SAFETY DATA SHEET

Product Name **LOTUS WINDOW AND GLASS 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.

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 Combustible. May evolve toxic gases if strongly heated.

Extinguishing Media Water fog, fine spray dry powder or carbon dioxide.

Fire/Explosion Hazard Thermal decomposition may produce toxic gases. Exhibits violent reactions with oxidising materials.

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 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 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 (Ceiling)
Ethanol	64-17-5	1880mg/m^3

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 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 2161.2:2022, 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Upper explosive limit**	No data available
Appearance	Blue	**Lower explosive limit**	No data available
Odour	Alcoholic	**Vapour pressure**	No data available
Odour threshold	No data available	**Vapour density**	No data available
Specific Gravity	1.0 g/mL (approx.)	**Solubility in water**	Soluble
pH as supplied	8.0 – 10.0	**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.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Carbon oxides (CO, CO_2), Nitrogen 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**	No data available.
	Dermal	No data available.
	Inhaled	No data available.
	Eye	No data available.
	Skin	No data available.
Chronic	**Sensitisation**	No data available.
	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.

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

Trigger quantities for this substance

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

16. OTHER INFORMATION

SDS Version Number	1.0
SDS Issue Date	2nd July 2024
SDS Review Date	2nd July 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.

Product Name **LOTUS WINDOW AND GLASS 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