

RTC1701A**Unit Descriptor****Unit Sector****Follow basic chemical safety rules**

Follow basic chemical safety rules

No sector assigned

ELEMENT**PERFORMANCE CRITERIA**

- | | |
|--|--|
| 1. Follow workplace requirements and instructions concerning chemicals | 1.1 Roles and responsibilities of people in the workplace are identified |
| | 1.2 Safety procedures involved in chemical handling and use are recognised and followed as required |
| | 1.3 Occupational health and safety hazards are identified and reported to the supervisor |
| | 1.4 Organisational procedures are followed with regard to chemicals |
| 2. Recognise risks associated with chemicals | 2.1 Functions of chemicals in the workplace are recognised |
| | 2.2 Chemical labels and symbols are recognised and hazards identified |
| | 2.3 Chemical storage locations are identified |
| | 2.4 Instructions for transport, handling and storage of chemicals are recognised and observed |
| | 2.5 Instructions for use, maintenance and storage of personal protective equipment and application equipment are identified and observed |
| 3. Follow chemical handling and storage rules | 3.1 Chemical handling and storage instructions on labels are followed |
| | 3.2 Safety rules are followed when working in areas where chemicals are stored |
| | 3.3 Appropriate personal protection equipment is obtained and used when working in areas where chemicals are stored |
| | 3.4 Procedures are followed in the event of an accident or spillage |

KEY COMPETENCIES

What processes should be applied to this competency standard? There are a number of processes that are learnt throughout work and life, which are required in all jobs. They are fundamental processes and generally transferable to other work functions. Some of these are covered by the key competencies, although others may be added. The questions below highlight how these processes are applied in this competency standard. Following each question a number in brackets indicates the level to which the key competency needs to be demonstrated where 0 = not required, 1 = perform the process, 2 = perform and administer the process and 3 = perform, administer and design the process.

Key Competency	Example of Application	Performance Level
Communicating ideas and information	Information about procedures or safety may be communicated in the workplace.	1
Collecting analysing and organising information	Information on labels and Material Safety Data Sheets (MSDSs) may be collected, analysed and interpreted.	1
Planning and organising activities	Organising activities may not be relevant to this standard.	-
Working with others and in teams	Working with others when dealing with chemicals.	1
Using mathematical ideas and techniques	Interpreting volumes and measurement requirements on labels may require mathematical ideas to be applied.	1
Solving problems	Action to take in the event of an accident or spillage may require problem solving.	1
Using technology	Using relevant personal protection equipment may require the use of technology.	1

RANGE STATEMENT

What roles and responsibilities may be relevant in the workplace with regard to chemicals?

Roles will include own role and may include the supervisor, farm manager, team leader, owner or external contractor, and external emergency contact organisations.

What safety procedures are relevant to this standard?

Safety procedures may include compliance with safety instruction on the label, information contained in Material Safety Data Sheets (MSDSs) such as use, maintenance and storage of personal protective equipment, first aid, systems of transport, storage and handling, procedures for the protection of environment and protection of others.

What organisational procedures are relevant to this standard?

Procedures must include storage, transport, mixing, loading, application, emergencies, recording, cleaning and disposal of chemicals.

What legislation and regulations are relevant to this standard?

Legislation may include Pesticides Acts, Occupational Health and Safety Acts and associated Hazardous Substances Regulations/ Codes of Practice, Dangerous Goods Acts, Poisons Act or Protection of the Environment Acts.

What personal protective equipment may be relevant to this standard?

Equipment may include hats, face shields, goggles, respirators, overalls, aprons, chemical resistant gloves and footwear.

What application equipment may be relevant to this standard?

Knapsacks or hand held pneumatic sprayers, drench guns and spot on applicators.

EVIDENCE GUIDE

What specific knowledge is needed to achieve the performance criteria?

Knowledge and understanding are essential to apply this standard in the workplace, to transfer the skills to other contexts and to deal with unplanned events. The knowledge requirements for this competency standard are listed below:

- Basic Occupational Health & Safety rules required to work near and around chemicals.
- Level of hazard and the Poisons Schedule in the relevant State or Territory.
- Chemicals being used for the control of pests and weeds.
- Personal protection equipment and when and how it should be used, stored and maintained.
- Correct wearing/fit of personal protective equipment.
- Environmental impacts of chemical use.

What specific skills are needed to achieve the performance criteria?

To achieve the performance criteria, appropriate literacy and numeracy levels as well as some complementary skills are required. These include the ability to:

- Communicate information about spillages, accidents or deficiencies in procedures and practice.
- Accurately interpret labels and instructions.
- Follow workplace instructions and directions from the chemical label or Material Safety Data Sheets (MSDSs).

Are there other competency standards that could be assessed with this one?

This competency standard could be assessed on its own or in combination with other competencies relevant to the job function.

Essential Assessment Information

There is essential information about **assessing this competency standard for consistent performance and where and how it may be assessed**, in the Assessment Guidelines for this Training Package. All users of these competency standards must have **access** to both the **Assessment Guidelines** and the relevant **Sector Booklet**.