



Australian Government

Department of Education, Employment and Workplace Relations

LMTTX2015B Handle and prepare chemicals, dyes and other substances used in textile production

Release: 1

LMTTX2015B Handle and prepare chemicals, dyes and other substances used in textile production

Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the knowledge and skills to handle and prepare chemicals, dyes and other substances used in textile production.

Application of the Unit

Application of the Unit

The unit covers the application of safety and operational procedures to access and prepare chemicals, dyes and other substances be used in textile production. Preparation may require measuring, mixing and storing according to the needs of the operation. Work may require some judgement.

Work may include a variety of environments such as operational workplaces, restricted spaces, hazardous, controlled or exposed conditions and day or night operations.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control, and recycling

This unit requires the application of skills associated with planning and organising for the safe and efficient handling and preparation of chemicals, dyes and substances. This unit also requires problem solving ability to identify and act on risks and hazards.

Communication skills are required to use work and safety information and complete workplace documentation. Self management skills are applied to ensure workplace and quality standards are achieved.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Identify storage procedures for substances	1.1 Location and storage conditions for substances are identified. 1.2 Storage and access documentation requirements are identified. 1.3 Workplace practices for accessing stored substances are identified. 1.4 Housekeeping requirements for stored substances are identified.
2 Identify hazards and risk control measures associated with substances	2.1 Hazards associated with the handling and uses of substances used in the workplace are identified. 2.2 Emergency procedures for workplace are identified. 2.3 Risk control measures associated with substances are identified. 2.4 Personal protective equipment to be used when working with substances is identified. 2.5 Special handling procedures for substances are identified.
3 Prepare substances	3.1 Substances required for production processes are identified. 3.2 Specifications for required substances are identified. 3.3 Mixing or preparing procedures are confirmed. 3.4 Substances are prepared according to OHS practices . 3.5 Substances are directed to next process. 3.6 Spillages or incidents are reported to appropriate personnel .
4 Store substances	4.1 Substances are stored according to storage requirements. 4.2 Required documentation is completed. 4.3 Spillages are cleared according to workplace practices and housekeeping requirements completed.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level

Demonstrates knowledge of:

- production processes and procedures for using substances
- location of materials, equipment and designated work areas for working with substances
- workplace emergency and evacuation procedures
- the meaning of OHS signs and symbols
- workplace reporting procedures in regard to risks, hazards and accidents
- quality standards and practices
- location and use of necessary safety equipment, including personal protective equipment
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- carry out measurements
- identify and apply risk control measures
- identify and report workplace hazards
- follow OHS practices for accidents and emergency situations
- read, interpret and follow information on work specifications, standard operating procedures and work instructions, and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence to be considered	Demonstrates skills and knowledge to: • recognise and report hazards to designated personnel • accurately follow workplace procedures relevant to handling and preparing substances in the workplace • communicate about hazards and risks in the workplace.
Consistency in performance	Consistently applies skills and knowledge when: • organising work • completing tasks according to instructions • working systematically with attention to detail • identifying improvements and avoiding damage • using workplace practices • using OHS practices • recording and reporting accidents and incidents • assessing operational readiness of equipment • recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment.
Interdependent assessment	This unit may be assessed independently or in combination with other relevant units.

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. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements	All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.
Substances may include	• 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
Storage conditions may include	• temperature • security • labelling • organisation • containers used
Hazards may include	• exposure to chemicals, other harmful substances, machinery and equipment including: • chemicals, dangerous or other hazardous substances • load shifting equipment such as overhead cranes, 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
Risk control measures may include	• isolation procedures • guards and safety devices • traffic and pedestrian flow regulation • inspections • housekeeping

Personal protective equipment may include	• goggles or face shields • respirators • air-supplied or self-contained helmets • safety boots, gloves and appropriate clothes/garments
OHS practices	OHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may relate to: • manual handling techniques • standard operating procedures • personal protective equipment • safe materials handling • taking of rest breaks • ergonomic arrangement of workplaces • following marked walkways • safe storage of equipment • housekeeping • reporting accidents and incidents • environmental practices
Appropriate personnel may include	• workplace personnel • supervisors • OHS representatives

Unit Sector(s)

Sector	Textile Production
---------------	--------------------