

Health and Safety

9 - Hazards and Controls Associated with Hazardous Substances

elearning



Cogent Skills Health and Safety Suite

Delivery Mode:
30 minutes of elearning

Assessment:
No required assessment, participants are encouraged to keep self-reflective notes on key learning points.

Certificate:
Available upon completion of learning

This Course is Aimed at

Anyone who needs to understand the principles of health and safety as part of their job. The typical people who would benefit from this course include: Team leaders and supervisors, HR professionals, facilities managers, those working with young people in a training environment.

Overview

This course is a stand-alone elearning module and forms part of a 10 module set that make up the Health and Safety at Work Suite. It will help you to identify the forms of, classification of and routes of entry for substances hazardous; outline the sources of information to be considered when undertaking an assessment of the health risks from substances commonly encountered in the workplace and identify the controls that should be used to reduce the risk of ill-health from exposure to hazardous substances.

Program Content and Key Areas

The forms and classification of hazardous substances:

- ✓ The forms of hazardous substance: dusts, fumes, gases, mists, vapours and liquids
- ✓ Types of hazardous substances: chemical, biological, dusts
- ✓ Routes of entry of hazardous substances into the body (ingestion, absorption, injection, inhalation)
- ✓ The main classification of hazardous substances: irritant, corrosive, harmful, toxic, highly flammable and carcinogenic, oxidising, explosive and their appropriate recognised symbols

Sources of information:

- ✓ Sources of information; product labels and manufacturers' safety data sheets

Hazardous substance controls:

- ✓ Replacing the hazardous by a less/non hazardous
- ✓ Limiting exposure e.g. job rotation, limited time
- ✓ Total or partial enclosure
- ✓ Engineering control e.g. local exhaust ventilation
- ✓ General ventilation
- ✓ Safe storage
- ✓ Safe systems of work
- ✓ Good personal hygiene
- ✓ Personal protective equipment e.g. respirators, gloves, overalls
- ✓ Information, instruction, training and supervision

Learning Outcomes

On completion of this module, participants should be able to demonstrate understanding of the content through the application and knowledge to familiar and unfamiliar situations. In particular they should be able to:

- ✓ Identify the forms of, classification of and routes of entry for hazardous substances
- ✓ Outline the sources of information to be considered when undertaking an assessment of the health risks from substances commonly encountered in the workplace
- ✓ Identify the controls that should be used to reduce the risk of ill-health from exposure to hazardous substances

