B&N WINDOW CLEANER

Section 1. Identification

Product identifier: B&N Window Cleaner **Product Code:** WINDB&N

Other means of identification: N/A

Recommended use and restrictions on use: Glass cleaner. Use in accordance with directions on product label.

Supplier: True Blue Chemicals

Street Address: 2/1 Endeavour Road Caringbah NSW 2229 **Postal Address:** PO Box 334 Caringbah NSW 1495

Phone No: 1800 635 746 **Fax No:** 02 9540 1983

Internet: www.truebluechemicals.com.au

Emergency Phone No - 13 11 26 (POISONS INFORMATION CENTRE)

Section 2. Hazards Identification

Classified as hazardous according to the criteria of Safe Work Australia (SWA).

Not classified as Dangerous Goods according to the Australian Dangerous Goods Code (ADG), Special Provisions 144.

GHS Classification

Flammable Liquids - Category 3

Serious Eye Damage/Irritation - Category 2A

Signal Word

WARNING

Hazard Statements

Flammable liquid and vapour.

Causes serious eye irritation

Pictograms

Precautionary Statements

Keep away from heat/sparks/open flames/hot surfaces - No smoking.

Keep container tightly closed.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wear protective gloves/eye/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

In case of fire: Use CO_2, foam or dry chemicals for extinction.

Store in a well-ventilated place. Keep cool.

Dispose of contents in accordance with local/state regulations.

Section 3. Composition and Information on Ingredients

Chemical Name	CAS Number	Percentage (%)
Ethanol	64-17-5	10 - 30
Other ingredients determined not to be hazardous or below concentration cut-off		to 100

Section 4. First Aid Measures

Swallowed: DO NOT induce vomiting. Give plenty of water to drink. If symptoms develop seek medical advice.

Eye Contact: Rinse with plenty of water for at least 15 minutes holding eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms persist seek medical attention.

Skin Contact: Wash skin with plenty of water. Remove contaminated clothing and wash before reuse.

Inhalation: Move victim to fresh air. If symptoms develop, seek medical advice.

Symptoms caused by exposure: Stupor, slurred speech, unable to walk, nausea and vomiting.

Medical attention and special treatment: No specific treatment. Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable extinguishing equipment:
Flammable liquid and vapour. Alcohol resistant foam, fine water spray, dry chemical or CO_2 may be used to contain fire. Water spray may be used to cool surrounding containers.

Specific hazards arising from the chemical:
Flammable liquid. Can release vapours that form explosive mixtures with air. Vapour is slightly heavier than air and can travel to source of ignition and flash back. Carbon dioxide, carbon monoxide, and other toxic gases may be produced in the case of fire.

Special protective equipment and precautions for fire fighters:
Firefighters should wear full protective clothing including self-contained breathing apparatus & chemical splash suit. Remove from the vicinity containers not involved in the fire.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure clean-up is conducted by trained personnel only. Clean up spill promptly to avoid accidents. Wear protective equipment (see Section 8) to prevent skin and eye contamination and inhalation of mists and vapours. Stop leak if safe to do so. Ensure adequate ventilation.

Environmental precautions:
Ensure no spillage enters drains or waterways. If significant amounts of product does enter a waterway, advise the Environmental Protection Authority or the local Council.

Methods and materials for containment and cleaning up:
Cover with damp absorbent material (inert material, sand or soil). Sweep up, but avoid generating dust. Collect and seal in properly labelled drums for disposal.

Section 7. Handling and Storage

Precautions for safe handling:
Observe good personal hygiene practices and recommended procedures. Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing. Take precautionary measures against static discharge. Do not use near sparks, open flames or hot surfaces.

Conditions for safe storage, including incompatibilities
Store in a cool, dry, well-ventilated place out of direct sunlight. Avoid sources of ignition. Keep containers closed at all times – Check regularly for spills. For large quantities, a fire extinguisher appropriate to class B fires should be kept in the vicinity (dry chemical or carbon dioxide). Store away from strong acids and oxidisers.

Section 8. Exposure Controls and Personal Protection

National Exposure Standards: An occupational exposure standard (OEL) has not been established for the product. The following components have been listed with an OEL as per Safe Work Australia – Workplace Exposure Standards for Airborne Contaminants.

Ingredient Name	CAS No	TWA (ppm)	TWA (mg/m^3)	STEL (ppm)	STEL (mg/m^3)
Ethyl alcohol	64-17-5	1000	1880	-	-

Engineering Controls:
Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling vapours. Keep containers closed when not in use.

