

SAFETY DATA SHEET

Product Name **LOTUS LEMON DISHWASH**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name **Dowco Associates**
Address 62 Riverbank Road, Otaki
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Emergency 0800 243 622

Synonym(s) 1L, 5L & 20L

Use(s) DISHWASH LIQUID

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO HAZARDOUS SUBSTANCES [MINIMUM DEGREES OF HAZARD]
REGULATIONS 2001 – REPRINTED 2017

GHS CLASSIFICATION

Skin Irritation Category 2
Eye Irritation Category 2
Skin Sensitisation Category 1A



Signal Word: **WARNING**

Hazard Codes

H315 Cause skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Prevention Codes

P102 Keep out of reach of children.
P103 Read label before use.
P261 Avoid breathing mist or spray.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves and eye protection.

Response Codes

P101 If medical advice is needed, have product container or label at hand.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
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 CENTRE.
P321 Specific treatment: See additional information on this label.
P333+P313 If skin irritation or rash occurs: Get medical advice.
P337+P313 If eye irritation persists: Get medical advice.
P362+P364 Take off contaminated clothing and wash before reuse.

Storage Codes

Disposal Codes

P501 Disposal of content/container should be made in accordance with all applicable local, regional, and national laws and regulations.

3. COMPOSITION INFORMATION

Ingredient	CAS Number	Content
Sodium Dodecylbenzenesulfonate	25155-30-0	10 – 30%
Ingredients determined to be non-hazardous	-	Balance

Product Name LOTUS LEMON DISHWASH**4. FIRST AID MEASURES**

Eye	Rinse with copious amounts of water including under eyelids continuously until advised to stop. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical assistance if irritation occurs.
Skin	If skin or hair contact occurs, remove contaminated clothing and flood skin and hair with running water continuously for 10 minutes. If rash or irritation occurs seek medical assistance.
Ingestion	DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical assistance for alcohol poisoning.
Inhalation	Remove patient to fresh air. If breathing becomes difficult get medical attention. Apply artificial respiration if not breathing.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazard Type	Non-flammable. May evolve toxic gases in a fire if combustion is incomplete.
Extinguishing Media	Water fog, fine spray, dry powder or carbon dioxide.
Fire/Explosion Hazard	Thermal decomposition may product toxic gases. Generates heat with exposure to strong oxidisers.
Precautions for firefighters	Self-contained breathing apparatus. Safety boots, Chemical resistant overalls, gloves, helmet, and eye protection.

6. ACCIDENTAL RELEASE MEASURES

Minor Spills	Wear protective equipment to prevent skin, eye, and respiratory exposure. Contain using sand, earth, or vermiculite.
Major Spills	Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). Use absorbent (soil, sand, or other inert material). Collect spilled material and collect in a grounded or plastic container before sealing and labelling for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. Mop up and collect recoverable material into labelled into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose in accordance with all regulations.

7. HANDLING AND STORAGE

Handling	Keep out of reach of children. Avoid contact with skin and eyes. Use personal protective equipment as required. Eating, drinking, and smoking in work areas is prohibited.
Storage	Store in original container tightly closed and in a locked dry, cool area away from foodstuffs and incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance	CAS Number	TWA (mg/m ³)
Diethanolamine	111-42-2	13

Exposure Limits	The above exposure limits have been established by Worksafe New Zealand for this product.
Engineering Controls	General exhaust is adequate under normal operating conditions. Local exhaust ventilation is required in specific circumstances. Provide eyewash station and safety shower.
Personal Protective Equipment	
Eyes	Protect eyes with goggles or safety glasses that comply with AS/NZS 1336:2014
Skin	Avoid repeated or prolonged skin contact. Wear overalls, rubber boots and impervious gloves. Remove protective clothing and wash exposed areas with soap and water prior to eating, drinking, or using the toilet. Ensure all PPE complies with AS/NZS 2161.2:2020, AS/NZS 2210.3:2009 & AS/NZS 4501.1:2008
Respiratory	Use a P3 level respirator that complies with AS/NZS 1715:2009 when operating in enclosed space or where there is a risk of vapour generation during use.

