



Australian Government

AHCCHM304 Transport and store chemicals

Release: 3

AHCCHM304 Transport and store chemicals

Modification History

Release	Comments
Release 3	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.1.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to safely handle, transport and store chemicals.

The unit applies to individuals who work under broad direction and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems.

State or territory licensing, legislative or certification requirements apply in some jurisdictions.

Pre-requisite Unit

Nil

Unit Sector

Chemicals (CHM)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to handle and transport chemicals	1.1 Identify health and safety hazards, assess risks and implement controls according to workplace procedures 1.2 Ensure contact details for emergency services are available in

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	transport vehicle according to workplace procedures and transport regulations 1.3 Ensure transport vehicle complies with transport regulations 1.4 Ensure containers are secured, protected and in a condition to be safely transported according to workplace procedures, manufacturer instructions, legislative and regulatory requirements 1.5 Ensure emergency equipment and procedures are available in the vehicle according to workplace safety procedures and regulations 1.6 Ensure transport arrangements comply with legislative and regulatory requirements for the transport of hazardous substances and dangerous goods 1.7 Obtain and use safety data sheets (SDS) for chemicals to be transported according to health and safety in the workplace procedures and legislative and regulatory requirements
2. Handle and transport chemicals	2.1 Handle, transport and load chemicals according to chemical safety data information, chemical label, legislative and regulatory requirements 2.2 Carry out emergency procedures according to chemical label, SDS and workplace procedures 2.3 Report transport incidents according to workplace procedures and health and safety in the workplace regulations
3. Store chemicals in the workplace	3.1 Select, ensure serviceability, fit and use personal protective equipment according to SDS and chemical label instructions 3.2 Identify chemical storage requirements and store chemicals according to chemical label, safety data information and health and safety in the workplace procedures 3.3 Maintain storage area according to legislative and regulatory requirements, health and safety in the workplace and environmental procedures. 3.4 Dispose of chemicals and chemical waste according to chemical label instructions and environmental regulations 3.5 Monitor chemical expiration dates and dispose of expired chemicals according to chemical label instructions, workplace and legislative and regulatory requirements
4. Record storage details	4.1 Maintain register of stored chemicals and SDS according to

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	workplace procedures and legislative and regulatory requirements 4.2 Report storage incidents according to legislative and regulatory requirements and workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Read and interpret SDS, chemical labels, manufacturer instructions, operating instruction and other workplace documentation and consolidates information to safely transport and store chemicals
Writing	Accurately record and complete organisational records using clear language, correct spelling and terminology when completing transport and storage records
Numeracy	Perform mathematical calculations to determine chemical weights, volumes and quantities to determine handling and storage requirements
Navigate the world of work	- Take responsibility for following workplace policies, procedures and legislative and regulatory requirements - Identify and implement chemical label requirements for handling and storage
Get the work done	- Take responsibility for planning, sequencing and prioritising tasks required for chemical handling and storage activities - Address problems and initiate standard procedures in response to emergencies applying problem solving processes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCCHM304	AHCCHM304	Changes to	Equivalent unit

Transport and store chemicals Release 3	Transport and store chemicals Release 2	Performance Criteria for clarity. Consolidated where content duplicated. Updated Performance Evidence and Knowledge Evidence	
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Links

Companion Volumes, including Implementation Guides, are available at VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCCHM304 Transport and store chemicals

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that on at least one occasion the individual has demonstrated that they have safely transported and stored chemicals, including:

- identified health and safety hazards, assessed risks and implemented controls
- ensured emergency services contact details are available
- ensured transport vehicle meets regulations and that chemicals were loaded, secured and protected according to regulations and procedures
- ensured emergency equipment and procedures were available
- handled, transported and stored chemicals safely
- carried out emergency procedures safely and according to procedures
- maintained a chemical storage manifest and safety data sheets (SDS) according to legislative and regulatory requirements
- complied with chemical label instructions and SDS for transporting and storage of chemicals and legislative and regulatory requirements
- maintained inventory and records according to workplace procedures and legislative and regulatory requirements
- monitored chemical expiration and disposed of chemicals and waste according to workplace procedures and legislative and regulatory requirements.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- chemical labels and SDS their purpose, use and terminology, including:

- chemical signs, symbols and coding
- basic chemical properties and reactivity related to SDS and labels
- legislation and regulations that apply to transporting and storing chemicals, including:
 - transport vehicle requirements
 - information and documentation
 - dangerous and hazardous chemicals
 - placarding requirements
- risk factors including human and animal health and environmental
- processes and procedures for the disposal of excess, unwanted, expired chemicals and chemical waste including industry disposal programs
- health and safety in the workplace requirements including personal protective equipment (PPE) and manual handling
- emergency procedures for spills and accidents
- recording and monitoring of chemical stores including, expiration and disposal procedures.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a typical workplace environment or an environment that accurately represents workplace conditions
 - access to storage facility for chemicals
 - access to vehicle for transporting chemicals
- resources, equipment and materials:
 - chemicals
 - PPE
 - materials and equipment to handle, secure and protect chemical loads
- specifications:
 - specific workplace documents, including work instructions and procedures for chemical handling, storage and transport
 - chemical labels and safety data
 - legislation and regulations about handling, storage and transport of chemicals.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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