

Unit ID: 1399

**Domain**            **HYDROMETALLURGICAL PROCESSING**  
**Title:**             **Demonstrate knowledge of handling and**  
                             **storing cyanide**

**Level: 1**

**Credits: 4**

### **Purpose**

This unit standard is intended for those who wish to enter into employment in the metallurgical processing industry. People holding credit for this unit standard are able to: Demonstrate knowledge of sodium cyanide safety procedures; demonstrate knowledge of personal safety measures; demonstrate knowledge of protecting workers and the environment during cyanide handling and storage.

### **Special Notes**

1. This unit standard is primarily intended for assessment in classroom-based programmes, but can be assessed in other contexts, such as workplaces.
2. Regulations and legislation, including subsequent amendments, relevant to this unit standard may include but are not limited to the following:
  - Labour Act, No. 11, 2007
  - Mineral Act, No. 33, 1992
  - Mine Health and Safety Regulations, 1999
  - Regulations relating to the Health and Safety of employees at work, 1997 and all industry specific regulations, legislations, code of practice, or code of conduct.

### **Quality Assurance Requirements**

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority. All approved unit standards, qualifications and national assessment arrangements are available on the Namibia Training Authority website [www.nta.com.na](http://www.nta.com.na).

## **Elements and Performance Criteria**

### **Element 1: Demonstrate knowledge of sodium cyanide safety procedures**

#### **Performance Criteria**

- 1.1 Compliance documentation relevant to the safe handling and storage of sodium cyanide are accessed and interpreted.
- 1.2 Safe operating procedures for managing potential hazards, risks and emergencies are accessed and interpreted.

1.3 Workplace safety reporting procedures are accessed and described.

## **Element 2: Demonstrate knowledge of personal safety measures**

### **Performance Criteria**

- 2.1 The importance of maintaining a clean and tidy workplace is described.
- 2.2 The use of personal protective equipment relevant to the handling and storing of cyanide are described according to workplace requirements.
- 2.3 Hazardous substance safety procedures are described according to workplace requirements.
- 2.4 Procedures for obtaining permits and clearance before specialised work is carried out are described according to workplace procedures.

## **Element 3: Demonstrate knowledge of protecting workers and the environment during cyanide handling and storage**

### **Performance Criteria**

- 3.1 Measures necessary for the elimination, reduction and control of potential cyanide exposure scenarios are outlined.
- 3.2 Quality control and quality assurance procedures, and spill prevention and spill containment measures, are interpreted.
- 3.2 Procedures relevant to maintain and control unloading, storage and mixing facilities are described.
- 3.3 Routine inspection and preventive maintenance procedures, including contingency plans to prevent or contain releases and control, and respond to worker exposures, are described.
- 3.4 Emergency response plans or procedures regarding worker exposure to cyanide are described.

## **Registration Data**

<b>Subfield:</b>	Metallurgy
<b>Date first registered:</b>	28 September 2016
<b>Date this version registered:</b>	28 September 2016
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<b>Body responsible for review:</b>	Namibia Training Authority