

CHEMWATCH



CHEMWATCH TRAINING

COURSE IN CHEMICAL HANDLING,
USE & STORAGE RULES

(INTERNATIONAL VERSION)

BRIEFING NOTE

2022

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ABOUT THE COURSE

This short course provides users with a basic knowledge of chemical safety and a better understanding of how to handle, use and store hazardous chemicals. Designed for lab technicians or those entering the chemical industry, this course will act as an introduction to chemical safety in the workplace.

This course covers the following topics of discussion:

- Overview of the chemical industry
- Roles and responsibilities of people in the workplace
- The Globally harmonized system (GHS) of classification and labelling of chemicals
- How the GHS is implemented in different jurisdictions, including USA, Europe, UK, Canada Australia and New Zealand.
- Hazard identification using the GHS
- Overview of the risk management process, including exposure risks
- Management of registers and labelling requirements
- Chemical functions in the workplace
- Instructions of transport, handling and storage
- Personal protective equipment

This course is non-accredited and can be completed over two short sessions of 2-3 hours each. On enrolment, students are provided with 3 months in which to complete the course.

The course is available through our online learning management system and is completed through a mix of eLearning presentations, learner guides and short quizzes. It is self-paced, and so it is entirely up to the student with how they manage their time (provided they finish within the 3 month timeline). Upon completion of the course, students will be issued with a certificate of completion as recognition of this achievement.

This course is perfect for anyone entering a role in the chemical industry, or if you want to refresh your knowledge of the safety standards required at the workplace. It is perfect for lab technicians, graduates, material scientists and anyone else who handles hazardous chemicals and would like to know more about the safety requirements.

COURSE HIGHLIGHTS

- Completed entirely online
- 2 short sessions (2–3 hours each)
- Interactive eLearning and self assessment quizzes
- Immediate access to all course content and reading material
- No set classes, self-paced, and the eLearning will save your position when you leave
- Three months to complete
- Access to learner guides and additional industry resources
- Multiple choice quiz to measure assessment
- Certificate upon completion

COURSE CURRICULUM - PART 1

The Chemical Industry

Overview of the chemical industry and introduction to common workplace health and safety terms and tools.

Roles and Responsibilities of People in the Workplace

Review of the typical duty holders in Workplace Health and safety such as employers, officers, workers, manufacturers, suppliers and importers.

Safety Procedures Involved in Chemical Handling and Use

Explain hazard and risk and the purpose and structure of a Safe Operating Procedure (SOP) within the context of workplace health and safety.

Hazard identification through the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Explain hazard identification and introduce health hazards and toxicity. Discuss the GHS and how hazard communication can assist in recognising chemical hazards as well as using the ECHA database. Detail implementation of the GHS throughout the world including in USA, UK, EU, Canada, Australia and New Zealand.

The Risk Management Process

Review the risk management process and the use of a risk matrix to assist in a risk assessment. Also discuss the hierarchy of control and how to apply it.

Record Keeping and Management of Registers

Compare and contrast common workplace registers including inventories, hazardous chemical registers, Dangerous Goods registers, and incident registers.

COURSE CURRICULUM - PART 2

Common Information Sources for Health and Safety in the Workplace

Review definition of policy, processes, and procedures as well as discuss emergency plans and sections of the SDS to be used in an emergency.

Chemical Risks regarding Exposure and Accidents

Explanation of exposure standards, including possible routes of exposure. Discuss spills and emergency procedures.

Chemical Functions in the Workplace

Overview of different chemical identifiers and nomenclature as well as discussion of common chemical types in the workplace, including corrosives, flammables, and solvents.

Hazardous Chemical Labels

Overview of the GHS labelling requirements for hazardous chemicals.

Instructions for Transport, Handling and Storage of Chemicals

Explanation of Dangerous Goods and safe storage of chemicals with review of incompatibilities.

Instructions for Use, Maintenance and Storage of Personal Protective Equipment (PPE)

Review of common PPE and information on maintenance and storage.

PRICING STRUCTURE

The online course pricing will vary depending on the number of learners. The pricing is structured for individual learners or grouped learners to enable organisations and businesses to choose a cost-effective learning strategy to meet their training needs.

Payment Options

Generally, payments will be processed by Chemwatch Accounts Department when organisations or individuals request payment by invoice.

Otherwise, individual learners can pay directly through our online application form, either by PayPal or Credit card.

Due to the immediate availability of all course content upon enrolment, **Refunds are not available to learners once they are enrolled in the course.**

LEARNER PLAN AND DELIVERY METHOD

The online course is structured into two parts, with a 15-question multiple choice quiz to be completed after each part. There are also self-assessment quizzes throughout the eLearning, which are not formally assessed, but exist to test your knowledge as you progress through the course.

The course is available in our Learning Management System (LMS), which is a web-based platform. Upon enrolment, learners will be provided access to all course content, including the two eLearning presentations, two assessment quizzes, and a learner guide (PDF) that the learner can download and store locally to refer back to after they complete the course.

The screenshot displays the LMS interface for the course 'Chemical Handling, Use and Storage Rules Part 1'. The interface includes a navigation menu on the left, a main content area, and a footer.

