

<b>Title</b>	<b>Demonstrate knowledge of adhesives, sealants, solvents and hazardous materials used in industrial textile fabrication</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of adhesives, sealants and waterproofing agents, solvents, and hazardous materials used in industrial textile fabrication.
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<b>Classification</b>	Industrial Textile Fabrication > Industrial Textile Fabrication Core Skills
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 It is recommended that people hold credit for Unit 21718, *Demonstrate knowledge of hazardous materials used in the motor industry*, before being assessed against this unit standard.
- 2 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's information, company requirements, industry guidelines and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 3 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the 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; and any subsequent amendments and replacements.
- 4 **Definitions**  
*Company requirements* refers to 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.  
*Industry guidelines* refers to those practices and procedures commonly used as standard procedures to produce items of acceptable merchantable quality in the industrial textile fabrication industry such as related textbook descriptors.  
*Manufacturer's information* may include – technical information for a machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of adhesives used in industrial textile fabrication.

#### Performance criteria

1.1 Types of adhesives and their uses are described.

Range double sided tape, contact adhesives, heat reactivated adhesives, spray adhesives, seaming tape.

1.2 Principle of how adhesives cure is explained.

### Outcome 2

Demonstrate knowledge of sealants and waterproofing agents used in industrial textile fabrication.

#### Performance criteria

2.1 Sealants and waterproofing agents and their uses are identified.

2.2 Storage procedures for sealants and waterproofing agents are described.

### Outcome 3

Demonstrate knowledge of solvents used in industrial textile fabrication.

#### Performance criteria

3.1 Solvents and their uses are described.

Range evidence of three solvents is required.

3.2 Storage procedure for solvents is described.

### Outcome 4

Demonstrate knowledge of hazardous materials used in industrial textile fabrication.

#### Performance criteria

4.1 Hazardous materials, their purpose and storage area are identified.

Range hazardous materials may include – chemicals, solvents, adhesives, cleaning materials, acids;  
storage areas may include – sealed cabinets in the workshop, separate storage areas in the workplace.

- 4.2 Hazards when using and storing hazardous materials are identified.
- Range may include – fire, fumes, toxic dust, spontaneous combustion, contamination.
- 4.3 Safe working practices when using, handling and storing hazardous material are described.
- Range material safety data sheets, labelling.
- 4.4 Procedures that will enable hazardous waste to be disposed of safely are described.
- Range evidence of two procedures is required.
- 4.5 Legislation relating to the usage, storage and disposal of hazardous waste materials is identified.
- 4.6 The effects of hazardous waste materials on the environment are identified.
- Range people, ozone layer, plants, waterways.
- 4.7 Hazardous waste materials emergency handling procedures are identified.

<b>Replacement information</b>	This unit standard and unit standard 23505 were replaced by skill standard 40026.
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	26 March 2007	31 December 2020
Rollover	2	27 January 2015	31 December 2020
Review	3	28 February 2019	31 December 2026
Review	4	30 May 2024	31 December 2026

<b>Consent and Moderation Requirements (CMR) reference</b>	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.