

Dangerous Substances and Explosive Atmosphere Regulations 2002

1 Day Course



This course is intended for all personnel who are responsible for workplaces where dangerous substances and explosive gases may occur. The course is also suitable for designers and CDM co-ordinators who design, plan and manage projects constructing workplaces of this type.

Session 1 Introduction and Setting Course Objectives

Session 2 Application of the Regulations and Definition

When do the DSEA Regulations apply? Definitions to be applied including dangerous substance, explosive atmosphere, substance, work process, etc.

Session 3 Duties and Duty Holders

Responsibilities of the employer to employees and others, and self employed persons under DSEAR. Brief discussion on duties of designers under HASWA and CDM. Duties of co-ordination for multiple employers in shared workplaces.

Session 4 Risk Assessment and the Elimination or Reduction of Risk

Practical approach to risk assessment under DSEAR including substance properties, work areas, likelihood of explosion, ventilation, fire and explosion. Hierarchy of controls in risk reduction. Documenting the risk assessment decisions.

Session 5 Practical Exercise: Risk assessment exercise.

Session 6 Areas Where Explosive Atmospheres May Occur

Classification of areas and zoning. Selection of equipment for use in hazardous areas. Marking and ventilation of hazardous areas

Session 7 Emergency Arrangements

Discussion on emergency arrangements in the event of an incident, including: first aid, safety drills, warnings, communication systems, escape facilities, mitigation and restoring normal conditions. Relationship with other legislation including fire safety.

Session 8 Information, Instruction and Training

Requirements on the provision of training, information and instruction by the employer to employees and where applicable non-employees. Keeping information updated.

Session 9 Course Review and Conclusion

Objectives

Upon completion of the course, delegates should be able to:-

- understand the content of the regulations
- appreciate standards of safety to be applied to hazardous areas
- understand the risk assessment process under DSEAR
- know the hierarchy of controls when determining the suitability of the systems
- know the requirements for emergency responses.

Maximum number of delegates: 16