chemical Safety & Hazardous Substances
2. Legal Requirements Under OSHA, CLASS & USECHH Regulations
3. Chemical Hazard Identification, Classification & Labelling
4. Understanding & Using Safety Data Sheets (SDS)
5. Safe Handling, Storage, Usage & Disposal Procedures
6. Chemical Risk Assessment (CRA) Elements & Exposure Controls
7. Emergency Response to Chemical Spills & Accidental Releases
8. Developing Chemical Safety Procedures & Best Practices

LIST OF REFERENCE BOOK(S):

- Occupational Safety and Health Act 1994
- CLASS Regulations & USECHH Regulations
- Safety Data Sheet (SDS) Reference Materials
- Chemical Safety Management & Emergency Response Guidelines

LIST OF TEACHING AID(S):

- LCD projector
- Computer
- Whiteboard with accessories

METHODOLOGY(S):

- Lecture
- Case studies
- Group discussions
- Chemical hazard identification exercises
- Emergency response simulation workshops

TRAINING SCHEDULE

Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration and Introduction
9:00 am – 9:45 am	Topic 1: Introduction to Chemical Safety & Hazards
9:45 am – 10:30 am	Topic 2: Legal Requirements – OSHA, CLASS & USECHH
10:30 am – 10:45 am	Morning Tea Break
10:45 am – 11:30 am	Topic 3: Hazard Identification, Classification & Labels
11:30 am – 12:30 pm	Topic 4: Understanding & Interpreting SDS
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 2:30 pm	Case Study: Chemical Hazard Scenarios
2:30 pm – 3:30 pm	Workshop: Label Reading & SDS Analysis
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Practical Exercise: Chemical Hazard Identification

TRAINING SCHEDULE

Day 2

Time	Activity / Topic
8:30 am – 9:00 am	Recap of Day 1 & Q&A
9:00 am – 9:45 am	Topic 5: Safe Handling, Storage & Disposal Procedures
9:45 am – 10:30 am	Topic 6: Chemical Risk Assessment (CRA) & Controls
10:30 am – 10:45 am	Morning Tea Break
10:45 am – 11:30 am	Topic 7: Emergency Response to Spills & Exposures
11:30 am – 12:30 pm	Practical: Spill Response Equipment & Procedures
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 2:30 pm	Topic 8: Developing Chemical Safety Procedures
2:30 pm – 3:30 pm	Group Exercise: Chemical Safety Improvement Plan
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Final Review, Q&A & Closing