



All qualifications and part qualifications registered on the National Qualifications Framework are public property. Thus the only payment that can be made for them is for service and reproduction. It is illegal to sell this material for profit. If the material is reproduced or quoted, the South African Qualifications Authority (SAQA) should be acknowledged as the source.

### SOUTH AFRICAN QUALIFICATIONS AUTHORITY

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>			
259624	Control workplace hazards and risks			
<b>ORIGINATOR</b>				
SGB Occupational Health and Safety				
<b>FIELD</b>			<b>SUBFIELD</b>	
Field 09 - Health Sciences and Social Services			Preventive Health	
<b>ABET BAND</b>	<b>UNIT STANDARD TYPE</b>	<b>PRE-2009 NQF LEVEL</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
Undefined	Regular	Level 2	NQF Level 02	4
<b>REGISTRATION STATUS</b>		<b>REGISTRATION START DATE</b>	<b>REGISTRATION END DATE</b>	<b>SAQA DECISION NUMBER</b>
Reregistered		2015-07-01	2018-06-30	SAQA 10105/14
<b>LAST DATE FOR ENROLMENT</b>		<b>LAST DATE FOR ACHIEVEMENT</b>		
2019-06-30		2022-06-30		

#### PURPOSE OF THE UNIT STANDARD

The person credited with this unit standard is able to describe the information, training and duties of persons exposed to hazardous substances and risks, as well as understanding the responsibilities of both employer and employee in such situations. Learners will be able to identify hazardous substances by product and company, the procedures required to handle them, the risks and dangers associated with hazardous substances and the methods of dealing with exposure to them. They will also be able to explain the production, processing, use, storage, handing or transporting of hazardous substances, as well as dealing with compliance and non-compliance issues.

The qualifying learner is capable of:

- Explaining the governance of workplace hazardous substances.
- Explaining material safety data sheets (MSDS) for hazardous substances in the workplace.
- Explaining risks associated with workplace hazardous substances.
- Controlling workplace hazardous substances.

#### LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

- Communication at NQF Level 1 or equivalent.
- Mathematical Literacy at NQF Level 1 or equivalent.

#### Specific Outcomes and Assessment Criteria:

##### SPECIFIC OUTCOME 1

Explain the governance of workplace hazardous substances.

## **ASSESSMENT CRITERIA**

### **ASSESSMENT CRITERION 1**

The actions required by persons who may be exposed to hazardous substances are explained in terms of the impact of exposure on those persons.

### **ASSESSMENT CRITERION 2**

Hazardous substances directly related to the specific workplace are defined and identified with examples.

### **ASSESSMENT CRITERION 3**

The responsibilities of both employer and employee are explained in terms of the prevention of exposure to hazardous substances.

### **ASSESSMENT CRITERION 4**

Non-compliance with the governance of workplace hazardous substances is explained in terms of the impact on the organisation and the immediate environment.

## **SPECIFIC OUTCOME 2**

Explain material safety data sheets (MSDS) for hazardous substances in the workplace.

## **ASSESSMENT CRITERIA**

### **ASSESSMENT CRITERION 1**

Hazardous substances are identified by product and company.

### **ASSESSMENT CRITERION 2**

Hazards associated with a specific substance are described in terms of the MSDS.

### **ASSESSMENT CRITERION RANGE**

Hazards may include but are not limited to, flammability, chemical hazard, biological hazard, reproductive hazard, eye effects and health effects (skin, ingestion, inhalation).

### **ASSESSMENT CRITERION 3**

Emergency procedures to deal with hazardous substances are explained in terms of the MSDS.

### **ASSESSMENT CRITERION RANGE**

Emergency procedures may include first aid measures, fire fighting and accidental release.

### **ASSESSMENT CRITERION 4**

Handling and storage procedures of hazardous substances are explained in terms of the MSDS.

### **ASSESSMENT CRITERION 5**

Exposure controls/personal protection measures are explained in terms of the MSDS.

### **ASSESSMENT CRITERION 6**

Disposal methods for the hazardous substance and container are explained according to

governance requirements.

#### **ASSESSMENT CRITERION 7**

Transportation of the hazardous substance is explained in terms of governance requirements.

#### **SPECIFIC OUTCOME 3**

Explain risks associated with workplace hazardous substances.

