

Safe Handling, Storage and Labeling Of Hazardous Chemicals and Dangerous Goods

What is the risk of a fire emergency?

Interested to learn the latest updates on safe handling, storage and hazardous chemicals and dangerous goods?

Introduction

A great deal of attention has been focused on the health effects of chemicals in recent years. Many chemicals which were regarded as safe many years ago have been linked with illnesses to more chronic and fatal cancers. Although much has been learned about chemical toxicity from studying disease and laboratory studies there are far too many chemicals used in commerce today whose harmful effects are unknown. It is therefore important to treat all chemicals with care, including those harmful effects known, to avoid future consequences. This course will explain elaborately on the Safety and Health Act 1994 USECHH 2000 Regulation (Use and Standard of Exposure of Chemicals Hazardous to Health) in the warehouse premises. In order to successfully implement a safe working environment, employees must be equipped with the knowledge and techniques to eliminate accidents and illnesses. They should adopt safe work practices on industrial chemical handling, storage and disposal to prevent accidents

The course is designed to equip participants with the necessary understanding and knowledge needed to inculcate safe work practices in handling chemicals and also the chemical spill accident or leakage associated within your workplace. The aim of the training is to ensure that the ESH Committee,, EMS Committee, ERT Teams, supervisors and employees have a safe skill and awareness of chemical handling and accidents related with chemicals.

Program Objectives

This training aims to:

- To Understand Chemicals Hazardous To Health
- To Understand Hazardous Chemicals /Dangerous Good Regulation
- To Understand I Safety Data Sheet
- To Identify chemical hazards and unsafe work practices and take corrective actions
- To Take appropriate preventive measures to control risk

Learning Outcomes

At the end of this training, participants should be able to:

- To Understand the type of chemical spill kit
- To Understand the correct used of personal protective equipment
- To Understand the used of respirator
- To Understand the practical of containing chemical spill

Who Should Attend?

Engineers, Supervisors, Line Leaders and any relevant personnel of your workplace who are responsible for the Chemical Safety Management and continuous implementation of an environmentally safe and sound work environment through their daily operation.

Methodology

Case studies, forum discussion, role-play, presentations, gamification

Course Outline

Time	Day 1
9.00am-11.00am	Module 1: Hazardous Chemicals /Dangerous Good Regulation – International & Malaysian Legislation <ul style="list-style-type: none"> ● Introduction to Dangerous Goods, Hazardous Material and Hazardous Chemicals ● International Hazardous Chemicals /Dangerous Good Legislation – IATA, IMDG, ADR & DGR
11.00am-11.15am	Break
11.15am-1.00pm	Module 1: <ul style="list-style-type: none"> ● Local Legislation Comparison with OSHA 1994 ,CIMAH 1997 , USECHH 2000, CLASS 2013, The Road Transport (Construction and Use) (Dangerous Goods Vehicle) Rules 2015, Scheduled Waste Regulation 2005 ● Legal register & status of compliance
1.00pm-2.00pm	Lunch
2.00pm-3.30pm	Module 2: <ul style="list-style-type: none"> ● Safety Data Sheet ● Know you chemical via SDS ● Hand on Understanding SDS in the client directory ● Compatibility material and it risk ● Response on emergency via SDS details
3.15pm-3.45pm	Break
3.45pm-5.00pm	Module 3: <ul style="list-style-type: none"> ● Chemical Risk Assessment Technique ● Know your hazard based on SDS ● Hazard Identification Risk Assessment ● Determine Control (HIRADC) & Aspect Impact by company procedure ● Chemical Hazard Risk Assessment (CHRA) ● Guidelines related with DG & Hazardous Chemical from DOSH & DOE ● Labelling & Placarding

Time	Day 2
9.00am-11.00am	Module 4: Dangerous Goods /Hazardous Chemicals Warehouse Safety Management <ul style="list-style-type: none"> ● Typical content of the warehouse. ● Activity and content generating hazards ● The dangerous goods: Categories of goods storage per safety index code. ● Special storage management. ● Racking system and integrity, Racking compliance, Safe racking practice. ● Pallet stacking management, Pallet integrity. ● Signage and label, Packing and repacking activities.
11.00am-11.15am	Break
11.15am-1.00pm	Module 5: Transportation of Hazardous Chemicals /Dangerous Goods, TDG <ul style="list-style-type: none"> ● Classify dangerous goods and identify Proper Shipping Names of dangerous goods ● Pack dangerous goods & Mark, label and placard dangerous goods ● Load/Unload cargo transport units ,prepare transport documents for dangerous goods ● Offer & Accept dangerous goods for transport & Accept dangerous goods for transport ● Handle dangerous goods in transport & Prepare dangerous goods loading/stowage plans ● Load / Unload dangerous goods into / from ships & Carry dangerous goods in transport
1.00pm-2.00pm	Lunch
2.00pm-3.30pm	Module 6: Emergency Response for Hazardous Chemicals/ Dangerous Goods <ul style="list-style-type: none"> ● Emergency Response Assistance Plan ● Accidental Release & Reporting Requirement ● Escape routes and emergency exit. ● Chemical Spill Management
3.30pm-3.45pm	Break
3.45pm-5.00pm	Module 7 (Practical) : Emergency Preparedness & Response Drill for Hazardous Chemicals/ Dangerous Good <ul style="list-style-type: none"> ● Mock-up Drill for Dangerous Goods / Hazardous Chemicals Spills in Warehouse ● Mock-up Drill for Dangerous Goods / Hazardous Chemicals Spills in during Transportation

