



**Australian Government**

**Assessment Requirements for MSTGN3012  
Work safely with chemicals in TCF  
operations**

**Release: 1**

# Assessment Requirements for MSTGN3012 Work safely with chemicals in TCF operations

## Modification History

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

## Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- worked safely with 2 different chemicals typically used in own workplace, including:
  - identifying hazards and controlling risks for each chemical
  - locating and interpreting the safety data sheet (SDS) for each chemical
  - applying Australian or industry standards, relevant to job role and chemical used
  - measuring, handling, transferring, storing and disposing of each chemical safely and in accordance with regulatory requirements
- differentiated between toxic agents, corrosives, reactives, and flammables and combustible chemicals.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- key requirements of Australian Standards, industry regulations and codes of practice that govern the control of chemicals, relevant to the workplace (such as *Australian/New Zealand Standard™ AS/NZS 4146:2000 Laundry practice*, applicable to a laundry workplace)
- characteristics of different chemicals and solvents, toxic agents, corrosives, reactives, and flammables and combustibles, relevant to sector and workplace:
  - builder
  - caustic alkali
  - chlorine bleach
  - detergent
  - fabric conditioner
  - hydrocarbon
  - laundry sour
  - liquid silicon
  - oxybleach
  - perchlorethylene
  - starch

- white spirit
- characteristics of preparations used in textile production:
  - chemicals
  - cleaning agents
  - dyes
  - other liquid or particle additives used in textile production
  - solvents
  - substances used in the preparation of yarns or textile products for production processes
- workplace information, including:
  - SDS for hazardous substances in use
  - signage and labelling of chemicals
  - the meaning of common SDS terms
  - workplace procedures for using chemicals
- personal responsibilities in the control of chemicals in the workplace
- risks and hazards, including:
  - chemical fires
  - exposure to chemicals, other harmful substances, machinery and equipment
  - exposure to perchlorethylene, dyes or other cleaning chemicals via absorption, inhalation or ingestion
  - machine self-dosing failures
  - mixing of chemicals
  - spills and leaks in the workplace
- risk and hazard control measures:
  - chemical spill clean-up procedures
  - communication protocols
  - guards and safety devices
  - housekeeping
  - inspections
  - isolation procedures
  - traffic and pedestrian flow regulation
- appropriate storage conditions for chemicals, including:
  - containers used
  - labelling
  - organisation
  - security
  - temperature
- PPE relevant to job role and chemical used:
  - air-supplied or self-contained helmets
  - goggles or face shields

- respirators
- safety boots, gloves and appropriate clothes/garments
- risks associated with operating machinery or equipment that use chemicals
- safe disposal of relevant chemicals in accordance with regulatory requirements
- procedures for the safe and cost-effective measuring and mixing of chemicals and other agents
- workplace procedures for reporting emergencies or work health and safety issues, control of chemical spills and fires, hazard identification and control measures
- workplace reporting and documentation requirements.

## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - a textile clothing or footwear (TCF) production or processing environment set up with access to chemicals and relevant safety information and PPE for safe chemical use.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

## Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>