Product Name LOTUS LEMON DISHWASH**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid	Upper explosive limit	No data available
Appearance	Yellow	Lower explosive limit	No data available
Odour	Lemon	Vapour pressure	No data available
Odour threshold	No data available	Vapour density	No data available
Specific Gravity	1.0g/mL (approx.)	Solubility in water	Soluble
pH as supplied	6.5 – 7.5	Partition coefficient n-octanol/water	No data available
Freezing point	No data available	Autoignition temperature	No data available
Boiling point	No data available	Decomposition temperature	No data available
Flash point	No data available	Kinematic Viscosity	No data available
Flammability	No data available		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal storage conditions. Unstable in the presence of strong oxidisers.
Incompatible Materials	Strong mineral acids and oxidisers
Hazardous Decomposition Products	Carbon oxides (CO, CO ₂)
Hazardous Polymerisation	Polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Summary	No specific data is available for this product. Toxicological data has been evaluated/calculated for the mixture. The product is considered to have the following potential health effects.	
Supporting Data		
Acute	Oral	No data available
	Dermal	No data available
	Inhaled	No data available
	Eye	The mixture is considered to be irritating to the eyes based on the quantities of components in the mixture which have corrosivity/irritation classifications.
	Skin	The mixture is considered to be irritating to the skin based on the quantities of components in the mixture which have corrosivity/irritation classifications.
Chronic	Sensitisation	The mixture is considered to be sensitising to the skin based on the quantities of components in the mixture which have sensitisation classifications.
	Mutagenicity	No data available
	Carcinogenicity	No data available
	Reproductive/development	No data available
	Systemic	No data available
	Aggravation of existing conditions	None known

12. ECOLOGICAL INFORMATION

Summary	No specific data is available for this product.
Aquatic	No data available
Bioaccumulation	Not expected to bio-accumulate.
Degradability	Expected to be rapidly degradable.
Soil	No data available
Terrestrial vertebrate	No data available
Terrestrial invertebrate	No data available

13. DISPOSAL CONSIDERATIONS

Rinse containers well with water before disposal. Preferably recycle container, otherwise send to an authorized landfill or similar in accordance with all relevant, local, regional, and national regulations.

14. TRANSPORT INFORMATION

Road & Rail Transport	Not classified as dangerous goods by the criteria of NZS5433:2020 – Transport of Dangerous Goods on Land.
Sea Transport	Not classified as dangerous goods under the IMDG transport regulations.
Air Transport	Not classified as dangerous goods under the IATA/ICAO transport regulations.

15. REGULATORY INFORMATION

NZ EPA Approval Code HSR002530 – Cleaning Products (Subsidiary Hazard) Group Standard 2020

NZIoC All components are listed on the New Zealand Inventory of Chemicals.

MPI Approval Code C32

Trigger quantities for this substance

	Trigger Quantity
Certified Handler	Not required.
Location Certificate	Not required.
Tracking Trigger Quantities	Not required.
Signage Trigger Quantities	Not required.
Emergency Response Plan Trigger Quantities	1,000L (Skin Sensitisation 1A)

16. OTHER INFORMATION

SDS Version Number 1.0

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SDS Review Date 10th April 2029

SDS Regulation The content and format of this SDS is in accordance with HSNO COP 8-1 09-0-6: HSNO Approved Code of Practice – Preparation of Safety Data Sheets.

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Abbreviations:

AS/NZS	Joint Australian-New Zealand standard
CAS	Chemical Abstracts Service (Registry Number)
EPA	Environmental Protection Authority
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Regulations
NZIoC	New Zealand Inventory of Chemicals
NZS	New Zealand Standard
TWA	Time Weighted Average