

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Shiny Surfaces

**Recommended Use:** General window and stainless-steel cleaner

**Supplier:** Big Bubble  
**ABN:** 42 719 707 618

**Street Address:** 18 Elliott Street  
Midvale  
Western Australia

**Telephone Number:** +61 08 9274 1992

**Poisons Information Centre:** 131 126 Australia

## 2. HAZARDS IDENTIFICATION

**Road and Rail;** Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; DANGEROUS GOODS.

### Globally Harmonised System

#### Hazard Classification

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Hazard Categories** Serious eye damage / irritation – Category 2A  
Flammable liquids – Category 3

#### Pictogram



**Name of pictogram** Flame, Exclamation mark

**Signal Word** Warning

**Hazard Statements** **H226** Flammable liquid and vapour.  
**H319** Causes serious eye irritation.

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## Precautionary Statement

<b>General</b>	<b>P101</b> If medical advice is needed, have product container or label at hand. <b>P102</b> Keep out of reach of children. <b>P103</b> Read label before use.
<b>Prevention</b>	<b>P210</b> Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. <b>P233</b> Keep container tightly closed. <b>P240</b> Ground and bond container and receiving equipment. <b>P241</b> Use explosion-proof electrical/ventilation/lighting equipment. <b>P242</b> Use non-sparking tools. <b>P243</b> Take action to prevent static discharge. <b>P260</b> Do not breathe mist/vapour/spray. <b>P264</b> Wash thoroughly after handling. <b>P270</b> Do not eat, drink, or smoke when using this product. <b>P271</b> Use only outdoors or in a well-ventilated place. <b>P273</b> Avoid release to the environment. <b>P280</b> Wear protective gloves/eye protection/face protection
<b>Response</b>	<b>P301 + P330 + P331</b> IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. <b>P303 + P361 + P353</b> IF ON SKIN (or hair): Take off immediately all clothing. Rinse skin with water/shower. <b>P304 + P340</b> IF INHALED: Remove victim to fresh air and keep comfortable for breathing. <b>P305 + P351 + P338</b> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. <b>P312</b> Call a POISON CENTRE or doctor if you feel unwell. <b>P330</b> Rinse mouth. <b>P332 + P313</b> If skin irritation occurs: Get medical advice/attention. <b>P337 + P313</b> If eye irritation persists: Get medical advice/attention. <b>P362 + P364</b> Take off contaminated clothing and wash it before reuse. <b>P370 + P378</b> In case of fire: Use carbon dioxide (CO <sub>2</sub> ), dry chemical, regular foam extinguishing agent or water spray for extinction. <b>P391</b> Collect spillage.
<b>Storage</b>	<b>P403 + P235</b> Store in a well-ventilated place. Keep cool. <b>P405</b> Store locked up.
<b>Disposal</b>	<b>P501</b> Dispose of contents/container in accordance with local / regional / national / international regulations.
<b>Poisons Schedule:</b>	Not scheduled.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Ethanol	64-17-5	30 – 60%
2-Butoxyethanol	111-76-2	1 – 10%
Ammonia, aqueous solution	1336-21-6	<1%
Sodium (C10-16) ethoxylated alkyl sulphate	68585-34-2	<0.1%
Ingredients determined not to be hazardous		Balance %

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## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

<b>Ingestion:</b>	IF SWALLOWED: Rinse mouth, then give 1 cup (240 mL) of water. Do NOT induce vomiting. Immediately call a Poison Centre or doctor/physician for advice. Never give anything by mouth to an unconscious person. Transport to nearest medical facility for additional treatment.
<b>Eye Contact:</b>	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention, preferably from an ophthalmologist.
<b>Skin Contact:</b>	IF ON SKIN (or hair): Remove contaminated clothing and shoes immediately. Flush skin with running water for at least 15 minutes. Call a Poison Centre or doctor/physician for advice. Wash contaminated clothing and shoes before reuse.
<b>Inhalation:</b>	IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing. Call a Poison Centre or doctor/physician for advice. Apply resuscitation if victim is not breathing – Administer oxygen if breathing is difficult.
<b>Medical attention and special treatment:</b>	Treat symptomatically. Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved and take precautions to protect themselves.

## 5. FIRE FIGHTING MEASURES

<b>General</b>	Consider evacuation. If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
<b>Flammability Conditions</b>	Combustible liquid; May burn but does not ignite readily.
<b>Suitable Extinguishing Media:</b>	Alcohol stable foam, water spray or fog. Dry chemical powder, Carbon dioxide (CO <sub>2</sub> ) for small fires only. Do not use water in a jet – May spread fire.
<b>Fire and Explosion Hazards</b>	Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.
<b>Hazardous combustion products:</b>	Fire may produce irritating, corrosive and/or toxic gases, including ammonia, hydrogen and oxides of carbon, nitrogen, and sulphur.
<b>Precautions for fire fighters and special protective equipment:</b>	Contain runoff from fire control or dilution water – Runoff may pollute waterways. Wear full protective clothing and self-contained breathing apparatus (SCBA).

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**Auto Ignition temperature:** No Data Available

**Decomposition Temperature:** No Data Available

**Flammability:** No Data Available

**Flash Point:** No Data Available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames). Do not touch or walk through spilled material. Avoid breathing vapours and contact with eyes, skin, and clothing.

**Protective equipment:** Use personal protective equipment as required (see SECTION 8).

**Emergency procedures:** Spill or leak area should be isolated immediately. Keep unnecessary and unprotected personnel from entering the area.

**Environmental Precautions:** Prevent from entering the soil, ditches, sewers, waterways, and/or groundwater. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for Containment and clean up:** Stop leak if safe to do so – Prevent entry into waterways, drains, or confined areas. Absorb with earth, sand, or other non-combustible material and transfer to a suitable container for disposal (see SECTION 13). Use non-sparking tools to collect absorbed material. Wash away remainder with plenty of water.

