



# MATERIAL SAFETY DATA SHEET AP66

## APEX MIRACLEAN WINDOW CLEANER

### 1. Identification

Product Identifier	Apex Miraclean Window Cleaner	
Recommended Use of the chemical and restrictions on use	A high-performance window cleaner for use on all glass surface. It removes grime and finger prints off window and mirror surfaces, leaving them clean and streak free.	
Details of Manufacturer/Importer or Supplier	Company Name	Sumukhasri Pty.Ltd/Trading as Apex Cleaning supplies. ABN: 95 618 434 825
	Address	½, Kinwal Ct, Moorabbin, Vic-3189
	Phone	03 9555 5155
	Email	<a href="mailto:info@apexcleaningsupplies.com.au">info@apexcleaningsupplies.com.au</a>
	Website	<a href="http://www.apexcleaningsupplies.com.au">www.apexcleaningsupplies.com.au</a>
Emergency Phone Number	Police, Fire & Ambulance	000
	Poisons Information Centre	13 11 26

### 2. Hazard Identification:

This material is hazardous according to criteria of safe work Australia. NOT considered as a 'Dangerous Goods' by Road and Rail.

Classification	Acute Aquatic Toxicity 3	Eye Damage/Irritation 2A	Skin Corrosion/Irritation 2
Statements	Harmful to Aquatic – H402	Causes serious eye Irritation H319	Causes skin irritation H315
General	Read label before use	Keep out of reach of children	Take product to phone if seeking info
Prevention	P273 Avoid release to the environment.	P280 Wear protective gloves/clothing/eye protection/face protection.	P234 - Wash thoroughly after handling.
Response	If inhaled	Remove to fresh air, keep at rest and call a doctor or 131126 poisons info.	
	If in eyes	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.	
	If on skin	Wash with plenty of water. If Skin irritation occurs: Get medical advice/attention.	
	If swallowed	Rinse mouth with water. If feeling unwell call 131126 poisons info or a doctor	
Storage	Keep securely out of reach of children	Signal Words	Warning
Pictograms		Other/Not Classified	Not Applicable
		Disposal	Dispose of contents/Container to in accordance with local regulation
Signal Word (S)	Warning		

### 3. Composition and Ingredient Information:

INGREDIENTS	CAS No:	PROPORTION
2-Butoxyethanol	111-76-2	<10%
Ammonia Aqueous 25% Solution	1336-21-6	<10%
Water	7732-18-5	Balance
Technical Blue Dye	71-872-74-7	Trace

Disclosure of ingredient names is not required by the WHS regulations for those ingredients that meet only physicochemical and/or environmental hazard classifications, or for nonhazardous ingredients.

There is no requirement to disclose the identity of ingredients for the following GHS health hazard categories because they fall outside the scope of the WHS Regulations:

- Acute Toxicity (oral, dermal and inhalation) – Cat 1-5
- Aspiration Hazards – Cat 2
- Skin Corrosion or Irritation – Cat 1 or 2

- Serious eye damage or eye irritation – Cat 1 or 2A
- Aquatic toxicity (all Categories)
- Flammable gas – Cat 2
- Ozone depletion.

#### 4. First Aid Measures

If swallowed	Immediately rinse mouth out thoroughly with water and give water to drink. DO NOT induce vomiting, Seek medical advice.
Eyes	Immediately irrigate eyes with large amounts of water for at least 15 minutes with eyelids held open. Take care not to rinse contaminated water into the non-affected eye. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. Seek medical advice.
Skin	Immediately wash affected area with large amount of water. Remove any contaminated clothing and wash before re-use. Seek medical advice if pain or irritation persists.
Inhaled	For all but minor symptoms seek medical advice. Not considered a normal feature of use.
First Aid Facilities	Standard first aid facilities.
Advice to Doctor	Treat symptomatically based on judgement of doctor or individual reactions of patient.

#### 5. Fire Fighting Measures

Flammability properties	Not Flammable Flash point, Auto-ignition and Flammability Limits Not evaluated
Suitable and Unsuitable Extinguishing Media:	Use water spray, alcohol – resistant foam, dry agent (Carbon dioxide, dry chemical powder)
Specific Hazards Arising from Chemical	During a fire, Smoke may contain the original material in addition to combustion products of varying composition which may be toxic and /or irritating. Hazardous products of combustion for each ingredient are: 2-Butoxyethanol: Combustion products may include but are not limited to: Carbon monoxide, Carbon Dioxide Ammonia Aqueous 25% Solution – None known.
Special Protective Equipment and Precautions for Fire-fighters	Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective fire fighting clothing. Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus.
HAZCHEM Code	2X

#### 6. Accidental Release Measures

Emergency procedures/Environmental precautions:	Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.
Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:	Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Neutralise residues with dilute acid. Collect and seal in properly labelled containers or drums for disposal.

