

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL

Product Name: WINDOW CLEANER
Other names: None
Recommended Use: Spray on – Wipe off cleaner for windows, mirrors and other hard surfaces.
EMERGENCY TELEPHONE NO: POISONS INFORMATION CENTRE **13 1126** OR (08) 8347 0040

2. HAZARD IDENTIFICATION

Classification of the substance:

Not classified as hazardous according to criteria of Safe Work Australia.

Label elements

Pictograms: No pictograms allocated according to the criteria of Safe Work Australia.

Signal word: No signal word allocated according to the criteria of Safe Work Australia.

Hazard statements: No hazard statements allocated according to the criteria of Safe Work Australia.

Precautionary Statements: No precautionary statements allocated according to the criteria of Safe Work Australia, however it is recommended that skin contact with undiluted product should be avoided.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>Proportion (w/v)</u>	<u>CAS Number</u>
2-butoxy ethanol	<10%	111-76-2
2-methoxypropanol	<10%	1589-47-5
Ethanol	<10%	64-17-5
Ammonia	<1%	1336-21-6
Nonionic surfactants	<10%	Not classified as hazardous
Other ingredients not classified as hazardous	<10%	Not classified as hazardous
Water	balance	7732-18-5

4: FIRST AID MEASURES

For Advice, contact a Poisons Information Centre on 13 1126 (Australia wide) or a doctor.

Swallowed : If swallowed, do NOT induce vomiting.

Eye: If in eyes, wash out with water.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Inhaled: If affected, remove from contaminated area. Apply artificial respiration if not breathing.

Advice to doctor: Treat symptomatically.

5: FIRE FIGHTING MEASURES

Non-flammable

Specific Hazards: No specific hazards known. If strongly heated in a fire, decomposition products may include ammonia and oxides of carbon.
Extinguishing Media: Water spray. (Non-flammable.)
Unsuitable Extinguishing Media: None known or expected.
Protective Equipment for Firefighters: Wear full protective clothing and self-contained breathing apparatus.
Additional Advice:
Hazchem Code No Hazchem code is set for this product under ADG code.

6: ACCIDENTAL RELEASE MEASURES

Observe all relevant local, federal and international regulations.

Protective measures: Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Material Safety Data Sheet. Shut off all leaks if this is possible without personal risk. Contain to prevent environmental contamination. Prevent from spreading or entering drains, ditches or rivers using sand, earth or other inert barriers.

Spills: Spills are slippery. Clean up all spills promptly.
For small liquid spills (< 1 drum), mop up all possible material and place in a sealable container for re-use or disposal. Rinse off remainder with water. Dispose in accordance with Federal, State and Local regulations.
For large spills (> 1 drum), transfer by mechanical means, such as vacuum truck, to a salvage tank for recovery or safe disposal. Rinse off remaining residue with water. Dispose in accordance with Federal, State and Local regulations.

7: HANDLING AND STORAGE

Precautions: Avoid contact with skin and eyes.
Wear suitable protective clothing and equipment (PPE) to prevent skin and eye contact.

Storage: Store, tightly sealed, away from foodstuffs.
Ensure containers are correctly labelled, protected from potential damage and properly sealed when not in use.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: No exposure limits available for this product, however, limits for its hazardous ingredients are as follows:

Ingredient	Reference	TWA		STEL	
		ppm	mgm ⁻³	ppm	mgm ⁻³
Ethanol	ACGIH	1000	1880		
2-butoxy ethanol	ACGIH	20	96.9	50	242
Ammonia		25	17	35	24

Recommended Minimum Personal Protective Equipment:

EYE PROTECTION: Safety glasses with side shields or splash proof chemical goggles.

GLOVE TYPE: PVC or Neoprene gloves

RESPIRATOR: Not normally required under normal use conditions or potential mis-use.

OTHER: Suitable protective clothing to prevent skin contact, e.g. impervious overalls and PVC Apron.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, blue mobile liquid with ammonia odour.
Boiling Point	100°C
Vapour Pressure	not determined
Specific Gravity	approx 1.0g/cm ³
Flash Point	none
Solubility in water	Miscible in all proportions
pH	9 (±0.5) neat

10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under ambient storage conditions.
Conditions to Avoid:	Avoid storing at temperatures above 40°C or below 2°C. Storing in temperatures outside this range may lead to instability. This instability is not hazardous however, and once the product is returned to a temperature within the range above, gentle mixing will return it to a uniform state.
Material to Avoid:	Do not mix with other chemicals.
Decomposition:	If heated to decomposition, e.g. in a fire, ammonia and oxides of carbon may be evolved.
Hazardous Reactions:	No hazard reactions known or expected.

11: TOXICOLOGICAL INFORMATION

Possible Health Effects:

Acute:

Swallowed:	May be irritant. Ingestion of large quantities may induce gastrointestinal irritation. Aspiration during swallowing, or vomiting may severely affect lungs.
Eye:	May be irritant.
Skin:	Prolonged exposure, especially to the concentrate, may lead to de-fatting of the skin, resulting in dryness, possible cracking and dermatitis.
Inhaled:	Spray mist may be irritant to the respiratory tract, (especially the concentrate).

Toxicity Data:

No data exists for this product or its ingredients.

12: ECOLOGICAL INFORMATION

Environment:	Avoid release to the environment. Refer to Chapter 6 of this Material Safety Data Sheet.
Ecotoxicity:	Considered to have a low impact on the environment under normal use conditions.
Persistence/Degradability:	This product contains surfactants and solvents that are readily biodegradable according to standard test methods.

13: DISPOSAL CONSIDERATIONS

- Waste Disposal:** Wear protective equipment. Refer to local authorities to ensure compliance with legislative requirements for correct disposal. Recover and recycle if possible.
- Container Disposal:** Drain container thoroughly. After draining, rinse with water.
- Local Legislation:** Disposal should be in accordance with applicable regional, nation and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

14: TRANSPORT INFORMATION

Not classified as a Dangerous Good according to the criteria of the ADG Code.

- UN Number** none allocated
Proper Shipping Name: none allocated
DG Class not classified as a dangerous good.
Subsidiary Risk Class none
Packaging Group none
Hazchem Code No Hazchem code allocated (non-hazardous product)

Storage and Transport: Transport in original container or one that is correctly labelled. Store away from food stuffs and in accordance with government regulations. Keep container tightly closed when not in use.

15: REGULATORY INFORMATION

- Poisons Schedule:** Not a Scheduled poison - According to the criteria of the Poisons Standard 2021.
- AICS:** All ingredients listed on the Australian Inventory of Chemical Substances.

16: OTHER INFORMATION

MSDS Revision Date: September 2021
Reason for up-date: Modification of format to comply with GHS requirements.