Navigation Menu:

- Introduction ✓
- Background in Work Health and Safety Laws ✓
- The Chemical Industry in Australia
 - The chemical industry in australia ✓
- Introduction to Basic Chemical Management ✓
- Why should Companies maintain Chemical ... ✓
- What does chemical management involve ✓
- The Chemical Management Cycle ✓
- The Australian Chemical Regulatory Schemes ✓
- Roles and Responsibilities of People in the W...
 - Roles and Responsibilities of People in the ... ✓
 - WHS Act and Regulations ✓
 - Different roles involved in work place for ch... ✓

Main Content Area:

Introduction to Basic Chemical Management

Approximately 60,000 commercial chemicals are hazardous.

Globally, of 180 million known chemical substances, more than 100,000 are used by companies in their production processes and operations.

The misuse of chemicals may result in injury, fires, explosions, accidents, spills or damage.

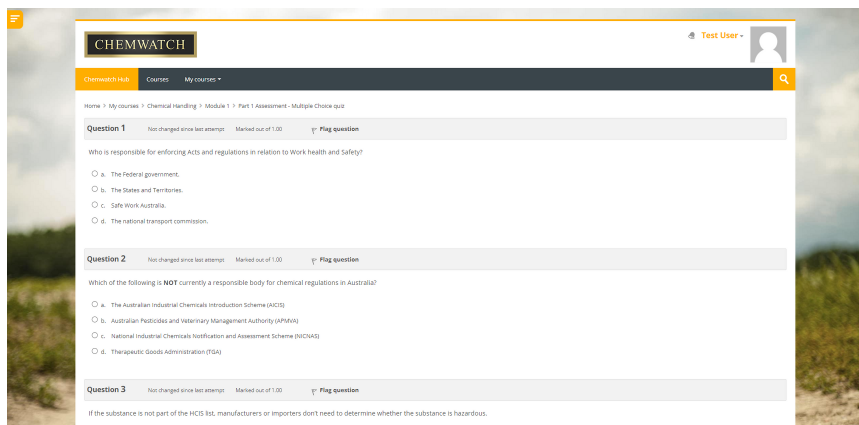
Without knowing how to use and handle chemicals safely, a chemical incident could mean injury, disease or even death.

Footer:

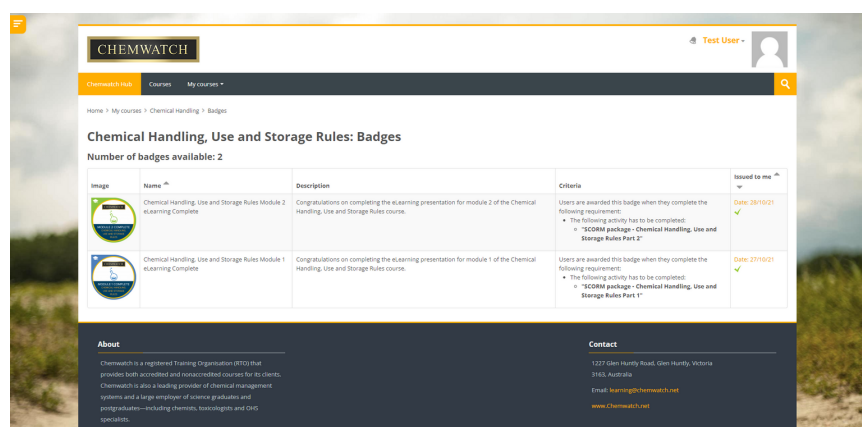
◀ Learner Guide | jump to... | Part 1 Assessment - Multiple Choice quiz ▶

LEARNER PLAN AND DELIVERY METHOD

Learners require a passing grade of 80% in each of the two assessments to successfully complete this course. The assessment will be based on content delivered through the eLearning, however they may refer back to the learners guide when completing the assessment.



The quiz is not timed, and students will have unlimited attempts to pass and complete the course. On successful completion of the course, students will be issued with a certificate of completion and available to download in PDF format. This soft copy will be the only one issued and it will be the learners responsibility to download and maintain this copy.



Learners will also receive an online badge as part of the LMS upon completion of each part of the eLearning presentation's. These badges can be downloaded as a Portable Network Graphic (PNG) and stored locally.

COMPUTING & IT REQUIREMENTS

Software: The software requirements include an Adobe Reader DC or equivalent, and a stable internet connection. The recommended web browsers are the latest version of Edge, Firefox, Safari or Google Chrome. Screen resolutions should be set at a minimum of 1024x768 for optimal viewing of the LMS eLearning mode.

Hardware: A desktop (pc) or laptop can be used to run the course until completion. The LMS is compatible on both Windows 7 or higher for PC, and Mac OSX version or higher.

Audio Connectivity: Each module slide is accompanied by an audio narration. Students are required to have an audio connection across the entire course.

Navigation

The LMS includes navigation tools: 'play and pause'; menu; progress bar; mute; maximise screen options; and a resource tab for more information.



CONTACTS IN AUSTRALIA

Course Administrator

E: learning@chemwatch.net

Customer Service

E: customerservice@chemwatch.net

T: +61 3 9573 3100

Training

E: training@chemwatch.net

T: +61 3 9573 3114



CHEMWATCH



Chemwatch

1227 Glen Huntly Road
Glen Huntly
Victoria 3613

Telephone: +61 3 9573 3100

Fax: +61 3 9572 4777

Email: info@chemwatch.net

Website: www.chemwatch.net