

Preparation Date: 11-Jul-2018
Revision Number: 0.1
Revision Date: 15-Oct-2024
Date of Next Revision: 14-Oct-2029

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name Triple Clean
Item#: NZ0018
Recommended use
Uses advised against Restricted to professional users

Supplier DeLaval Ltd,
82 Greenwood street,
Hamilton
New Zealand

Telephone Number (07) 849-6020
(8am - 4:30pm Mon-Fri)

Emergency Telephone Number 0800 764 766 (National Poison Centre)
0800 243 622 CHEMCALL

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture according to GHS

Skin corrosion/irritation - Category 2
Serious eye damage/eye irritation - Category 1
Skin sensitization - Category 1
Chronic aquatic toxicity - Category 2

2.2. Label Elements

Hazard Pictogram(s)



Signal word DANGER

Hazard Statements H315 - Causes skin irritation
H318 - Causes serious eye damage
H317 - May cause an allergic skin reaction
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements P102 - Keep out of reach of children
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash hands and face thoroughly after handling
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P272 - Contaminated work clothing should not be allowed out of the workplace
 P273 - Avoid release to the environment
 P317 - Get medical help
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
 P305 + P354 + P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P333 + P317 - If skin irritation or rash occurs: Get medical help
 P321 - Specific treatment (see product label)
 P362 + P364 - Take off contaminated clothing and wash it before reuse
 P391 - Collect spillage
 P501 - Dispose of contents/container in accordance with local regulations

Contains

Ethanol, 2,2'-iminobis-, N-coco alkyl derivatives

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Polyalkylene oxide derivate of a synthetic alcohol	103818-93-5	1 - 10%
Ethanol, 2,2'-iminobis-, N-coco alkyl derivatives	61791-31-9	1 - 10%
Alkylbenzyltrimethylammonium chloride	68391-01-5	1 - 10%
D-Limonene	5989-27-5	0 - 1%

4. FIRST AID MEASURES

Workplace Facilities

Eyewash bottle with clean water

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
 Call a physician immediately.

Skin contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
 Rinse skin with water/shower
 Remove and wash contaminated clothing before re-use
 Get medical attention if irritation develops and persists

Inhalation

Move to fresh air
 Remove person to rest.
 Get medical attention if symptoms occur

Ingestion

Do not induce vomiting. Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention. If a person vomits when lying on his back, place him in a stable position, lying on one side.

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Hazchem Code

2X

Flammable Properties

The product is not flammable.

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Water spray. Water fog. Foam. Dry chemical.

Carbon dioxide (CO₂). Cool containers / tanks with water spray.

Unsuitable Extinguishing Media No information available.

Specific hazards arising from the chemical Keep product and empty container away from heat and sources of ignition.

Protective Equipment and Precautions for Firefighters In the event of fire, wear self contained breathing apparatus. Move containers from fire area if you can do it without risk. Keep people away from and upwind of spill/leak. Avoid dispersal of spilt material into waterways, drains, and sewers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Keep unnecessary personnel away. Avoid inhalation of vapors and mist.

Environmental Precautions Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product.

Storage Keep container tightly closed. Keep in a dry, cool and well-ventilated place. Keep away from food, drink, and animal feedstuffs. Site Signage will be required when quantities exceed 1000L .

Type of Container/Package Store in original container

Handle and store according to AS/NZS Standards and the Responsible Care Management Systems: Managers Handbook.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Provide adequate general and local exhaust ventilation. Use only with adequate ventilation to keep exposures below recommended exposure limits.

Personal Protective Equipment

Eye/face Protection Tightly fitting safety goggles. Refer to Australian and New Zealand standard AS/NZS 1336 for protective equipment.

Skin Protection Long sleeved clothing, Refer to Australian and New Zealand standard AS/NZS 4501 for protective equipment

Hand Protection	Protective gloves PVC Refer to Australian and New Zealand standard AS/NZS 2161 for protective equipment.
Respiratory Protection	In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Refer to Australian and New Zealand standard AS/NZS 1715 and 1716 for protective equipment.

