



TRAINING AND PROJECTS

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Course Title: Receive, Handle and Store Hazardous Chemicals Safely

SAQA ID: 244073

NQF Level: 02

Credits: 05

Course Description:

This course equips you with the knowledge and skills to safely receive, handle, and store hazardous chemicals in a workplace setting. It aligns with South African regulations and prepares you for the SAQA Unit Standard 244073 assessment.

Course Objectives:

- Introduction to hazardous chemicals and their classification systems (GHS)
- Understanding safety data sheets (SDS) and hazard symbols
- Safe handling techniques for different chemical types (flammables, corrosives, toxins, etc.)
- Personal protective equipment (PPE) selection and proper use
- Chemical storage regulations and best practices
- Spill containment and clean-up procedures
- Waste disposal procedures for hazardous chemicals
- Maintaining chemical inventory records

Benefits of Completing this Course:

- Gain a thorough understanding of hazardous chemicals and their safe handling procedures.
- Enhance your workplace safety and minimize the risk of accidents.
- Fulfil regulatory requirements for handling hazardous chemicals.
- Increase your employability in various industries that utilize chemicals.

Who Should Attend:

This course is ideal for anyone who works with or around hazardous chemicals, including:

- Laboratory technicians
- Production workers
- Warehouse personnel
- Maintenance staff
- Environmental technicians
- And anyone else involved in the chemical supply chain

Assessment:

The course assessment will involve a combination of theoretical and practical components to ensure you can demonstrate competency in all aspects of safe chemical handling.



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Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1

Prepare to receive hazardous chemicals.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Personal protective equipment (PPE) is worn in a manner that protects personnel and products, and complies with organisational policy and legislation.

ASSESSMENT CRITERION RANGE

PPE includes gloves, face masks, goggles, overalls, sleeve protectors, safety boots/shoes.

ASSESSMENT CRITERION 2

Safety equipment and accessories are ready and available for the period of chemical handling, and their uses explained in the event of fire, spillages and leakages.

ASSESSMENT CRITERION 3

Equipment for use in handling chemicals is clean, operational and fit for purpose.

ASSESSMENT CRITERION 4

The work environment is clean and free from potential hazards to personnel, product, plant and environment, in accordance with operating procedures.

ASSESSMENT CRITERION 5

Personnel affected by preparation of chemicals are notified within a timeframe that promotes workplace and team safety.

SPECIFIC OUTCOME 2

Receive and check chemicals.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Integrity of packaging is checked according to instructions.

ASSESSMENT CRITERION 2

Condition of chemicals is matched against specifications.

ASSESSMENT CRITERION 3

Chemicals are quarantined according to MSDS guidelines and/or returned where leaks occurred or where packaging is compromised.

ASSESSMENT CRITERION 4

Quantities received are accurately matched to the documented requirements.

ASSESSMENT CRITERION 5



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Deviations noted are reported as per procedure.

SPECIFIC OUTCOME 3

Handle chemicals safely.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Chemicals are handled in a manner that maximises operator and product safety in accordance with standard operating procedures.

ASSESSMENT CRITERION RANGE

Correct handling equipment: Pipes and pipe fittings, tanks, pumps, meters, hoses, containers, conveyors and lifting apparatus.

ASSESSMENT CRITERION 2

Chemicals are used in compliance with their intended purpose and usage instructions.

ASSESSMENT CRITERION 3

Wastage is kept to a minimum and spillages are removed using the appropriate method for the chemical in question, with due regard to storm water and effluent systems.

SPECIFIC OUTCOME 4

Conduct post-handling processes.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Used equipment and materials are cleaned, disposed of or stored so that they do not pose a threat to the safety of personnel, plant or environment.

ASSESSMENT CRITERION 2

The consequences of incorrect materials disposal are explained with reference to the impact on people, plant and environment.

ASSESSMENT CRITERION 3

The handling process carried out is reviewed against the knowledge of chemical handling in order to identify discrepancies between theory and practice.

ASSESSMENT CRITERION 4

The work area is cleaned and restored to its pre-handling state, as per requirements.

ASSESSMENT CRITERION 5

The status of chemical handling is reported to appropriate personnel and is in the required format.



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SPECIFIC OUTCOME 5

Store hazardous chemicals for production requirements.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Storage of chemicals is in line with safety legislation and standard operating procedures, and storage space used in accordance with company stock holding policies.

ASSESSMENT CRITERION 2

Stored chemicals are clearly labelled and have accurate date coding.

ASSESSMENT CRITERION 3

All documentation relating to storage is accurate and complete, in line with standard operating procedures.

ASSESSMENT CRITERION 4

Incorrect chemical storage is discussed with reference to impact on housekeeping, downtime, safety and quality.

By successfully completing this SAQA Unit Standard 244073 course, you will gain the necessary skills and knowledge to confidently handle hazardous chemicals in a safe and responsible manner.

This course aligns with SAQA US ID 244073 requirements, ensuring participants acquire essential knowledge and skills to navigate Receive, handle and store hazardous chemicals safely effectively.