Individual Protection Measures:

Eye and face protection	Safety glasses or chemical resistant goggles should be worn to prevent eye contact.
Skin protection	Wear protective gloves to prevent skin contact. Suitable glove types: Nitrile, natural rubber. Do not use gloves made of unsupported neoprene and polyvinyl alcohol (PVA). Replace gloves regularly to avoid exposure from glove degradation.
Respiratory protection	Not normally needed. If significant vapours or mists are generated, use an appropriate respirator in accoradnace with AS/NZS 1715 and AS/NSZ 1716.
Thermal hazards	Refer to Section 5.

Section 9. Physical and Chemical Properties

Appearance:	Thin liquid	**Colour:**	Purple
Odour:	Alcohol	**Boiling Point:**	Not available
Vapour Pressure:	Not available	**Specific Gravity:**	0.97
Flashpoint (°C):	34 (estimated)	**Flammability:**	Not available
Water Solubility:	Complete	**pH:**	10.0-11.0
Auto-ignition Temperature:	Not available	**Viscosity:**	Not available
Relative Density:	Not available	**Evaporation Rate:**	Not available
Vapour Pressure	Not available	**Melting Point/Freezing Point**	Not available
Partition Coefficient: n-octanol/water	Not available	**Upper/Lower Flammability or Explosive Limits:**	Not available

Section 10. Stability and Reactivity

Reactivity:	No reactive.
Chemical Stability:	Stable under normal ambient storage conditions.
Possibility of Hazardous Reactions:	Hazardous polymerisation will not occur.
Conditions to Avoid:	Avoid sources of ignition, heat, high temperatures (store below 30°C) and direct sunlight.
Incompatible Materials:	Do not mix with other chemicals. Store away from strong acids and strong oxidisers.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide and other toxic fumes.

Section 11. Toxicological Information

Information on Route of Exposure

Acute Toxicity:

Acute Toxicity Estimated (ATE) value: Not classified.

Skin Corrosion/Irritation:	Not classified.
Serious Eye Damage/Irritation:	Not classified.
Respiratory or Skin Sensitisation:	Not classified.
Germ Cell Mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive Toxicity:	Not classified.

Specific Target Organ Toxicity (STOT) - Single Exposure: Not classified.

Specific Target Organ Toxicity (STOT) - Repeated Exposure: Not classified.
Aspiration Hazard: Not classified.
Immediate, Delayed and Chronic Health Effects From Exposure: Not classified.
Other Information: Not classified.

Section 12. Ecological Information

Ecotoxicity:	No data available.
Persistence and Degradability	Expected to be readily biodegradable.
Bioaccumulative Potential	Not expected to bioaccumulate.
Mobility in Soil	Low sorption to soil / sediment, moderate migration to ground water (Estimated Log K_{OC} value (EpiSuite KOCWIN): approx. 0.57).
Other Adverse Effects	None known.

Section 13. Disposal Considerations

Disposal Methods	Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste third party, in accordance with local regulations.

Section 14. Transport Information

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for transport by Road and Rail (Special Provision 144).

UN Number	Not applicable
Proper Shipping Name or Technical Name	Not applicable
Transport Hazard Class	Not applicable
Packing Group	Not applicable
Environmental hazards for Transport purposes	Not applicable
Special User Precautions	Not applicable
Additional Information	Not Applicable
Hazchem or Emergency Action Code	Not applicable

Section 15. Regulatory Information

NICNAS	All substances are listed on the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule (SUSMP)	None allocated.

Section 16. Other Information

This information is provided to the best of our knowledge and belief, accurate as of the last revision date. It is provided in good faith and relates to the specific materials designated. True Blue Chemicals assumes no liability or responsibility for loss or damage resulting from improper use or handling of our products from incompatible product combinations or from failure to follow usage directions. This document remains the property of True Blue Chemicals Pty Ltd. Alterations are not permitted without prior written authorisation from True Blue Chemicals Pty Ltd.

Glossary:

Peak limitation means a maximum or peak airborne concentration of a substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

Log Koc Adsorption Classifications

> 4.5 Very strong sorption to soil / sediment, negligible migration to ground water
3.5 - 4.4 Strong sorption to soil / sediment, negligible to slow migration to ground water
2.5 - 3.4 Moderate sorption to soil / sediment, slow migration to ground water
1.5 - 2.4 Low sorption to soil / sediment, moderate migration to ground water
< 1.5 Negligible sorption to soil / sediment, rapid migration to ground water

References

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice - Safe Work Australia
2. Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG)
3. Workplace Exposure Standards for Airborne Contaminants – Safe Work Australia
4. Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
5. Hazardous Substances Information System (HSIS) – Safe Work Australia
6. Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
7. European Chemicals Agency (http://echa.europa.eu/)
8. Ansell Chemical Resistance Guide – Permeation & Degradation data

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