

# SAFETY DATA SHEET

# Window Cleaner

**Preparation Date:** 02-May-2011  
**Revision Number:** 3.0  
**Revision Date:** 10-Dec-2019  
**Date of Next Revision:** 09-Dec-2024

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Product Name</b>	Window Cleaner
<b>Item#:</b>	NZ14396
<b>Recommended use</b>	
<b>Uses advised against</b>	Restricted to professional users
<b>Supplier</b>	DeLaval Manufacturing PO Box 15-205 Kells Place Hamilton New Zealand
<b>Telephone Number</b>	+64 7 847 9904 (8am - 4:30pm Mon-Fri)
<b>Emergency Telephone Number</b>	0800 764 766 (National Poison Centre) 0800 243 622 CHEMCALL

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture according to GHS

Skin corrosion/irritation - Category 2  
Serious eye damage/eye irritation - Category 2  
Flammable liquids - Category 3

HSNO Classifications

3.1C Flammable Liquids :medium hazard
6.3B Substances that are irritating to the skin
6.4A Substances that are irritating to the eye

### 2.2. Label Elements

#### Hazard Pictogram(s)



#### Signal word

WARNING

#### Hazard Statements

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H226 - Flammable liquid and vapor

#### Precautionary statements

P102 - Keep out of reach of children  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

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No smoking  
 P233 - Keep container tightly closed  
 P240 - Ground and bond container and receiving equipment  
 P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P264 - Wash hands thoroughly after handling  
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
 P332 + P313 - If skin irritation occurs: Get medical advice/attention  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P337 + P313 - If eye irritation persists: Get medical advice/attention  
 P362 - Take off contaminated clothing and wash before reuse  
 P370 + P378 - In case of fire: Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam to extinguish  
 P403 + P235 - Store in a well-ventilated place. Keep cool  
 P501 - Dispose of contents/container in accordance with local regulations

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
2-Butoxyethanol	111-76-2	1 - 10%

### 4. FIRST AID MEASURES

<b>Workplace Facilities</b>	Eyewash bottle with clean water
<b>General Advice</b>	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes Keep eye wide open while rinsing If symptoms persist, call a physician
<b>Skin contact</b>	Immediate medical attention is not required Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician
<b>Inhalation</b>	Immediate medical attention is not required If symptoms persist, call a physician Move to fresh air in case of accidental inhalation of vapours or decomposition products
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Protection of First-aiders</b>	Use personal protective equipment.

### 5. FIRE-FIGHTING MEASURES

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<b>Hazchem Code</b>	2[Y]E
<b>Flammable Properties</b>	No information available.
<b>Suitable Extinguishing Media</b>	Water spray. Carbon dioxide (CO2). Use: Dry chemical. alcohol-resistant foam.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Specific hazards arising from the chemical</b>	Keep product and empty container away from heat and sources of ignition. Risk of ignition.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges. Use personal protective equipment.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for cleaning up</b>	Dam up. Pick up and transfer to properly labelled containers. Soak up with inert absorbent material. Take precautionary measures against static discharges.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not breathe vapours or spray mist. Use product only in closed system.
<b>Storage</b>	Keep in properly labelled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light.
<b>Type of Container/Package</b>	Store in original container

Handle and store according to AS/NZS Standards and the Responsible Care Management Systems: Managers Handbook.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	OSH (New Zealand, 1/2002)
2-Butoxyethanol	TWA: 25 ppm TWA: 121 mg/m <sup>3</sup> Skin

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

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<b>Eye/face Protection</b>	Tightly fitting safety goggles. Face-shield.
<b>Skin Protection</b>	Antistatic boots, Impervious butyl rubber gloves, Long sleeved clothing, Chemical resistant apron
<b>Respiratory Protection</b>	Wear a positive-pressure supplied-air respirator.

**General Hygiene Considerations**

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES
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<b>Appearance</b>	Clear Light green
<b>Physical state</b>	Liquid
<b>Odor</b>	No information available
<b>pH</b>	7
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Flash Point</b>	42 °C
<b>Autoignition Temperature</b>	No data available
<b>Upper flammability limit:</b>	No data available
<b>Lower flammability limit:</b>	No data available
<b>Boiling Point/Range</b>	No data available
<b>Freezing Point/Range</b>	No data available
<b>Solubility</b>	No information available
<b>Solubility in other solvents</b>	No data available
<b>Specific Gravity</b>	No data available

10. STABILITY AND REACTIVITY
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<b>Chemical Stability</b>	Stable under normal conditions. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Heating in air.
<b>Incompatible Materials</b>	No materials to be especially mentioned
<b>Hazardous decomposition products</b>	None under normal use.

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## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

**Inhalation** No information available.  
**Eye contact** Causes serious eye irritation.  
**Skin contact** Causes skin irritation.  
**Ingestion** No information available.

**Component Information**

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-Butoxyethanol	= 470 mg/kg ( Rat )	220 mg/kg ( Rabbit ) 2270 mg/kg ( Rat )	= 450 ppm ( Rat ) 4 h = 486 ppm ( Rat ) 4 h

**Irritation** No information available  
**Corrosivity** No information available.  
**Sensitization** No information available.  
**Mutagenic effects** No information available.  
**Carcinogenicity** There are no known carcinogenic chemicals in this product.

Chemical name	IARC
2-Butoxyethanol	Group 3

**Reproductive Effects** No information available.  
**Developmental Effects** No information available.  
**STOT - single exposure** No information available  
**STOT - repeated exposure** No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
2-Butoxyethanol		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50

**Persistence and degradability** No information available

**Bioaccumulation/Accumulation** No information available.

**Mobility** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

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14. TRANSPORT INFORMATION
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<b>UN-No</b>	1219
<b>Proper Shipping Name</b>	Isopropyl alcohol solution
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Hazchem Code</b>	2[Y]E

15. REGULATORY INFORMATION
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<b>ERMA NZ Registration Number</b>	HSR002528
<b>ERMA Group Standard</b>	Cleaning product (Subsidiary Hazard) Group Standard 2006
<b>HSNO Classifications</b>	3.1C Flammable Liquids :medium hazard 6.3B Substances that are irritating to the skin 6.4A Substances that are irritating to the eye
<b>HSNO Conditions</b>	Hazardous Substances Location trigger quantity: 100L Closed Approved Handler trigger quantity: N/A Secondary containment trigger quantity: 10000L or 10000kg Signage trigger quantity: 1000L or 1000kg Response Plan trigger quantity: 10000L or 10000kg
<b>ERMA Reference</b>	ERMA User Guide to the HSNO Controls, which links to the Hazardous Substances Regulations 2001

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16. OTHER INFORMATION
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**References**

- Land Transport (Dangerous Goods) Rule 45001:2005
- Hazardous Substances Regulations 2001:
  - Minimum Degrees of Hazard
  - Classification
  - Classes 1 to 5 Controls
  - Classes 6, 8 and 9 Controls
  - Packaging Regulations
  - Identification Regulations
  - Disposal Regulations
  - Emergency Management
  - Identification Regulations
  - Disposal Regulations
- Health and Safety in Employment Regulations 1995
- User Guide to the HSNO Thresholds and Classifications
- OSH Workplace Exposure Standards January 2002
- NZCIC Approved Code of Practice - Preparation of Safety Data Sheets
- Signage for premises storing hazardous substances and dangerous goods

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of SDS**