

Title	Describe cleaning agents used to clean milk tankers in a dairy processing operation		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: describe uses and properties of cleaning chemicals, and handling and storage of cleaning chemicals, used to clean milk tankers, in a dairy processing operation.
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Classification	Dairy Processing > Milk Processing
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Available grade	Achieved
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Guidance Information

- 1 Legislation and regulations relevant to this unit standard include but are not limited to:
 - Health and Safety at Work Act 2015;
 - Animal Products Act 1999;
 - Animal Products (Dairy) Regulations 2005; and any subsequent amendments.
- 2 Definitions

Organisational requirements – instructions to staff on policies and procedures which are documented in memo, electronic or manual format and are available in the workplace. These requirements include but are not limited to – site specific requirements, manufacturer’s specifications and legislative requirements.

Safety data sheets – information sheets on safe handling and storage of hazardous substances.

Outcomes and performance criteria

Outcome 1

Describe uses and properties of cleaning chemicals used to clean milk tankers in a dairy processing operation.

Performance criteria

- 1.1 Describe uses of cleaning chemicals in terms of their application for soil removal and hygiene control.

Range cleaning chemicals include but are not limited to – acids, alkalis, detergents, sanitisers.

1.2 Describe properties of cleaning chemicals in terms of their effectiveness in removing soil.

Range properties include but are not limited to – pH, wettability, protein solvency, action on mineral deposits, reaction temperature range.

Outcome 2

Describe handling and storage of cleaning chemicals used to clean milk tankers in a dairy processing operation.

Performance criteria

2.1 Describe safety data sheets in terms of their purpose and type of information provided.

2.2 Describe the process of handling cleaning chemicals safely to protect self and others from harm through contact absorption, ingestion and inhalation in terms of organisational requirements.

Range protection processes include but are not limited to – use of safety equipment and protective clothing; safe handling processes may include but are not limited to – dispensing, dilution, transport of chemicals, non-mixing of chemicals, location and use of eye wash stations and showers, chemical storage, chemical spills; evidence of two processes is required.

2.3 Describe the process of storing chemicals safely in terms of organisational requirements.

Range chemicals include but are not limited to – acids, alkalis, detergents.

2.4 Describe the procedure for dealing with cleaning chemical hazards in terms of safety data sheets and/or site chemical handling requirements.

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	21 July 2011	31 December 2016
Review	2	18 June 2015	31 December 2024
Review	3	27 May 2021	N/A
Revision	4	26 January 2023	N/A

Consent and Moderation Requirements (CMR) reference	0022
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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 the Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.