



Hazardous Substances (HAZCHEM)

Handout I

Unit Standard

UNIT STANDARD

Monitor and make recommendations on the application of health and safety principles regarding hazardous substances in the working place

SAQA US ID	UNIT STANDARD TITLE			
120370	Monitor and make recommendations on the application of health and safety principles regarding hazardous substances in the working place			
ORIGINATOR				
SGB Occupational Health and Safety				
PRIMARY OR DELEGATED QUALITY ASSURANCE FUNCTIONARY				
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FIELD			SUBFIELD	
Field 09 - Health Sciences and Social Services			Preventive Health	
ABET BAND	UNIT STANDARD TYPE	PRE-2009 NQF LEVEL	NQF LEVEL	CREDITS
Undefined	Regular-Fundamental	Level 4	NQF Level 04	3
REGISTRATION STATUS		REGISTRATION START DATE	REGISTRATION END DATE	SAQA DECISION NUMBER
Reregistered		2018-07-01	2023-06-30	SAQA 06120/18
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2024-06-30		2027-06-30		

In all of the tables in this document, both the pre-2009 NQF Level and the NQF Level is shown. In the text (purpose statements, qualification rules, etc.), any references to NQF Levels are to the pre-2009 levels unless specifically stated otherwise.

This unit standard does not replace any other unit standard and is not replaced by any other unit standard.

PURPOSE OF THE UNIT STANDARD

This unit standard requires of learners to demonstrate the ability to monitor, advice and report on compliance with legislation regarding hazardous substances.

Learners credited with this unit standard are capable of:

- Monitoring, advising and reporting on the scope and understanding of the specified requirements as regards to hazardous substances in a work place.
- Demonstrating knowledge pertaining to the application of methods in preventing exposure to hazardous substances in a work place.
- Demonstrating knowledge pertaining to the classification, physical state, health effects and disposal methods of hazardous substances in a workplace.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The Unit Standard outcomes and credits are based on the assumption that learners attempting this Unit Standard can already read, write and communicate at NQF Level 3 or equivalent.

UNIT STANDARD RANGE

The following scope and context applies to the whole unit standard at any working place.

Specific range statements are provided in the body of the unit standard where they apply to particular specific outcomes or assessment criteria.

Specified requirements include legal and site-specific requirements and are contained in one or more of the following documents:

Legal Requirements:

Include and are contained in one or more, but not limited to the following documents:

- Relevant Acts: e.g. Mine Health & Safety Act, 1996 (Act no 29/1996), and Minerals Act and Regulations, 1991 (Act no 50/1991). And Occupational Health and Safety (Act no 85/1993).
- Mandatory Codes of Practice.
- SABS and other relevant Standards.
- Chief Inspector of Mines' Directives.

Site Specific Requirements:

- Hazard Identification and Risk Assessments (HIRA).
- Occupational Health and Safety Risk Management Programme.
- Managerial Instructions.
- Mine Standard Procedures.
- List of Recorded OH&S Risks.
- Working Guides.
- Equipment and Materials Specifications.

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1

Monitor advice and report on the scope and understanding of the specified requirements as regards to hazardous substances in a work place.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

The explanation of the scope and application in terms of specified requirements in preventing exposure to hazardous substances confirms understanding.

ASSESSMENT CRITERION 2

The explanation regarding the provision of training and information in accordance with specified requirements confirms understanding.

ASSESSMENT CRITERION 3

The explanation as regards to the duties of a person exposed to hazardous substance in accordance with specified requirements confirms understanding.

ASSESSMENT CRITERION 4

The demonstration of the process to assess potential exposure to hazardous substances in accordance to specified requirements confirms understanding.

ASSESSMENT CRITERION 5

The explanation in terms of the air monitoring programs in accordance with specified requirements confirms understanding.

SPECIFIC OUTCOME 2

Demonstrate knowledge pertaining to the application of methods in preventing exposure to hazardous substances in a work place.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

The explanation in terms of the use of preventive measures other than PPE in accordance with specified requirements confirms understanding.

ASSESSMENT CRITERION 2

The explanation regarding the safety, health and environmental practices in terms of the storage of Hazardous substances confirms understanding.

ASSESSMENT CRITERION 3

The explanation in terms of the examination, test, maintenance and control measures in accordance with specified requirements confirms understanding.

ASSESSMENT CRITERION 4

The explanation in terms of the importance of record keeping in regards with hazardous substances in accordance with specified requirements confirms understanding.

SPECIFIC OUTCOME 3

Demonstrate knowledge pertaining to the classification, physical state, health effects and disposal methods of hazardous substances in a workplace.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

The explanation in terms of the classes and physical state of hazardous substances confirms understanding.

ASSESSMENT CRITERION 2

The explanation the different categories of hazardous substances and their health effects in accordance with specified requirements confirms understanding.

ASSESSMENT CRITERION 3

The explanation regarding the disposal methods of hazardous substances in accordance with specified requirements confirms understanding.

UNIT STANDARD ASSESSOR CRITERIA

N/A

REREGISTRATION HISTORY

As per the SAQA Board decision/s at that time, this unit standard was Reregistered in 2012; 2015.

1. *CRITICAL CROSS-FIELD OUTCOMES (CCFO)*

a) Unit Standard CCFO Identifying

Identify and solve problems and make decisions using critical and creative thinking.

Note: The ability of the candidate to assess hazardous conditions and make recommendations indicates capability i.t. problem solving skills.

b) Unit Standard CCFO Working

Work effectively with others as members of a team, group, organisation or community.

Note: The ability and willingness of the candidate to accept, interpret and delegate work instructions correctly, when required, in an appropriate manner, indicates that he/she can work effectively as a team member in the bigger organi structure.

c) Unit Standard CCFO Organising

Organise and manage themselves and their activities responsibly and effectively.

Note: The competence of inspections and recommendations will indicate that the candidate can organise and manage in his/her working environment.

d) Unit Standard CCFO Collecting

Collect, analyse, organise and critically evaluate information.

Note: The ability of the candidate to interpret acquired data and perform basic calculations will indicate proficiency in collecting, organising and evaluating information.

e) Unit Standard CCFO Communicating

Communicate effectively, using visual, mathematical and / or language skills in the modes of oral and/or written preser

Note The ability of the candidate to communicate requirements and recommendations will indicate his/her effective communicate information in the modes of oral and written presentations.

f) Unit Standard CCFO Science

Use science and technology effectively and critically showing responsibility towards the environment and health of ot

Note: The ability of the candidate to select the appropriate formulae and perform the relevant calculations indicates he/she is able to use science and technology.

g) Unit Standard CCFO Demonstrating

Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not isolation.

Note: The ability of the candidate to identify unsafe acts and conditions and to make recommendations to the workforce c understanding that a specific situation, action or decision can have a devastating effect.