

# SAFETY DATA SHEET

**Product Name** LOTUS WINDOW CLEANER

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name **Dowco Associates**  
Address 62 Riverbank Road, Otaki  
Telephone +64 6 364 5767  
Fax +64 6 364 5768  
Emergency 0800 243 622

Synonym(s) 1L & 5L

Use(s) WINDOW CLEANER

## 2. HAZARDS IDENTIFICATION

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

### GHS CLASSIFICATION

Flammable Liquid Category 4

**Signal Word:** **WARNING**

### Hazard Codes

H227 Combustible Liquid.

### Prevention Codes

P102 Keep out of reach of children.  
P103 Read label before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves and eye protection.

### Response Codes

P101 If medical advice is needed, have product container or label at hand.  
P370+P378 In case of fire use water spray to extinguish.

### Storage Codes

P403 Store in a well ventilated place

### 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
Ethanol	64-17-5	<10%
Ingredients determined to be non-hazardous	-	Balance

## 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.

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<b>Ingestion</b>	DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical assistance.
<b>Inhalation</b>	Remove patient to fresh air. If breathing becomes difficult get medical attention. Apply artificial respiration if not breathing.
<b>Advice to Doctor</b>	Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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<b>Hazard Type</b>	Combustible. May evolve toxic gases if strongly heated.
<b>Extinguishing Media</b>	Water fog, fine spray dry powder or carbon dioxide.
<b>Fire/Explosion Hazard</b>	Thermal decomposition may produce toxic gases. Exhibits violent reactions with oxidising materials.
<b>Precautions for firefighters</b>	Self-contained breathing apparatus. Safety boots, Chemical resistant overalls, gloves, helmet, and eye protection.

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**6. ACCIDENTAL RELEASE MEASURES**

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<b>Minor Spills</b>	Wear protective equipment to prevent skin, eye, and respiratory exposure. Contain using sand, earth, or vermiculite.
<b>Major Spills</b>	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 using plastic, non-sparking tools 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 containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose in accordance with all regulations.

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**7. HANDLING AND STORAGE**

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<b>Handling</b>	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.
<b>Storage</b>	Store in original container tightly closed and in a locked dry, cool area away from foodstuffs and incompatible materials.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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<b>Substance</b>	<b>CAS Number</b>	<b>TWA (Ceiling)</b>
Ethanol	64-17-5	1880mg/m <sup>3</sup>

<b>Engineering Controls</b>	General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. Provide eyewash station and safety shower.
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**Personal Protective Equipment**

<b>Eyes</b>	Protect eyes with goggles or safety glasses that comply with AS/NZS 1336:2014
<b>Skin</b>	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 2161.2:2022, AS/NZS 2210.3:2009 & AS/NZS 4501.1:2008
<b>Respiratory</b>	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.

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<b>Physical state</b>	Liquid	<b>Upper explosive limit</b>	No data available
<b>Appearance</b>	Blue	<b>Lower explosive limit</b>	No data available
<b>Odour</b>	Alcoholic	<b>Vapour pressure</b>	No data available
<b>Odour threshold</b>	No data available	<b>Vapour density</b>	No data available
<b>Specific Gravity</b>	1.0 g/mL (approx.)	<b>Solubility in water</b>	Soluble
<b>pH as supplied</b>	8.0 – 10.0	<b>Partition coefficient n-octanol/water</b>	No data available
<b>Freezing point</b>	No data available	<b>Autoignition temperature</b>	No data available
<b>Boiling point</b>	No data available	<b>Decomposition temperature</b>	No data available
<b>Flash point</b>	No data available	<b>Kinematic Viscosity</b>	No data available
<b>Flammability</b>	No data available		

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under normal storage conditions.
<b>Incompatible Materials</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides (CO, CO <sub>2</sub> ), Nitrogen oxides
<b>Hazardous Polymerisation</b>	Polymerisation will not occur.

**11. TOXICOLOGICAL INFORMATION**

<b>Summary</b>	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.
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<b>Supporting Data</b>		
<b>Acute</b>	<b>Oral</b>	No data available.
	<b>Dermal</b>	No data available.
	<b>Inhaled</b>	No data available.
	<b>Eye</b>	No data available.
	<b>Skin</b>	No data available.
<b>Chronic</b>	<b>Sensitisation</b>	No data available.
	<b>Mutagenicity</b>	No data available.
	<b>Carcinogenicity</b>	No data available.
	<b>Reproductive/development</b>	No data available.
	<b>Systemic</b>	No data available.
	<b>Aggravation of existing conditions</b>	None known

**12. ECOLOGICAL INFORMATION**

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

**Product Name LOTUS WINDOW CLEANER****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**

<b>Road &amp; Rail Transport</b>	Not classified as dangerous goods by the criteria of NZS5433:2020 – Transport of Dangerous Goods on Land.
<b>Sea Transport</b>	Not classified as dangerous goods under the IMDG transport regulations.
<b>Air Transport</b>	Not classified as dangerous goods under the IATA/ICAO transport regulations.
<b>UN No</b>	N/A
<b>Proper Shipping Name</b>	N/A
<b>DG Class</b>	N/A
<b>Packing Group</b>	N/A
<b>Hazchem Code</b>	N/A
<b>Marine Pollutant</b>	N/A

**15. REGULATORY INFORMATION**

<b>NZ EPA Approval Code</b>	HSR002525 – Cleaning Products (Combustible) Group Standard 2020
<b>NZIoC</b>	All components are listed on the New Zealand Inventory of Chemicals.
<b>MPI Approval Code</b>	C35

**Trigger quantities for this substance**

	<b>Trigger Quantity</b>
<b>Certified Handler</b>	Not required.
<b>Location Certificate</b>	Not required.
<b>Tracking Trigger Quantities</b>	Not required.
<b>Signage Trigger Quantities</b>	10,000L
<b>Emergency Response Plan Trigger Quantities</b>	10,000L

**16. OTHER INFORMATION**

<b>SDS Version Number</b>	1.0
<b>SDS Issue Date</b>	2 <sup>nd</sup> July 2024
<b>SDS Review Date</b>	2 <sup>nd</sup> July 2029
<b>SDS Regulation</b>	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.
<b>Disclaimer</b>	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.

**Product Name**    **LOTUS WINDOW CLEANER**

**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