



WSQ Manage Hazardous Substances

This course will instil learners with the knowledge and be equipped with the application skills in measuring and assessing contaminants at the workplace. This includes identifying sources of hazardous substances, implementing control measures and managing the associated risks.

Persons who successfully completed this unit of competency will be recognised as 'competent persons' for the control of hazardous substances at the workplace by the Ministry of Manpower. This competency unit also covers the knowledge to control and manage hazardous substances as required by the National Environment Agency, for the fulfilment of their duties as hazardous substances licence holders.

This is one of the Occupational Hygiene Professionals modules in the WSQ Framework that leads to the award of the WSQ Statement of Attainment.

Course Duration Breakdown

- Day 1- Day4: 0900hrs – 1800hrs (Full Day)
 - Day 5: 0900hrs – 1500hrs (0.5 day)
 - Assessment – Day 6 (following Thur/Fri): 0900hrs – 1300hrs
- *Course is conducted over the course of 2 weeks + 0.5 day (assessment)

DURATION

5 Days

LANGUAGE

English

TSC CODE

WPH-WSH-5063-1.1

SDU Points

20

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Course Content

The syllabus focuses on:

- Hazardous Substances
- Risk due to hazardous Substances
- Analyse Health, Safety and Environmental Hazards and Risks due to Hazardous Substances
- Relevant Information Sources
- Fundamentals of Occupational Toxicology
- Control Approaches for Hazardous Substances
- Relevant Information for Hazardous Substances Control
- Control Measures for Hazardous Substances
- Principles of Hierarchy of Control
- Application of Control Measures
- Ventilation Systems
- Containment Systems
- Administrative Control
- Personal Protective Equipment (PPE)
- Legal and other Requirements applicable to Hazardous Substances
- Hazardous Chemical Management Programme
- Types of Licensing Control of Hazardous Substances
- Manage the Risks due to Hazardous Substances
- Good Risk Management Practices
- Learner's Activity

Who Should Attend

Appointed person who controls and manage hazardous substances at the work place, license/permit holders for import, sale, use and store, Occupational Hygiene (OH) professionals, Workplace Safety and Health (WSH) professionals

Pre-Requisites

- Employability Skill Level Workplace Literacy and Numeracy Level 6; **OR** Grade C6 in GCE 'O' Level for English, Maths and Science **AND**
- Recognised Technical/Engineering Diploma **OR** Grade C6 in GCE 'O' Level Science (Chemistry)

Method of Study

Classroom-based training with practical case studies and group activities.

Assessment & Certification

Part 1: MCQ & Written Questioning Session (150 minutes)
Part 2: Individual Written Assessment Project
Part 3: Individual Interview Session
Statement of Attainment (SOA) will be issued to participant who attend the course and attain COMPETENT for the assessments.

Learning Outcomes

Upon completion of this course, participants will be able to

- How to differentiate types and properties of given hazardous substances or associated hazardous substances in work environment
- How to interpret and determine the information in Safety Data Sheets (SDS) and Globally Harmonised System of classification and labelling of chemicals used in the workplace
- How to identify the fundamentals of Occupational Toxicology for hazardous substances
- How to evaluate HSE hazards and risk of given hazardous substances or associated hazardous substances in work environment
- How to identify the relevant information sources on hazardous substances
- How to apply the principles of hierarchy of control on the control measures for hazardous substances
- How to determine relevant legal and other requirements applicable to hazardous substances
- How to select effective control approaches for hazardous substances
- How to determine the types of licensing control of hazardous substances
- How to identify suitable storage, use and transport of hazardous substances in the workplace
- How to evaluate ventilation systems according to the hazardous substances used in the workplace
- How to select appropriate methods of containment of hazardous substances in the workplace
- How to apply control measures when using and storing hazardous substances
- How to establish good risk management practices for handling of hazardous substances
- How to identify the elements in Occupational Safety and Health Management Systems
- How to establish a hazardous chemicals management programme

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