



# MATERIAL SAFETY DATA SHEET

## Triple Clean

Issue date: 11 July 2018      Revision 1: 23 October 2019      Review date: 23 October 2024

### **SECTION 1: SUBSTANCE IDENTIFICATION AND SUPPLIER**

Product name:                      TRIPLE CLEAN NZ0018

Recommended Use:

Uses advised against:            Restricted to professional users.

Company identification Address:

1229 Maraekakaho Road  
Hastings 4175  
New Zealand  
Phone (06) 873 3611

Poisons Information Centre: 0800-764-766  
Or CHEMCAL 0800-243-622 24hr emergencies only

### **SECTION 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  
Ecotoxic to terrestrial vertebrates - Category 3

HSNO Classifications:            6.3A Substances that are irritating to the skin  
8.3A Substances that are corrosive to the eye  
6.5B Substances that are contact sensitizers  
9.1B Substances that are ecotoxic to aquatic environment  
9.3C Substances that are harmful to terrestrial vertebrates

- 2.1            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  
H433 - Harmful to terrestrial vertebrates

Precautionary statements:

P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children

P103 - Read label before use  
 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  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P310 - Immediately call a POISON CENTER/doctor.  
 P362 - Take off contaminated clothing and wash before reuse  
 P391 - Collect spillage  
 P501 - Dispose of contents/container in accordance with local regulations

### **SECTION 3: COMPOSITION INFORMATION**

<b>INGREDIENT</b>	<b>CAS Number.</b>	<b>Weight -%</b>
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%
Alkylbenzylidimethylammonium chloride	68391-01-5	1 - 10%
D-Limonene	5989-27-5	0 - 1%

### **SECTION 4: FIRST AID MEASURES**

- 4.1 **Workplace Facilities:** Eyewash bottle with clean water.
- 4.2 **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.
- 4.3 **Skin contact** – Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
- 4.4 **Inhalation**– Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician
- 4.5 **Ingestion** – Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Posion Control Centre immediately. Never give anything by mouth to an unconcscious person.
- 4.6 **Notes to Physician** – Treat symptomatically.

### **SECTION 5: FIRE FIGHTING MEASURES**

- 5.1 HAZCHEM Code: 2X
- 5.2 Flammable Properties: The product is not flammable.
- 5.3 Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Water spray. Water fog. alcohol-resistant foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Cool containers / tanks with water spray.
- 5.4 Unsuitable Extinguishing Media: No information available.
- 5.5 Specific hazards arising from the chemical: Keep product and empty container away from heat and sources of ignition.
- 5.6 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.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1 **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.
- 6.2 **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.
- 6.3 **Methods for cleaning up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**SECTION: 7 HANDLING AND STORAGE**

- 7.1 **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.7.2
- 7.3 **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.
- 7.4 **Type of Container/Package:** Store in original container.  
Handle and store according to AS/NZS Standards and the Responsible Care Management Systems: Managers Handbook.

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

- 8.1 **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.
- 8.2 **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.
- 8.3 **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.

**SECTION 9: PHYSICAL DESCRIPTION / PROPERTIES**

Appearance:	Yellow
Physical state	Liquid
Odour:	Lemon
pH:	6-8
Vapour pressure:	No data available
Vapour density:	No data available

Flash point:	No data available
Auto-ignition temperature:	No data available
Upper/lower flammability or explosive limits:	No data available
Melting point/freezing point:	No data available
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 <sup>3</sup>

## **SECTION 10: STABILITY AND REACTIVITY**

- 10.1 **Chemical Stability:** Stable under normal conditions.
- 10.2 **Conditions to avoid:** Heat, flames and sparks.
- 10.3 **Incompatible Materials:** Strong oxidizing agents
- 10.4 **Hazardous decomposition products:** None under normal use.

## **SECTION 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**

<b>Chemical Name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Ethanol, 2,2`-iminobis-, N-coco alkyl derivitives	16000 mg/kg (Rat)		4.9 mg/l (Fish, 96 h)
Alkylbenzylidimethylammonium chloride	= 850 mg/kg (Rat)	= 2300 mg/kg (Rabbit)	
D-Limonene	= 4400 mg/kg (Rat) = 5200 mg/kg (Rat)	5 g/kg (Rabbit)	

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

<b>Chemical Name</b>	<b>IARC</b>
D-Limonene	Group 3

<b>Reproductive Effects:</b>	No information available..
<b>Development Effects:</b>	No information available.
<b>STOT – single exposure:</b>	No information available.
<b>STOT – repeated exposure:</b>	No information available.

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity:**

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.

**SECTION 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.

**SECTION 14: TRANSPORT INFORMATION**

UN Number:	3082
Proper Shipping Name:	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzalkonium Chloride D-Limonene)
Packing Group:	III
Special provisions:	IMDG: EmS: F-A S-F. Limited quantities 5L
Environmental hazards:	Environmental hazard
Marine Pollutant:	Y
Hazchem Code	2X

**SECTION 15: REGULATORY INFORMATION**

**ERMA NZ Registration Number** HSR002530

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

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

<b>Other information</b>	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.

**DISCLAIMER**

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.