



# SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

## Section 1: Identification of the Substance/Mixture and of the Supplier

Product: **Lavender Disinfectant**  
Product Use: Disinfectant/Cleaner  
Restriction of Use: Refer to Section 15

Company Details: **Marketing Chemicals Ltd**  
Address: 2 Rymer Place, Mangere Bridge  
Auckland, New Zealand

Telephone: +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]  
Fax: +64 9 634 3864

Emergency No: **+64 274 340 990(24 hours)**  
**0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 25 November 2019 v2

## Section 2: Hazard Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: **Cleaning Products (subsidiary) - HSR0002530**

### Pictograms:



Irritant



Chronic

Signal Word: **Warning**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
6.1E (oral)	H303	May be harmful if swallowed.	Acute Tox. 5
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
6.5A	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Resp. Sens. 1
6.5B	H317	May cause an allergic skin reaction.	Skin Sens. 1
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	STOT RE 2
9.1C	H412	Harmful to aquatic life with long lasting effects.	Aquatic Chronic 3

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Product Name: Lavender Disinfectant  
Date of SDS: 25 November 2019

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Tel: 64 9 475 5240 www.techcomp.co.nz

P280 Wear protective gloves/protective clothing as detailed in Section 8.  
P285 In case of inadequate ventilation wear respiratory protection.

**Response code                      Response Statement**  
P101 If medical advice is needed, have product container or label at hand.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P362 Take off contaminated clothing and wash before re-use.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P341 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

**Storage Code                      Storage Statement**  
None allocated

**Disposal Code                      Disposal Statement**  
P501 Refer to Section 13.

### Section 3: Composition/Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Non Ionic Surfactant	1-10	9016-45-9
Quaternary Ammonium Chloride	1-10	8001-54-5
Fragrance	0.1-1.0	Proprietary
Water	To bal	7732-18-5

### Section 4: First Aid Measures

Routes of Exposure:

If in Eyes                      Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If on Skin                      Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

If Swallowed                      Rinse mouth. Do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Call a POISON CENTER or doctor/physician if you feel unwell.

If Inhaled                      Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

#### Most important symptoms and effects, both acute and delayed

Symptoms:

<b>Ingestion</b>	May be harmful if swallowed.
<b>Inhalation</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Skin</b>	Causes skin irritation. May cause an allergic skin reaction.

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<b>Eyes</b>	Causes serious eye irritation.
<b>Chronic</b>	May cause damage to organs through prolonged or repeated exposure.

## Section 5: Fire Fighting Measures

<b>Hazard Type</b>	Non Flammable.
<b>Hazards from Decomposition products</b>	None known.
<b>Suitable Extinguishing media</b>	All
<b>Precautions for firefighters and special protective clothing</b>	Wear full protective gear.
<b>HAZCHEM CODE</b>	<b>1Z</b>

## Section 6: Accidental Release Measures

Wear protective clothing as detailed in Section 8. Evacuate all unnecessary personnel.

Do not allow to enter waterways.

Mop up with plenty of water and run to waste, diluting with copious amounts of running water. Dispose as per Section 13.

## Section 7: Handling and Storage

### PROCEDURE FOR HANDLING

- Read label before use.
- Do not breathe fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves/protective clothing as detailed in Section 8.
- In case of inadequate ventilation wear respiratory protection.

### STORAGE REQUIREMENTS

- Store locked up and keep away from children
- Store away from incompatible materials listed in Section 10.
- Store in a cool, well ventilated place.

## Section 8: Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

## Personal Protection Equipment



<b>Engineering Controls:</b>	Normal ventilation is sufficient
<b>Eye / Face Protection:</b>	Safety Glasses
<b>Body Protection:</b>	Not required, but if handling in bulk wear protective gloves.
<b>Respiratory Protection:</b>	Not required.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Purple
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	9.0
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Non Flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity</b>	1.04
<b>Solubility in Water</b>	Complete
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not applicable

## Section 10: Stability and Reactivity

<b>Stability of the Substance:</b>	Stable under normal storage and use conditions.
<b>Conditions to avoid:</b>	None known.
<b>Materials to avoid:</b>	None known.
<b>Hazardous Decomposition Products:</b>	None known.
<b>Conditions Contributing to Hazardous Polymerization</b>	None known.

## Section 11: Toxicological Information

### Acute Effects:

<b>Swallowed</b>	May be harmful if swallowed.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Eye</b>	Causes severe eye irritation.
<b>Skin</b>	Causes skin irritation. May cause an allergic skin reaction.

## Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	May cause damage to organs through prolonged or repeated exposure.

### Individual component information:

#### Acute Toxicity:

<b>Chemical Name</b>	<b>Oral – LD50</b>	<b>Dermal – LD50</b>	<b>Inhalation – LC50</b>
Non Ionic Surfactant (Cas No 9016-45-9)	2590mg/kg(rat)	2830 mg/kg (rabbit)	-

## Section 12: Ecotoxicological Information

HSNO Classes: 9.1C = Harmful to aquatic life with long lasting effects.

Environmental Precautions: Do not allow product to wash into waterways.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

### Individual component information (Please refer to [www.epa.govt.co.nz](http://www.epa.govt.co.nz) for full details):

#### Non Ionic Surfactant (Cas No 9016-45-9)

<b>Route</b>	<b>Species</b>	<b>Duration</b>	<b>Value LC50/EC50</b>
Acute Aquatic, fish	Lepomis macrochirus Bluegill Sunfish	96 hr (static)	1.3 mg/L
Chronic, Aquatic fish	Medaka	-	0.0082 mg/l
Aquatic, Crustacean	Daphnia pulex Water flea	48 hr	4.8 mg/L
Algae	-	-	27 to 2500 (g/L)
Bioaccumulative	No		
Rapidly Degradable	No		

#### Quaternary Ammonium Chloride (Cas No 8001-54-5)

<b>Route</b>	<b>Species</b>	<b>Duration</b>	<b>Value LC50/EC50</b>
Acute Aquatic, fish	Fathead Minnow (Pimephales promelas)	96 hr	0.28 mg/L
Chronic, Aquatic, fish	Fathead Minnow (Pimephales promelas)	34 days static	0.0322mg/l
Aquatic, Crustacean	Daphnia magna (Water flea)	48 hr	0.0059 mg/L
Algae	Scenedesmus pannonicus (Green algae)	72 hr	0.08mg/l
Bioaccumulative	No		
Rapidly Degradable	Yes		

## Section 13: Disposal Considerations

#### Disposal Method:

Triple rinse container and dispose according to Local Regulations.

**Precautions or methods to avoid:** Avoid release to the environment.

## Section 14: Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

## Section 15: Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Cleaning Products(subsidiary) - HSR002530

HSNO Classification: 6.1E(oral), 6.3A, 6.4A, 6.5A/B, 6.9B, 9.1C

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L (9.1C)
Emergency Response Plan	1000L(9.1C)
Secondary Containment	1000L (9.1C)
Restriction of Use	None

## Section 16: Other Information

### Glossary

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

### References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

### Disclaimer

Marketing Chemicals Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

For General Information : Marketing Chemicals Ltd,

Phone: +64 (09) 634 3862 / +64 (0)274 340 990

Fax : +64 (09) 634 3864

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