



Australian Government

Department of Education, Employment and Workplace Relations

TLID307E Handle dangerous goods/hazardous substances

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit involves the skills and knowledge required to handle dangerous goods and hazardous substances, including identifying requirements for working with dangerous goods and/or hazardous substances; confirming site incident procedures; and selecting handling techniques. Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Application of the Unit

This unit covers anyone working in the transport, warehousing, distribution and storage industries who may handle dangerous goods and/or hazardous substances.

Work must be carried out in compliance with the relevant Occupational Health&Safety (OH&S) regulations concerning the safe handling of dangerous goods and hazardous substances.

Work is performed under general supervision. It involves the application of the codes of practice and established procedures for the safe handling of dangerous goods and hazardous substances.

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Identify requirements for working with dangerous goods and/or hazardous substances	<ul style="list-style-type: none">1.1 Dangerous goods and/or hazardous substances are identified from information including class labels, manifests and other documentation1.2 Storage requirements for hazardous substances and/or dangerous goods are identified and applied1.3 Legislative requirements for hazardous substances and/or dangerous goods are known and used to plan work activities1.4 Handling procedures for different classes and characteristics of goods are observed1.5 Confirmation is sought from relevant personnel where dangerous goods or hazardous materials do not appear to be appropriately marked
2 Confirm site incident procedures	<ul style="list-style-type: none">2.1 Incident reporting processes are identified2.2 Emergency equipment is located and checked according to workplace procedures and statutory regulations2.3 Emergency procedures are identified and confirmed
3 Select handling techniques	<ul style="list-style-type: none">3.1 Load handling and shifting procedures are selected in accordance with identified requirements for particular goods3.2 Handling equipment is checked for conformity with workplace requirements and manufacturers guidelines3.3 Where relevant, suitable signage is checked for compliance with workplace procedures

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

Required knowledge:

All relevant regulations and codes concerning the handling of dangerous goods and hazardous substances

Application of relevant aspects of current Australian Dangerous Goods Code and relevant Australian Standards

Permit and licence requirements

Workplace procedures for handling and storing dangerous goods/hazardous substances

Problems that may arise during the handling of dangerous goods and hazardous substances and actions that should be taken to prevent or solve them

Risks when handling dangerous goods and hazardous substances and related precautions to control the risk

Equipment applications, capacities, configurations, safety hazards and control mechanisms

Housekeeping standards procedures required in the workplace

Required skills:

Communicate effectively with others when handling dangerous goods and hazardous substances

Read and interpret instructions, procedures, regulations, information and signs relevant to the handling of dangerous goods and hazardous substances

Identify containers and goods coding, markings and, where applicable, emergency information panels for the mode of transport storage selected

Interpret and follow operational instructions and prioritise work

Complete documentation related to work activities

Operate electronic communication equipment to required protocol

Work collaboratively with others when handling dangerous goods and hazardous substances

Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others

Promptly report and/or rectify any identified problems, faults or malfunctions that may occur when handling dangerous goods and hazardous substances in accordance with regulatory requirements and workplace procedures

Plan own work including predicting consequences and identifying improvements

Implement contingency plans for unanticipated situations that may arise when handling dangerous goods and hazardous substances

Recognise hazards and apply precautions and required action to minimise, control or eliminate hazards that may exist during the handling of dangerous goods and hazardous substances

Monitor work activities in terms of planned schedule

Modify activities depending on differing operational contingencies, risk situations and environments

Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment

Operate and adapt to differences in equipment in accordance with standard operating procedures

Select and use required personal protective equipment conforming to industry and OH&S standards

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of :

identifying dangerous goods/hazardous substances (from labels, International Maritime Dangerous Goods (IMDG) markings, HAZCHEM signs and other relevant identification criteria)

identifying and selecting the safely requirements for handling dangerous goods/hazardous substances

maintaining workplace records and documentation

determining (any) required permits

identifying job and site hazards and planning work to minimise risks

selecting appropriate equipment and work systems including personal protection equipment

estimating weight and dimensions of load and any special requirements

identifying and assessing handling and storage precautions and requirements for dangerous goods/hazardous substances

