

Title	Transport bulk non-flammable liquids by road		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: prepare for a trip to transport bulk non-flammable liquids by road; load the vehicle; drive the vehicle; unload the vehicle at the customer's site; and describe actions to be taken in the event of mishaps.
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Classification	Commercial Road Transport > Goods Service
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Available grade	Achieved
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Guidance Information

- Acts and Rules to be complied with include:
Resource Management Act 1991;
Health and Safety at Work Act 2015;
Land Transport Act 1998;
Land Transport (Driver Licensing) Rule 1999;
Land Transport Rule: Dangerous Goods 1999;
Food Act 2014.
- Any new, amended, or replacement Acts, regulations, Rules, standards, codes of practice, or Waka Kotahi NZ Transport Agency requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- Definitions
Organisational requirements include any legal requirements, standards, codes of practice, organisational and/or site policies and procedures, industry best practice, and manufacturers' instructions. These must be available to candidates, providers, and assessors.
Special driving techniques include accelerating slowly, avoiding braking in turns, avoiding heavy braking, and turning at safe speeds for the load. This is to minimise surge of the liquid load.

Outcomes and performance criteria

Outcome 1

Prepare for a trip to transport bulk non-flammable liquids by road.

Performance criteria

- 1.1 Bulk non-flammable liquid to be carried is identified.
- 1.2 Vehicle tank is prepared to meet customer and organisational requirements for the product to be carried.
- Range must include – rinse, and one of – wash, wash and dry.
- 1.3 Cleaning waste is disposed of in accordance with local authority requirements.
- 1.4 Cleaning is undertaken in accordance with organisational and to meet customer requirements.
- Range may include – use of steps, ladders, handrails, and protective clothing.
- 1.5 Vehicle hygiene is maintained in accordance with organisational requirements.
- 1.6 Equipment to be used for loading and unloading is selected to be compatible with vehicle, organisational requirements, and customer facilities.
- 1.7 Loading preparations are undertaken to be consistent with organisational requirements and customer documentation for bulk non-flammable liquid product type and quantity and loading and delivery instructions.

Outcome 2

Load the vehicle to transport bulk non-flammable liquids by road.

Performance criteria

- 2.1 Products are segregated into compartments, where necessary, in accordance with organisational and customer requirements.
- 2.2 Load volumes and distribution are checked to ensure they are within legal tolerances for the vehicle's axle and gross loadings.
- 2.3 Product quantity and quality are checked in accordance with organisational and to meet customer requirements.
- 2.4 Loading hygiene is maintained in accordance with legal and organisational requirements.
- Range no spillages or pollution; connections, valves and lids secured.
- 2.5 Loading is completed safely in accordance with organisational requirements.
- Range may include – use of ladders, steps and handrails, security of connections, wearing of safety footwear and clothing.

Outcome 3

Drive the vehicle to transport bulk non-flammable liquids by road.

Performance criteria

- 3.1 Vehicle is driven to the delivery site in accordance with legal requirements and the special driving techniques required for the type of bulk non-flammable liquid.

Outcome 4

Unload the vehicle at the customer's site.

Performance criteria

- 4.1 Vehicle is positioned at the specified location to maximise safety and convenience.
- 4.2 Products are segregated in accordance with organisational requirements.
- 4.3 Unloading hygiene is maintained in accordance with organisational requirements.
- Range no spillages or pollution.
- 4.4 Product is unloaded safely in accordance with organisational requirements.
- Range may include – use of ladders, steps and handrails, security of connections, wearing of safety footwear and clothing.
- 4.5 Unloaded product quantity and quality are checked in accordance with organisational and to meet customer requirements.
- 4.6 Delivery documentation is completed in accordance with organisational and customer requirements.

Outcome 5

Describe actions to be taken in the event of mishaps.

Performance criteria

- 5.1 Actions taken in the event of mishaps at company site, customer site, and on the road are described in accordance with legal and organisational requirements.
- Range leaks, spillages, crashes.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	9 April 1996	31 December 2022
Review	2	25 May 1999	31 December 2022
Review	3	22 March 2005	31 December 2022
Review	4	29 April 2021	N/A

Consent and Moderation Requirements (CMR) reference	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 MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.