

<b>Title</b>	<b>Demonstrate knowledge of hazardous materials used in the automotive industry</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of materials that constitute hazardous waste, and of using and storing hazardous materials in the automotive industry.
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<b>Classification</b>	Motor Industry > Automotive Workshop Engineering
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe work practices and be in accordance with applicable service information, and company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard may include:
  - Health and Safety at Work Act 2015;
  - Hazardous Substances and New Organisms Act 1996;
  - Resource Management Act 1991;
  - Lead Process Regulations 1950;
  - Spray Coating Regulations 1962;
  - *Approved Code of Practice for the Safe Use of Isocyanates* available from [Safe use of isocyanates | WorkSafe](#);
  - Local body regulations relating to the storage and use of hazardous materials; and any subsequent amendments and replacements.
- 3 Definitions
 

*Company requirements* refer 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.

*Service information* refers to information such as technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

*Suitable tools and equipment* refer to industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe work practices.

#### 4 Range

Assessment for this unit standard requires evidence for 8 of – paint materials, chemicals, solvents, petrol/oil, adhesives, cleaning materials, rags, masking materials, plastic materials, chlorofluorocarbons (CFCs), air bag, acids, anti-freeze.

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## Outcomes and performance criteria

### Outcome 1

Identify materials that constitute hazardous waste in the automotive industry.

#### Performance criteria

- 1.1 Hazardous materials are identified.
- 1.2 Purpose of hazardous materials is identified.
- 1.3 Product manufacturer's specifications and instructions that will enable the materials to be handled and stored safely are identified.
- Range material safety data sheets, labelling.
- 1.4 The effects of hazardous waste materials on the environment are identified.
- Range people, ozone layer, plants, waterways.
- 1.5 Hazardous waste materials emergency handling procedures are identified.

### Outcome 2

Demonstrate knowledge of using and storing hazardous materials in the automotive industry.

#### Performance criteria

- 2.1 Hazards when using and storing hazardous materials are identified.
- Range may include – fire, fumes, toxic dust, spontaneous combustion, contamination.
- 2.2 Storage areas for hazardous materials are identified for the materials being stored.
- Range may include – dangerous goods store, sealed cabinets in the workshop, separate storage areas in the workplace.
- 2.3 Safe working practices when using and storing hazardous material are described.

2.4 Procedures that will enable hazardous waste to be disposed of are described.

Range may include – paint materials, chemicals, solvents, lead dust, masking materials, plastic materials, filler dust.

2.5 Legislation dealing with the usage, storage, and disposal of hazardous waste materials is identified.

<b>Replacement information</b>	This unit standard and unit standard 21700 replaced unit standard 16097.
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<b>Planned review date</b>	31 December 2026
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 July 2005	31 December 2018
Review	2	21 April 2016	31 December 2023
Review	3	24 March 2022	N/A

<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>.

#### Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.