



COURSE TITLE : Safety in The Use of Chemical
COURSE DURATION : 2-day(s) / 13.00-hour(s) **COURSE CODE** : STUC
COURSE CATEGORY : Non-Competency **COURSE LEVEL** : Basic
HRD CORP SCHEME : Claimable
COURSE FEE : RM864.00 (inclusive of 8% SST)

1. OBJECTIVE(S):

At the end of the course, the participant will be able to:

- i. Explain regulation related to safe use of chemical.
- ii. Explain the basic concept of chemical management.
- iii. Describe the hazard communication elements.
- iv. Identify chemical hazard at workplace.
- v. Identify steps to control hazardous chemicals.

2. TARGET GROUP(S):

- i. Managers/ Executives.
- ii. Safety and Health Officers.
- iii. Safety and Health Committee members.
- iv. Supervisors and all levels of workers.
- v. Supplier of chemicals.

3. ENTRY REQUIREMENT(S):

- i. None.

4. TOPIC(S):

- i. Chemical Management & Cradle to Grave Concept.
- ii. Health Effect and Toxicology of Chemical.
- iii. Control Measure and Personal Protective Equipment (PPE).
- iv. Fire, Explosion and Control.
- v. Emergency and Preparedness.
- vi. Legal Requirements on Chemical (USECHH 2000 and CLASS 2013).
- vii. Hazard Communication.



5. LIST OF REFERENCE BOOK(S):



- i. Occupational Safety and Health Act 1994.
- ii. OHSAS 18001:2007.
- iii. MS 1722:2011.
- iv. Chemical Safety Board (CSB).
- v. Guidelines for Hazard Identification, Risk Assessment and Risk Control (HIRARC), 2008.

6. LIST OF TEACHING AID(S):

- i. LCD projector.
- ii. Computer.
- iii. White board with accessories.
- iv. Flip chart with accessories.

7. LIST OF CLASSROOM ACTIVITIES:

- i. Lecture.
- ii. Discussion.

 	NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH		
	COURSE SCHEDULE		
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COURSE TITLE: SAFETY IN THE USE OF CHEMICAL

DAY ONE

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0815 – 0830	0.25	Registration	NIOSH
0830 - 0900	0.50	Introduction to the Course	NIOSH
0900 - 1030	1.50	1.1 Chemical Management & Cradle to Grave Concept	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1145	1.00	1.2 Health Effect and Toxicology of Chemical	
1145 - 1300	1.25	1.3 Control Measure and Personal Protective Equipment (PPE)	
1300 - 1400	1.00	LUNCH	
1400 - 1530	1.50	1.4 Fire, Explosion and Control	
1530 - 1545	0.25	AFTERNOON TEA BREAK	
1545 – 1715	1.50	1.5 Emergency and Preparedness	
	6.75	END OF DAY ONE	

DAY TWO

TIME	HOUR	TOPIC	TRAINER / FACILITATOR
0900 - 1030	1.50	2.1 Legal Requirements on Chemical (USECHH 2000 and CLASS 2013)	
1030 - 1045	0.25	MORNING TEA BREAK	
1045 - 1215	1.50	2.2 Hazard Communication (Safety Data Sheet (SDS) and Labelling)	
1215 - 1300	0.75	Classroom Exercise	
1300 - 1400	1.00	LUNCH	
1400 – 1500	1.00	Checklist/ Risk Mapping Exercise	
1500 – 1515	0.25	AFTERNOON TEA BREAK	
1515 - 1545	0.50	Preparation for Presentation	
1545 - 1645	1.00	Presentation	
1645 - 1700	0.25	Evaluation/ Closing	NIOSH
	6.25	END OF THE COURSE	