#### 7. Handling and Storage

Precautions for Handling	Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Check section 8 for details of personal protective measures, and make sure that those measures are followed. The measure detailed below under 'Storage' should be followed during handling in order to minimise risk to persons using the product in the counteracting workplace. Also, avoid contact or contamination of product with incompatible materials listed in section 10
Precaution for Storage	Store in a cool, well ventilated area. Check containers periodically for corrosion and leaks. Containers should be kept closed in order to minimise contamination. Containers should be protected against any form of physical damage indeterminate goodness wellbeing always. Have appropriate fire extinguisher available in and near storage area. Make sure that the product does not come in contact with substance listed under "Incompatibilities" in section 10

## 8.Exposure Controls/Personal Protection

Exposure Standards	No value assigned for this specific material by safe work Australia. However, Exposure standard(s) for ingredient(s) are: 2- Butoxyethanol: 96.9 mg/m <sup>3</sup> AU OEL TWA 242 mg/m <sup>3</sup> AU OEL STEL  Ammonia Aqueouse 25% Solution: No Data available.
Biological Limits	Biological limits for ingredient(s) are:  2-Butoxyethanol: No Biological limit value have been entered for this product. Ammonia Aqueouse 25% Solution: No information available on biological limits for this product.
Engineering Controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well designed engineering controls can be highly effective in protecting workers and will typically be independent of workers interaction to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the workers and ventilation that strategically "adds" and "removes" air in the work environment.
PPE - Hand Protection	Wear chemical resistant gloves when handling or decanting.
PPE – Eyes	Safety glasses with the side shields.

## 9.Physical and Chemical Properties

Appearance	Blue Coloured	Specific Gravity	0.88-0.92 g/ml at 20 degree
Odour	Ammonia, Irritating	Odour threshold	0.6-53ppm (Detection), 0.7-55ppm (recognition)
Melting Point	Not evaluated	pH	8 – 9.5
Initial Boiling Point	Not Specified	Boiling Point Range	Not Specified
Flammability	Not Specified	Evaporation Rate	Not Specified
Vapour Density (Air=1)	Not evaluated	Vapour Pressure mm Hg@20°c	6.9-10.5 psi
Solubility (in water)	Miscible in water	Relative Density (water=1)	0.45
Viscosity	Not Evaluated	Oil-Water Partition Coefficient	Not Evaluated

## 10.Stability and Reactivity

Reactivity	No dangerous reactions known under conditions of normal use.
Chemical Stability	Stable under normal ambient storage and handling condition.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	No data available.
Incompatible materials	Incompatible with peroxides, metal salts, acids, and reducing agents.
Hazardous decomposition products	See Section 5

## 11.Toxicological Information – No evaluation for its toxicity as a whole

Acute Toxicity, Dermal	Not Applicable	Acute Toxicity, Dusts & Mists	Not Applicable	Acute Toxicity, Gases	Not Applicable
Acute Inhalation	Not Applicable	Acute Toxicity, Oral	Not Applicable	Acute Toxicity, Vapour	Not Applicable
Skin Corrosion / Irritation	Category 2	Eye Damage / Irritation	Category 2A	Respiratory Sensitization	Not Applicable
Skin sensitization	Not Applicable	Germ Cell Mutagens	Not Applicable	Carcinogenicity	Not Applicable
Reproductive	Not Applicable	Specific Target Organ Toxicity RE	Not Applicable	Specific Target Organ SE	Not Applicable
Aspiration Hazard	Not Applicable				

### Acute toxicity:

**Ingestion** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing large amounts may cause injury. In animals, effects have been reported on the following organs: Blood (haemolysis) and secondary effects on the kidney and liver. Human red blood cells have been shown to be significantly less sensitive to haemolysis than those of rodents and rabbits. Massive

ingestion of ethylene glycol monobutyl ether (attempted suicides) may produce metabolic acidosis and subsequent secondary effects such as haemolysis, central nervous system and kidney effects.

LD50, rat 1,300 mg/kg

LD50 Guinea pig, 1,400mg/kg

**Dermal** Prolonged skin contact to animals which are less sensitive to haemolysis, as are humans, didn't result in the absorption of harmful amounts

LD50, Guinea pig > 2,000 mg/kg

### Ammonia Aqueous 25% Solution

Oral LD50(rat): 350 mg/kg

Inhalation Human TCLO: 408ppm. (400-700 ppm sever irritation. 2000 – 3000 ppm may be fatal within 30 minutes. 10,000 ppm is immediately fatal)

## 12. Ecological Information

Acute Aquatic Toxicity	Category 3
Chronic Aquatic Toxicity	Not Applicable

**Toxicity:** Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50/LL50/EL50 greater than 100mg/L in most sensitive species).

**Fish Acute & Prolonged Toxicity** LC50, *Oncorhynchus mykiss* (Rainbow trout), static test, 96hr 1,474mg/L

### Persistence and degradability

Material is readily biodegradable. Passes OECD test for ready biodegradability. Material is ultimately biodegradable (reaches >70% mineralisation in OECD test for inherent biodegradability).

### Ecological

Avoid contaminating waterways.

## 13. Disposal Considerations

Preparing Wastes of this product for disposal	Waste disposal must be in accordance with appropriate Federal, State and Local government regulations
Disposal of contaminated packaging	Empty bottles can be rinsed and dispose through council recycling service.

## 14. Transport Information: Not classified as a dangerous goods for transport.

HAZCHEM	2X	Spec. E. P.G.	Not Applicable	UN Number	Not Applicable
Transport Hazard class	Not dangerous	Packaging Group		UFAC Code	TANZ334B5
Proper shipping name	Not Applicable	Special Precaution	None	Sub risk	Not Applicable
Proper/Technical name	None	Additional information	None	Environment	Classified as having an acute aquatic toxicity.

## 15. Regulatory Information

No information in this section

## 16. Other Information

Date of Preparation: 01<sup>st</sup> July 2017

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