Context of and specific resources for assessment

Performance is demonstrated consistently over a period of time and in a suitable range of contexts

Resources for assessment include:

a range of relevant exercises, case studies and other simulated practical and knowledge assessment, and/or

access to an appropriate range of relevant operational situations in the workplace

In both real and simulated environments,

access is required to:

relevant and appropriate materials and/or equipment, and/or

applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

Method of assessment

Assessment of this unit must be undertaken by a registered training organisation

As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests

Practical assessment must occur:

through appropriately simulated activities at the registered training organisation, and/or

in an appropriate range of situations in the workplace

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

The dangerous goods may be handled in a range of work environments by day or night and may be:	<ul style="list-style-type: none">for short-term storagefor long-term storagein transit
Customers may be:	<ul style="list-style-type: none">internal or external
Workplace environment may include:	<ul style="list-style-type: none">movement of equipmentmovement of goodsmaterials and vehicular traffic
Requirements for work may include:	<ul style="list-style-type: none">site restrictions and proceduresuse of safety and personal protective equipmentcommunications equipmentspecialised lifting and/or handling equipmentincident breakdown proceduresauthorities and permitshours of operationsnoise restrictionsadditional gear and equipmentsegmentation proceduresemergency procedures, including response to spillage/leaks, evacuation and firefighting
Hazards may include:	<ul style="list-style-type: none">hazardous or dangerous materialscontamination of, or from, materials being handlednoise, light, energy sourcesstationary and moving machinery, parts or componentsservice linesspills, leakages, rupturesfire or ignition

	dust/vapours
Hazard management is:	consistent with the principle of hierarchy of control with elimination, substitution, isolation and engineering control measures being selected before safe working practices and personal protective equipment
Consultative processes may involve:	other employees and supervisors suppliers, potential customers and existing clients representatives of regulatory authorities with jurisdiction over OH&S, dangerous goods and hazardous substances management and union representatives industrial relations and OH&S specialists other maintenance, professional or technical staff
Personnel in the work area may include:	workplace personnel site visitors contractors official representatives
Identification of goods may be from:	material safety data sheets packaging labels manifests stock lists HAZCHEM interpretative advice
Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:	company procedures enterprise procedures organisational procedures established procedures
Personal protective equipment may include:	gloves safety headwear and footwear safety glasses mask and respirator protective clothing

Information/documents may include:

breathing apparatus

goods identification numbers and codes
manifests, stock lists, packaging labels, bar codes, stock lists

goods and container identification

workplace procedures and policies concerning the handling of dangerous goods and hazardous substances

supplier and/or client instructions

material safety data sheets (MSDS)

current Australian Dangerous Goods Code

HAZCHEM interpretative advice

relevant legislation, codes, regulations and related documentation concerning the handling of dangerous goods and hazardous substances

award, enterprise bargaining agreement, other industrial arrangements

standards and certification requirements

quality assurance procedures

emergency procedures pertaining to dangerous goods and hazardous substances

Applicable regulations and legislation may include:

relevant Australian and state/territory regulations relating to the handling of dangerous goods and hazardous substances

current Australian and international regulations and codes of practice for the handling and transport of dangerous goods and hazardous substances, including:

Australian and International Dangerous Goods Codes

Australian Marine Orders and the International Maritime Dangerous Goods Code

International Air Transport Association (IATA) Dangerous Goods by Air regulations

Australian and International Explosives Codes

all relevant Australian Standards
relevant state/territory OH&S legislation
workplace relations regulations
equal employment opportunity and
affirmative action legislation
equal opportunity legislation
relevant state/territory environmental
protection legislation

Unit Sector(s)

Not applicable.

Competency Field

D - Load Handling