



**Australian Government**

# **UEERA0005 Apply safety awareness and legal requirements for ammonia refrigerant**

**Release: 1**

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## **Modification History**

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

## **Application**

This unit involves the skills and knowledge required to apply safety awareness and regulatory and industry standard requirements for ammonia refrigerant.

It includes safety and legal requirements when handling, using and storing ammonia refrigerant.

The skills and knowledge in this unit will be applied by those managing, supervising or working in or near a location that contains refrigeration equipment using ammonia refrigerant. These could include managers, supervisors, maintenance staff, cleaners, employees and refrigeration and air conditioning technicians.

Dangerous goods and work health and safety (WHS)/occupational health and safety (OHS) legislative requirements apply to this unit.

## **Pre-requisite Unit**

Not applicable.

## **Competency Field**

Refrigeration and air-conditioning

## **Unit Sector**

Electrotechnology

## **Elements and Performance Criteria**

### **ELEMENTS**

Elements describe the essential outcomes.

#### **1 Prepare to work with**

### **PERFORMANCE CRITERIA**

Performance criteria describe the performance needed to demonstrate achievement of the element.

#### **1.1 WHS/OHS requirements and workplace procedures for**

|  |   |
|--|---|
| <b>ammonia refrigerant</b>   | a given work area are identified and applied  |
|  | <b>1.2</b> Work area access permits are obtained from appropriate person/s in accordance with workplace procedures and legislative requirements   |
|  | <b>1.3</b> Electrical and non-electrical isolation are identified and carried out to prevent creation of hazards from loss of machine/system/process control in accordance with workplace procedures                                    |
|  | <b>1.4</b> Tools and equipment needed for the work are checked for safety and correct functionality in accordance with workplace procedures and regulatory requirements   |
| <b>2 Apply safe work practices to ammonia refrigerant</b>  | <b>2.1</b> Ammonia refrigerant workplace procedures, legislative requirements and work instructions for controlling risk are followed   |
|  | <b>2.2</b> Accidents, events, fires and emergencies are responded to in accordance with workplace procedures and legislative requirements within scope of own responsibility in a manner that minimises risk to personnel and equipment |
| <b>3 Follow workplace procedures for hazard identification and risk control of ammonia refrigerant</b> | <b>3.1</b> Ammonia refrigerant hazards are identified, risk assessed and control measures implemented and monitored through active participation in the consultation process with work supervisor and other person/s                    |
|  | <b>3.2</b> WHS/OHS incident records are completed in accordance with regulatory requirements and workplace procedures   |
|  | <b>3.3</b> Ammonia refrigerant workplace instructions and training are followed in accordance with workplace procedures   |

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work

environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Applying safety awareness and legal requirements for ammonia refrigerant must include the following:

- safe handling, storage and transport of ammonia refrigerant cylinders
- labelling requirement for ammonia refrigerant cylinders and systems containing ammonia refrigerant
- personal protective equipment (PPE) required for the safe handling of ammonia refrigerant

## Unit Mapping Information

This unit replaces and is equivalent to UEENEEJ178A Apply safety awareness and legal requirements for ammonia refrigerant.

## Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>