General Hygiene Considerations

Keep away from food, drink, and animal feeding stuffs. When using, do not eat, drink, or smoke. Contaminated work clothing should not be allowed out of the work place. Avoid contact with skin, eyes, and clothing. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow
Physical state	Liquid
Odor	Lemon
pH	6-8
Vapor Pressure	No data available
Vapor Density	No data available
Flash Point	Not applicable
Autoignition Temperature	No data available
Upper flammability limit:	Non-flammable
Lower flammability limit:	Non-flammable
Boiling Point/Range	~ 100 °C
Freezing Point/Range	~ 0 °C
Melting Point/Range	~ 0 °C
Water Solubility	Soluble in water (25°C)
Solubility	No information available
Solubility in other solvents	No data available
Specific Gravity	1.0 g/cm ³
Kinematic viscosity	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	strong oxidizing agents
Hazardous decomposition products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Inhalation No information available.
Eye contact No information available.
Skin contact No information available.
Ingestion No information available.

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol, 2,2'-iminobis-, N-coco alkyl derivatives	16000 mg/kg (Rat)		4.9 mg/l (Fish, 96 h)
Alkylbenzyltrimethylammonium chloride	850 mg/kg (Rat)	2300 mg/kg (Rabbit)	
D-Limonene	= 5200 mg/kg (Rat) = 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	

Irritation Causes skin irritation
Corrosivity Risk of serious damage to eyes.
Sensitization May cause sensitization by skin contact.
Mutagenic effects No information available.
Carcinogenicity There are no known carcinogenic chemicals in this product.

Chemical name	D-Limonene
IARC	Group 3

Reproductive Effects No information available.
Developmental Effects No information available.
STOT - single exposure No information available
STOT - repeated exposure No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Ecotoxicity effects Very toxic to aquatic life with long lasting effects

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Ethanol, 2,2'-iminobis-, N-coco alkyl derivatives	EC50= 5.6 mg/l (72h)	LC50= 4.9 mg/l (96h)		EC50= 3.2 mg/l (48h)
D-Limonene		LC50 = 33mg/kg (96h)		

Persistence and degradability No information available

Bioaccumulation/Accumulation No information available.

Mobility soluble in water

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of contents/container in accordance with local regulation. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Avoid contamination of any water supply with product or empty packaging. Do not allow the product to be released into the environment. Do not contaminate ponds, waterways or ditches with chemical or used containers.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

UN-No	3082
Proper Shipping Name	3082 - Environmentally hazardous substance, liquid, n.o.s (Benzalkonium Chloride D-Limonene)
Hazard Class	9
Packing Group	III
Special Provisions	IMDG: EmS: F-A, S-F Limited Quantities : 5L
Environmental hazard	Environmental hazard
Marine Pollutant:	Y.
Hazchem Code	2X

15. REGULATORY INFORMATION

ERMA NZ Registration Number HSR002530

ERMA Group Standard Cleaning Products (Subsidiary Hazard) Group Standard 2017

ERMA Reference ERMA User Guide to the HSNO Controls, which links to the Hazardous Substances Regulations 2001

Other information	Compliance Certificate	N/A
	Certified Handler	N/A
	Quantity to be secured when unattended	N/A
	Emergency Response Plan	1,000L
	Secondary Containment	1,000L
	Signage	1,000L

This substance is not required to be Tracked.

All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

16. OTHER INFORMATION

Prepared By	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
Preparation Date:	11-Jul-2018
Revision Number:	0.1
Revision Date:	15-Oct-2024
Date of Next Revision:	14-Oct-2029
Reason for revision	Classification according to Hazardous Substances (Hazardous Classification) Notice 2020
References	<ul style="list-style-type: none">- Hazardous Substances (Hazardous Classification) Notice 2020- Hazardous substances (Labelling) Notice 2017- Hazardous Substances (Safety Data Sheets) Notice 2017- GHS8- European Agreement concerning the International Carriage of Dangerous Goods by Road- New Zealand Workplace Exposure Standards (WES)- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans- Chemical Classification and Information Database (CCID)

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of SDS