## 7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

**Conditions for safe storage:** Keep in the original container. Store locked up. Store in a cool, dry, and well-ventilated place, out of direct sunlight. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources – No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10).

**Precautions for safe handling:** Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation – Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing mist/vapours/spray and contact with eyes, skin, and clothing. Do not ingest. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection (see SECTION 8). Combustible liquid: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources – No smoking. Ground and bond container and receiving equipment. Electrical installations/working materials must comply with the technological safety standards.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure control measures:</b>	2-Butoxyethanol: Safe Work Australia Exposure Standard – TWA = 20 ppm (96.9 mg/m <sup>3</sup> )  Ammonia: Safe Work Australia Exposure Standard – TWA = 25 ppm (17 mg/m <sup>3</sup> )  Ethanol: National Occupational Health & Safety Commission – TWA (8hr): 1880 mg/m <sup>3</sup>
<b>Biological Monitoring</b>	No information available.
<b>Engineering Controls</b>	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.
<b>Personal Protective Equipment</b>	
<b>Eye and Face</b>	Wear appropriate eye protection to avoid eye contact. Wear safety goggles.
<b>Skin</b>	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
<b>Respiratory</b>	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment with a filter suitable for organic gases and vapours (refer to AS/NZS 1715 & 1716).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Green
<b>Odour:</b>	Sharp, irritating
<b>pH:</b>	10.9 – 11.4
<b>Solubility:</b>	Miscible with water
<b>Auto Ignition temperature:</b>	No Data Available
<b>Decomposition Temperature:</b>	No Data Available
<b>Evaporation Rate:</b>	No Data Available
<b>Flammability:</b>	No Data Available
<b>Flash Point:</b>	No Data Available

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<b>Boiling Point:</b>	No Data Available
<b>Melting/Freezing Point:</b>	No Data Available
<b>Freezing Point</b>	No Data Available
<b>Odour Threshold:</b>	No Data Available
<b>Partition coefficient: n-octanol/water</b>	No Data Available
<b>Relative Density:</b>	No Data Available
<b>Upper Flammability Limit</b>	No Data Available
<b>Lower Flammability Limit:</b>	No Data Available
<b>Explosive limits:</b>	No Data Available
<b>Vapour density:</b>	No Data Available
<b>Vapour pressure;</b>	No Data Available
<b>Viscosity:</b>	No Data Available
<b>Biopersistence:</b>	No Data Available
<b>Crystallinity:</b>	No Data Available
<b>Dustiness:</b>	No Data Available
<b>Particle size:</b>	No Data Available
<b>Redox potential:</b>	No Data Available
<b>Release of invisible flammable vapours and gases</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available

## 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	Avoid heat, sparks, open flames, and other ignition sources.
<b>Incompatible materials:</b>	Incompatible/reactive with strong acids, strong oxidising agents, amines, acid chlorides.
<b>Hazardous decomposition products:</b>	Decomposition can produce Aldehydes, Ammonia, Ketones, Organic acids and oxides of Carbon.

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**Hazardous reactions or Polymerisation:** Polymerisation will not occur.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

- Ingestion:** Harmful if swallowed. Massive ingestion of this product may produce metabolic acidosis and subsequent secondary effects such as hemolysis, central nervous system and kidney effects.
- Eye contact:** Causes serious eye irritation. May cause moderate corneal injury. Effects may be slow to heal. Vapour may cause eye irritation experienced as mild discomfort and redness.
- Skin contact:** Mild irritant. Brief contact may cause slight skin irritation with local redness. Prolonged contact may cause defatting of skin which can lead to dermatitis.
- Inhalation:** May cause respiratory irritation. Excessive exposure may cause irritation to upper respiratory tract (nose and throat). Symptoms may include headache.
- Acute Toxicity:** 2-Butoxyethanol:  
LD50 – Oral (rat): 1,400 mg/kg [Supplier's SDS]
- Ammonia:  
LD50 – Oral (rat): 350 mg/kg [NICNAS]
- Ethanol:  
LD50 - Oral (rat): 7,060 mg/kg [Supplier's SDS]  
LC50 - Inhalation (rat), 6h: 5,900 mg/m<sup>3</sup> [Supplier's SDS]
- Carcinogenicity:** Not expected to be carcinogenic.
- Mutagenicity:** Not expected to be mutagenic.
- Reproductive:** Not expected to impair fertility.

## 12. ECOLOGICAL INFORMATION

- Ecotoxicity:** 2-Butoxyethanol:  
LC50 (fish): 1,490 mg/L (96 hr) [Supplier's SDS]
- Ammonia:  
LC50 (fish): 0.53 mg/L (96 hr) [Supplier's SDS]
- Persistence and degradability:** No information available.
- Bioaccumulative potential:** No information available.

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**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods:** Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Or refilled at Big Bubble in Midvale.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; DANGEROUS GOODS.

**UN number:** 1170  
**Proper shipping name;** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**DG Class** 3  
**Packing group** III  
**Hazchem** •2Y

### Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

**UN number:** 1170  
**Proper shipping name;** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**DG Class** 3  
**Packing group** III  
**Hazchem** •2Y

### Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

**UN number:** 1170  
**Proper shipping name;** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)  
**DG Class** 3  
**Packing group** III  
**Hazchem** •2Y

## 15. REGULATORY INFORMATION

**Poisons Schedule:** Not scheduled

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

If swallowed, do NOT induce vomiting.

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If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

## 16. OTHER INFORMATION

Revision date: 15/06/2026  
Reason for issue: Update SDS

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.