



HEALTH SAFETY AND ENVIRONMENT | HSE-018

Chemical Safety and Hazardous Substances Management

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Course content

Why Attend

Chemicals are used in almost every workplace, from laboratories and factories to cleaning and maintenance. Exposure can cause acute injuries, long-term illness, fires and environmental harm.

This Aractech course explains chemical hazard classification, safety data sheets, exposure routes and limits, risk assessment for hazardous substances, control measures, storage and segregation, spill response and regulatory requirements including GHS labelling. Participants develop a chemical management programme.

Course Methodology

- Technical presentations
- SDS interpretation exercises
- Risk assessment workshop
- Case studies
- Group discussions

Course Objectives

- Understand chemical hazard classification and labelling
- Interpret safety data sheets
- Assess risks from hazardous substances
- Select effective exposure controls
- Store, handle and segregate chemicals safely
- Manage spills, waste and regulatory compliance

Target Audience

- HSE professionals
- Laboratory managers

Course content

- Production and maintenance supervisors
- Warehouse managers

Course outline

Detailed course outline

Day-by-day outline for Chemical Safety and Hazardous Substances Management.

Day 1 - Chemical Hazards

- 09:00-09:39 | Types of chemical hazards
- 09:39-10:18 | Exposure routes
- 10:18-10:57 | Acute and chronic effects
- 10:57-11:00 | Legal frameworks
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Legal frameworks (continued)
- 12:05-12:43 | Chemical inventories
- 12:43-14:00 | Exercise: Inventory review

Day 2 - Classification and Information

- 09:00-09:39 | GHS classification
- 09:39-10:18 | Labels and pictograms
- 10:18-10:57 | Safety data sheets
- 10:57-11:00 | Exposure limits
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Exposure limits (continued)
- 12:05-12:43 | Information for workers
- 12:43-14:00 | Workshop: SDS interpretation

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Day 3 - Risk Assessment and Control

- 09:00-09:39 | Assessing exposure
- 09:39-10:18 | Hierarchy of controls
- 10:18-10:57 | Local exhaust ventilation
- 10:57-11:00 | PPE selection
- 11:00-11:30 | Coffee break
- 11:30-12:05 | PPE selection (continued)
- 12:05-12:43 | Health surveillance
- 12:43-14:00 | Exercise: Chemical risk assessment

Day 4 - Storage and Handling

- 09:00-09:39 | Storage principles
- 09:39-10:18 | Segregation
- 10:18-10:57 | Flammables and corrosives
- 10:57-11:00 | Transfer and dispensing
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Transfer and dispensing (continued)
- 12:05-12:43 | Spill response
- 12:43-14:00 | Case study: Chemical incident

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Day 5 - Management Programme

- 09:00-09:45 | Chemical approval process
- 09:45-10:30 | Training
- 10:30-11:00 | Waste disposal
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Waste disposal (continued)
- 11:45-12:30 | Audits
- 12:30-13:15 | Continuous improvement
- 13:15-14:00 | Capstone: Chemical management plan

Seminar dates

Available seminar dates

Live dates and pricing for Chemical Safety and Hazardous Substances Management generated from the course details page.

Date	Location	Format	Fee
16 - 20 November 2026	Barcelona	Classroom	€2,815
7 - 11 December 2026	Paris	Classroom	€3,825
11 - 15 January 2027	Geneva	Classroom	€4,315
8 - 12 February 2027	Dubai	Classroom	€1,845
8 - 12 March 2027	London	Classroom	€2,315
12 - 16 April 2027	Istanbul	Classroom	€1,978
10 - 14 May 2027	Cape Town	Classroom	€1,625
14 - 18 June 2027	Barcelona	Classroom	€2,815
12 - 16 July 2027	Paris	Classroom	€3,825
9 - 13 August 2027	Geneva	Classroom	€4,315

Seminar dates

Available seminar dates

Live dates and pricing for Chemical Safety and Hazardous Substances Management generated from the course details page.

Date	Location	Format	Fee
13 - 17 September 2027	Madrid	Classroom	€3,400
11 - 15 October 2027	London	Classroom	€2,315
8 - 12 November 2027	Istanbul	Classroom	€1,978
13 - 17 December 2027	Vienna	Classroom	€3,225
16 - 20 November 2026	Online / Live	Online / Live	€1,815
7 - 11 December 2026	Online / Live	Online / Live	€1,815
11 - 15 January 2027	Online / Live	Online / Live	€1,815
8 - 12 February 2027	Online / Live	Online / Live	€1,815
8 - 12 March 2027	Online / Live	Online / Live	€1,815
12 - 16 April 2027	Online / Live	Online / Live	€1,815

Seminar dates

Available seminar dates

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Date	Location	Format	Fee
10 - 14 May 2027	Online / Live	Online / Live	€1,815
14 - 18 June 2027	Online / Live	Online / Live	€1,815
12 - 16 July 2027	Online / Live	Online / Live	€1,815
9 - 13 August 2027	Online / Live	Online / Live	€1,815
13 - 17 September 2027	Online / Live	Online / Live	€1,815
11 - 15 October 2027	Online / Live	Online / Live	€1,815
8 - 12 November 2027	Online / Live	Online / Live	€1,815
13 - 17 December 2027	Online / Live	Online / Live	€1,815