

DAY 1

Introduction to Toxic and Hazardous Materials (HAZMAT)

- What is a toxic or hazardous material
- Classification of toxic and hazardous substances
- Material safety data sheets
- Toxicity and health effects
- Control of sources of exposure
- Environmental effects on health

DAY 2

Classification and Labelling

- International standard for classifying toxic and hazardous materials (HAZMAT)
- Chemical classification methods (Global Harmonised System-GHS & EU Risk and Safety Phrases)
- Nature and type of marking of storage and transfer containers
- Nature and type for labelling toxic and hazardous materials
- Communicating toxic and hazardous material marking and labelling system information
- General responsibilities of suppliers

DAY 3

Operational Control Measures

- Risk assessment techniques for identifying chemical hazards
- Analysing risk assessment findings and evaluating risk levels
- Control measures for chemicals hazardous to health
- Control measures of flammable, dangerously reactive or explosive chemicals
- Control measures for the storage of hazardous chemicals
- Hazardous waste audit and disposal and treatment of waste chemicals

DAY 4

Safe Handling of Toxic and Hazardous Materials

- Safe work systems and best practices

- Personal protection clothing and equipment (selection and use)
- Provision of training and information on chemical risks
- General and local exhaust ventilation methods
- Maintenance of engineering control measures
- Monitoring and measuring methods and record-keeping

DAY 5

Emergency Management and Response Plans

- Identifying potential emergency incidents of toxic and hazardous materials
- Developing emergency response procedures
- Establishing on-site and off-site emergency plans
- Emergency training, exercises and drills
- Medical first aid, health surveillance and medical records
- Investigation of incidents and lessons learned