



Australian Government

Assessment Requirements for MSTGN2012 Work safely with chemicals in TCF operations

Release: 1

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Modification History

Release 1. Supersedes:

- LMTHL2004A Prepare chemicals to a formula
- LMTLA2001A Conduct safe handling of laundry chemicals
- LMTTX2015B Handle and prepare chemicals, dyes and other substances used in textile production

Not equivalent

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- identifying personal responsibilities in working with chemicals
- applying relevant Australian Standards to comply with job role and workplace requirements
- applying *AS/NZS 4146:2000 Laundry practice* (applicable to a laundry workplace)
- distinguishing types of chemicals and preparations that require safe handling in own workplace
- identifying risks and hazards, risks and using appropriate control measures
- differentiating between toxic agents, corrosives, reactives, and flammables and combustibles
- locating and interpreting safety data sheets (SDS) and other available safety information on identified chemicals
- identifying and applying procedures for responding to accidents and incidents
- using personal protective equipment (PPE)
- measuring, handling, transferring, storing and disposing of chemicals safely and with respect to environmental considerations
- communicating and recording accurate information.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of PPE
- Australian Standards, industry regulations and codes of practice that govern the control of chemicals in the identified workplace
- *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, such as:
 - perchlorethylene
 - white spirit
 - hydrocarbon
 - liquid silicon
 - detergent
 - chlorine bleach
 - oxybleach
 - builder
 - starch
 - fabric conditioner
 - laundry sour
 - caustic alkali
- characteristics of preparations used in textile production, such as:
 - dyes
 - chemicals
 - cleaning agents
 - solvents
 - substances used in the preparation of yarns or textile products for production processes
 - other liquid or particle additives used in textile production
- workplace information, such as:
 - SDS for hazardous substances
 - the meaning of common SDS terms
 - workplace procedures
 - signage and labelling
 - verbal instruction
- personal responsibilities in the control of chemicals in the workplace
- risks and hazard, such as:
 - mixing of chemicals
 - spills and leaks in the workplace
 - chemical fires
 - exposure to perchlorethylene, dyes or other cleaning chemicals via absorption, inhalation or ingestion
 - exposure to chemicals, other harmful substances, machinery and equipment including:
 - load shifting equipment, such as overhead cranes and forklifts
 - production machinery and equipment
 - inflammable materials and fire hazards
 - manual handling of materials and equipment
 - waste management and disposal

- extremes in weather conditions
- variations in lighting levels
- a range of floor surfaces
- water hazards
- accidents
- traffic flow, vehicle and equipment operation
- a range of storage areas
- storage conditions, such as:
 - temperature
 - security
 - labelling
 - organisation
 - containers used
- PPE relevant to workplace and job role:
 - goggles or face shields
 - respirators
 - air-supplied or self-contained helmets
 - safety boots, gloves and appropriate clothes/garments
 - risks associated with operating machinery or equipment that use chemicals
 - risk and hazard control measures, such as:
 - isolation procedures
 - guards and safety devices
 - traffic and pedestrian flow regulation
 - inspections
 - housekeeping
 - communication protocols
- procedures for the safe and cost-effective measuring and mixing of chemicals and other agents
- personal responsibilities, such as:
 - following WHS procedures
 - following workplace procedures
 - following environmental procedures
 - reporting incidents
 - using PPE
- common SDS terminology used in sector application
- workplace procedures for reporting emergencies or WHS issues, control of chemical spills and fires, hazard identification and control measures
- reporting and documentation requirements.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in working safely with chemicals in TCF operations, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.
- The unit is applicable to all TCF sectors and assessment must ensure it is delivered to suit the industry it is being applied to.

Links

Companion Volume implementation guides are found in VETNet -

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