

40026**Use hazardous materials safely in an industrial textile fabrication or trimming workplace**

Kaupae Level	3
Whiwhinga Credit	6
Whāinga Purpose	<p>This skill standard is intended for people who want to learn how to use adhesives, solvents, and sealants, and to safely store and dispose of hazardous materials used in an industrial textile fabrication or trimming workplace.</p> <p>This skill standard may be used in programmes leading to qualifications and micro-credentials at Level 3 and above in an Industrial Textile Fabrication discipline.</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Describe the relevant legislation, and procedures used for the safe use, storage and disposal of hazardous materials used in an industrial textile fabrication or trimming workplace.	a. Identify the legislation relating to the usage, storage and disposal of hazardous waste materials.
	b. Explain the relevance of Material Safety Data Sheets (MSDS).
	c. Identify the key hazardous materials used, and describe their purpose and storage.
	d. Identify the hazards associated with using and storing key hazardous materials.
	e. Explain the safe working practices used to eliminate or minimise hazards.
	f. Describe the hazardous waste materials emergency handling procedures.
	g. Describe the procedures for safely disposing of hazardous waste.
	h. Identify the effects of hazardous waste materials on the environment.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
2. Identify and describe the types of adhesives and solvents used in an industrial textile fabrication or trimming workplace.	a. Identify the types of solvents, used and describe their uses and the procedures for safe handling and application.
	b. Identify the types of adhesives, used and describe their uses and the procedures for safe handling and application.
	c. Explain the principles of how adhesives cure.
	d. Describe the tools used to apply adhesives.
3. Apply adhesives and solvents in accordance with job requirements.	a. Select the appropriate solvent and apply it safely and correctly to prepare a surface.
	b. Select the appropriate tool, and apply the adhesive safely and correctly.
4. Apply sealants in accordance with job requirements.	a. Identify the sealants used, and describe their uses and the procedures for safe handling and application.
	b. Describe the tools used to apply sealants.
	c. Prepare a surface, select the appropriate sealant and tools for application, and apply the sealant safely and correctly.
5. Store and safely dispose of hazardous materials used in an industrial textile fabrication or trimming workplace.	a. Store hazardous materials in correct storage areas.
	b. Dispose of hazardous materials safely.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications

The evidence presented for assessment against this skill standard must be consistent with safe working practices and be in accordance with applicable workplace requirements, industry guidelines, legislative requirements, Material Safety Data Sheets (MSDS) and manufacturer's instructions.

Evidence must be provided of:

- Knowledge, application and disposal of two different solvents.
- Knowledge, application and disposal of two different adhesives.
- Knowledge, application and disposal of two different sealants.

Definitions

Industry guidelines – those practices and procedures commonly used as standard procedures to produce items of acceptable saleable quality in the industrial textile fabrication and trimming industry such as related textbook descriptors.

Manufacturer's information – technical information for a machine or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

MSDS (Material Safety Data Sheet) – A technical document providing comprehensive information about a controlled product. This information includes the potential health effects of product exposure, hazards related to handling, storage or use, how to protect workers, and emergency protocol.

Workplace requirements – instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

Legislation and regulations

- Website: <https://www.worksafe.govt.nz/>
- Managing Hazardous substances
- Safety data sheets
- Risk management
- Effects of hazardous waste materials on the environment, such as on people, ozone layer, plants and waterways.

Types of hazardous materials and their properties

- Types of solvents, such as prepsol, thinners, methylated spirits.
- Types of adhesives, such as contact glue, epoxy, two-pack glue.
- Types of sealants, such as waterproofing agents, silicone, polyurethane, butyl.
- Curing, such as air cure, heat reactivated cure, chemical reaction cure.

Tools

- Tools for application of adhesives, such as brush, roller, spreader, spray gun, aerosol
- Tools for application of sealants, such as brush, roller, caulking gun.

Rauemi | Resources

Legislation, regulations and/or industry standards

Legislation, regulations and/or industry standards relevant to this skill standard include but are not limited to:

Health and Safety at Work Act 2015

Hazardous Substances and New Organisms Act 1996

Health and Safety at Work (Hazardous Substances) Regulations 2017

Resource Management Act 1991

Lead Process Regulations 1950

Spray Coating Regulations 1962

Approved Code of Practice for the Safe Use of Isocyanates 1994

Local body regulations relating to the storage and use of hazardous materials.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this skill standard will take precedence for assessment purposes, pending review of this skill standard.

Legislation can be accessed at: <https://www.legislation.govt.nz>.

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Manufacturing > Industrial Textile Fabrication and Trimming > Industrial Textile Fabrication Core Skills
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0014

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	30 May 2024	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standards 23504 and 23505.		
Rā arotake Planned review date	31 December 2029		

Please contact Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council at qualifications@hangaarorau.nz if you wish to suggest changes to this skill standard.