



FUNDAMENTAL OF CLASSIFICATION, LABELLING AND SAFETY DATA SHEET OF HAZARDOUS 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: Fundamental of Classification, Labelling and Safety Data Sheet of Hazardous Chemicals Training

Course Validity: 2 Days

Validity: 3 Years

HRD Corp Scheme: Claimable

INTRODUCTION:

This programme provides a comprehensive understanding of chemical classification, labelling, hazard communication and the structure of Safety Data Sheets (SDS) based on GHS requirements and Malaysian regulations (USECHH 2000, CLASS Regulations 2013). Participants will learn how to classify hazardous chemicals, interpret labels, understand SDS sections, and ensure proper communication of chemical hazards at the workplace.

OBJECTIVE(S):

- Understand the principles of chemical hazard classification based on GHS.
- Interpret and apply hazard pictograms, signal words and hazard statements.
- Read and analyse SDS sections according to regulatory requirements.
- Apply CLASS Regulations and USECHH requirements to workplace compliance.
- Strengthen chemical safety and hazard communication systems.
- Support CHRA, HIRARC and chemical inventory development.

TARGET GROUP(S):

- OSH Practitioners / SHO / SSS
- Chemical handlers & store personnel
- Supervisors & line leaders
- Laboratory personnel
- Maintenance & engineering staff
- ERT members
- Any employee exposed to hazardous chemicals

ENTRY REQUIREMENT(S):

- Able to read and understand Malay/English
- Basic safety knowledge recommended

TOPIC(S):

1. Introduction to Chemical Hazard Classification
2. Legal Requirements (CLASS 2013, USECHH 2000, OSHA)
3. Hazard Pictograms & Communication Elements
4. Labelling Requirements for Hazardous Chemicals
5. Safety Data Sheet (SDS) Structure & Interpretation
6. Chemical Classification (Physical, Health, Environmental)
7. Chemical Inventory & Documentation
8. Risk Control Measures & PPE
9. Emergency Response for Chemical Incidents
10. Case Studies & SDS Practical Exercises

LIST OF REFERENCE BOOK(S):

- CLASS Regulations 2013
- USECHH Regulations 2000
- ICOP CHRA
- ICOP for Hazard Classification
- GHS Purple Book
- ISO 45001 (Chemical Hazard Controls)

LIST OF TEACHING AID(S):

- LCD projector
- SDS samples
- Chemical labels & pictograms
- PPE sets
- Flip chart / whiteboard

METHODOLOGY(S):

- Lecture
- Demonstration
- Case studies
- Group exercises
- Practical SDS interpretation

TRAINING SCHEDULE

Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration & Introduction
9:00 am – 10:15 am	Topic 1: Introduction to Chemical Hazard Classification
10:15 am – 10:30 am	Morning Tea Break
10:30 am – 12:30 pm	Topic 2: Legal Requirements & Standards
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	Topic 3: Hazard Pictograms & Hazard Communication
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Topic 4: Label Requirements & Workplace Labelling

Day 2

Time	Activity / Topic
8:30 am – 9:00 am	Recap of Day 1
9:00 am – 10:15 am	Topic 5: Safety Data Sheets (SDS) – Structure & Interpretation
10:15 am – 10:30 am	Morning Tea Break
10:30 am – 12:30 pm	Topic 6: Chemical Classification Process
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	Topic 7: Chemical Inventory & Risk Controls
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Topic 8–10: Emergency Response, Case Studies & SDS Practical Exercise