

SAFETY DATA SHEET

Product Name LOTUS CITRUS ORANGE CLEANER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name Dowco Associates
Address 62 Riverbank Road, Otaki
Telephone +6463645767

Emergency 0800 243 622

Synonym(s) 1L & 5L

Use(s) ALL PURPOSE CLEANER

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO HAZARDOUS SUBSTANCES [CLASSIFICATION] REGULATIONS 2001

GHS CLASSIFICATION

Eye Corrosion/Irritation Category 2
Skin Sensitisation Category 1A



Signal Word: WARNING

Hazard Codes

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

Prevention Codes

P103 Read label before use.
P261 Avoid breathing mist.
P264 Wash hands and face thoroughly with soap and water after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/clothing and eye/face protection.

Response Codes

P302+352 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.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention
P337+P313 If eye irritation persists: Get medical advice/attention.
P321 Specific treatment (see supplemental first aid information on the label).
P363 Wash contaminated clothing 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 Dodecylbenzene Sulphonate	2211-98-5	<10%
2-Butoxy Ethanol	111-76-2	<5%
D-Limonene	5989-27-5	<1%
Ingredients determined to be non-hazardous	-	Balance

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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.
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
Extinguishing Media	Water fog, fine spray dry powder or carbon dioxide.
Fire/Explosion Hazard	Thermal decomposition may produce 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). Rags are not recommended for the clean-up of spills, as they may create environmental hazards. Collect and seal absorbent in properly labelled containers or drums 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 in a dry, cool area away from foodstuffs and incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance	CAS Number	TWA (Ceiling)
2-Butoxy Ethanol	111-76-2	121

Engineering Controls	General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. Provide eyewash station and safety shower.
Personal Protective Equipment	
Eyes	Protect eyes with goggles or safety glasses.
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.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Upper explosive limit	Not determined
Appearance	Clear orange	Lower explosive limit	Not determined
Odour	Orange	Vapour pressure	Not determined
Odour threshold	Not determined	Vapour density	Not determined
Relative density	1.0 g/mL (approx.)	Solubility in water	Soluble
pH as supplied	10.5 – 11.0	Partition coefficient n-octanol/water	Not determined
Freezing point	Not determined	Autoignition temperature	Not determined
Boiling point	100°C (approx.)	Decomposition temperature	Not determined
Flash point	Not determined	Kinematic Viscosity	Not determined
Flammability	Not determined		

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal storage conditions.

Incompatible Materials Strong oxidising agents.

Hazardous Decomposition Products Carbon oxides (CO, CO₂), Sulphur oxides

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	Ingestion is not thought to have harmful toxic effects.
	Dermal	Skin contact is not thought to have harmful toxic effects.
	Inhaled	The mixture is not thought to be toxic through inhalation.
	Eye	The mixture is considered an eye irritant based on the summation method.
	Skin	The mixture is not considered to be a skin irritant based on the summation method.
Chronic	Sensitisation	The mixture may sensitise the skin based on the summation method.
	Mutagenicity	No data
	Carcinogenicity	No data
	Reproductive/development	No data
	Systemic	No data
	Aggravation of existing conditions	None known

12. ECOLOGICAL INFORMATION

Summary No specific data is available for this product.

Aquatic No data.

Bioaccumulation No data.

Degradability No data.

Soil No data.

Terrestrial vertebrate No data.

Terrestrial invertebrate No data.

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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 NZS5433:2012 – Transport of Dangerous Goods on Land.
Sea Transport	Not classified as dangerous good under the IMDG transport regulations.
Air Transport	Not classified as dangerous goods under the IATA/ICAO transport regulations.
UN No	N/A
Proper Shipping Name	N/A
DG Class	N/A
Packing Group	N/A
Hazchem Code	N/A
Marine Pollutant	N/A

15. REGULATORY INFORMATION

NZ EPA Approval Code	HSR002530 – Cleaning Products (Subsidiary) Group Standard 2020
NZIoC	All components are listed on the New Zealand Inventory of Chemicals.
MPI Approval Code	C32

Trigger quantities for this substance

Certified Handler	Trigger Quantity
Location Certificate	Not required.
Tracking Trigger Quantities	Not required.
Signage Trigger Quantities	Not required.
Emergency Response Plan	Not required.
Trigger Quantities	1,000L

16. OTHER INFORMATION

SDS Version Number	2.0
SDS Issue Date	13 August 2024
SDS Review Date	13 August 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.
Disclaimer	This document is compiled based on current knowledge as provided by the suppliers or information obtained from third party sources relating to the hazard classification, safety, and handling precautions for this product. Dowco Associates Ltd has taken all due care to include accurate and up-to-date information in this document and does not provide any warranty as to accuracy or completeness. The information herein is given in good faith but no warranty, express or implied is made.

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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