



**Australian Government**

# **MSTGN3012 Work safely with chemicals in TCF operations**

**Release: 1**

# MSTGN3012 Work safely with chemicals in TCF operations

## Modification History

Release 1. Supersedes MSTGN2012 Work safely with chemicals in TCF operations.

## Application

This unit of competency describes the skills and knowledge required to handle and work with chemical substances and preparations that are used in sectors of the textile, clothing and footwear (TCF) industry. It includes cleaning chemicals and solvents commonly used in laundry operations and chemicals, dyes and other substances that are used in textile production.

This unit applies to all sectors of the TCF industry. While the unit of competency relates to safe practices for all chemical handling, and use of a range of chemical substances, the application of the unit and the evidence requirements may focus on one or more industry sectors or workplace contexts.

Work may be conducted in small to large scale enterprises and may involve individual and team activities. Work is performed within defined procedures under direct supervision.

Licensing, legislative or certification requirements to work safely with chemicals may apply in some contexts and users should check with relevant authorities.

## Pre-requisite Unit

Nil

## Competency Field

Generic

## Elements and Performance Criteria

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to use chemicals in TCF operations	1.1 Determine job and safe work requirements from work information 1.2 Access information on chemicals and substances used in TCF enterprises 1.3 Distinguish types of chemicals and preparations that require safe handling in own workplace 1.4 Identify personal responsibilities in working with chemicals 1.5 Interpret common terminology in safety data sheets (SDS) for

<b>Elements</b> <i>Elements describe the essential outcomes.</i>	<b>Performance Criteria</b> <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	chemicals used in cleaning, textile production or other application 1.6 Identify procedures for using chemicals in a safe and cost-effective manner
2. Identify chemical control measures	2.1 Identify location and storage conditions for substances and associated documentation 2.2 Differentiate between laundry and other chemicals, and identify risks associated with preparing and using chemicals 2.3 Identify risk control measures and special handling procedures for substances 2.4 Implement correct procedures for calculating quantities and measuring chemicals 2.5 Identify hazards associated with the handling and use of substances in the workplace and associated emergency procedures 2.6 Identify procedures that respond to environmental considerations
3. Apply safe handling of chemicals and solvents	3.1 Ventilate work area and eliminate ignition sources 3.2 Measure, handle and store chemicals in accordance with work health and safety practices and workplace procedures 3.3 Safely operate machinery and/or equipment associated with use of chemicals and solvents 3.4 Demonstrate procedures to act on accidents and emergencies for the specific chemical in use 3.5 Monitor and report chemical usage rates 3.6 Use personal protective equipment (PPE) in accordance with workplace procedures and work health and safety guidance material
4. Promote safe handling of chemicals	4.1 Maintain work area and dispose of chemicals in accordance with regulatory requirements, environmental considerations and SDS recommendations 4.2 Communicate with others about handling and storage of chemicals 4.3 Clear spillages in accordance with workplace procedures 4.4 Report work health and safety issues, faults or emergencies to relevant personnel 4.5 Complete required workplace documentation

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

- Reading skills to interpret chemical labels, warnings, and standard operating procedures (SOPs) and key requirements of industry standards
- Numeracy skills to interpret ratios and accurately measure and mix chemicals, using mL, L.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

## Unit Mapping Information

Release 1. Supersedes MSTGN2012 Work safely with chemicals in TCF operations.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>