#### **ASSESSMENT CRITERIA**

##### **ASSESSMENT CRITERION 1**

The risks associated with workplace hazardous substances are identified in terms of the impact on people and the immediate environment.

##### **ASSESSMENT CRITERION 2**

A risk assessment is conducted for different hazardous substances in the work environment.

##### **ASSESSMENT CRITERION 3**

The dangers associated with working with hazardous substances are explained in terms of health and safety of people, assets and the environment.

##### **ASSESSMENT CRITERION 4**

Methods of dealing with the possible exposure of persons to hazards associated with hazardous substances are explained with examples.

#### **SPECIFIC OUTCOME 4**

Control workplace hazardous substances.

#### **ASSESSMENT CRITERIA**

##### **ASSESSMENT CRITERION 1**

The production, processing, use, storage, handling and transporting of hazardous substances are explained with examples in terms of safety to people, objects and the environment.

##### **ASSESSMENT CRITERION 2**

Disposal practices for hazardous substances are explained in terms of governance requirements.

##### **ASSESSMENT CRITERION 3**

Control measures to prevent exposure in the workplace are implemented according to governance requirements.

##### **ASSESSMENT CRITERION 4**

Workplace emergency preparedness plans are evaluated against governance requirements.

##### **ASSESSMENT CRITERION 5**

Communication with all stakeholders is carried out in accordance with governance requirements.

## **ASSESSMENT CRITERION 6**

Control of hazardous substances is reported on in order to address non-compliance.

## **ASSESSMENT CRITERION 7**

The importance of complying with measures to control hazardous substances is explained in terms of the consequences for health, safety, environment and production.

## **UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS**

- ☒ An individual wishing to be assessed (including through RPL) against this unit standard may apply to an assessment agency, assessor or provider institution accredited by the relevant ETQA or an ETQA that has a Memorandum of Understanding in place with the relevant ETQA.
- ☒ Anyone assessing a learner against this unit standard must be registered as an assessor with the relevant ETQA or an ETQA that has a Memorandum of Understanding in place with the relevant ETQA.
- ☒ Any institution offering learning that will enable achievement of this unit standard or assessing this unit standard must be accredited as a provider with the relevant ETQA or an ETQA that has a Memorandum of Understanding in place with the relevant ETQA.
- ☒ Moderation of assessment will be conducted by the relevant ETQA at its discretion.

## **UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE**

Effects of hazardous substances on persons, equipment and environment.

## **Critical Cross-field Outcomes (CCFO):**

### **UNIT STANDARD CCFO IDENTIFYING**

Identify and solve problems pertaining to the control of workplace hazardous substances.

### **UNIT STANDARD CCFO WORKING**

Work effectively with others in the workplace so that people and assets are kept safe in the presence of hazardous substances.

### **UNIT STANDARD CCFO ORGANISING**

Organise and manage oneself and one's activities in ways which ensure hazardous substances are always dealt with in a safe and effective way.

### **UNIT STANDARD CCFO COLLECTING**

Collect, analyse, organise and critically evaluate information related to workplace safety in relation to hazardous substances.

### **UNIT STANDARD CCFO COMMUNICATING**

Communicate effectively with all stakeholders regarding the use and control of workplace hazardous substances.

### **UNIT STANDARD CCFO SCIENCE**

Use science and technology to record and store information regarding hazardous substances in the workplace.

## **UNIT STANDARD CCFO DEMONSTRATING**

Demonstrate an understanding of the world as a set of related systems where the poor handling and use of hazardous substances leads to unsafe situations for persons, assets and the environment.

## **UNIT STANDARD ASSESSOR CRITERIA**

### **UNIT STANDARD NOTES**

Terminology:

"Specified requirements" include legal and site-specific requirements and are contained in the following documents.

Legal:

- ☒ Relevant current legislation, regulations and directives pertaining to mining and occupational health and safety.
- ☒ Mandatory Codes of Practice.
- ☒ South African National Standards and other relevant Standards.

Site Specific:

- ☒ Hazard Identification and Risk Assessments (HIRA).
- ☒ Occupational Health and Safety Risk Management Programme.
- ☒ Managerial Instructions.
- ☒ Organisational Standard Procedures.
- ☒ List of Recorded OHS Risks.
- ☒ Working Guides.
- ☒ Equipment and Materials Specifications.
- ☒ Acceptable subject related theory.