

# Safety Data Sheet

ISSUE DATE: 22/05/2021

## GLIMMER WINDOW & GLASS CLEANER TRIPLE CONCENTRATE

### 1. Identification

<b>GHS Product identifier</b>	Glimmer
<b>Company Name</b>	Cleaner Future Pty Ltd.
<b>Address</b>	9/8 Garden Road, CLAYTON VIC 3168
<b>Telephone</b>	(03) 9850 3055
<b>Fax Number</b>	(03) 9850 3011
<b>Contact</b>	info@cleanerfuture.com.au
<b>Recommended</b>	Mirror and glass cleaner
<b>Other Names</b>	GLIMMER (Manufacturer's supply code)
<b>Other Information:</b>	Emergency Contact: #13 11 26

### 2. Hazard Identification

Not hazardous according to the criteria of Worksafe Australia.

<b>GHS classification of the substance/mixture</b>	Eye irritation Skin irritation	Category 2B Category 2
<b>Signal Word (s)</b>	WARNING	
<b>Hazard Statement (s)</b>	H315 + H320	Causes skin and eye irritation
<b>Pictogram (s)</b>	GHS02	



#### Precautionary statements

<b>Prevention</b>	P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed.
<b>Response</b>	P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P337 + P313 If eye irritation persists: Get medical 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. Seek medical attention. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
<b>Storage</b>	P403 + P235 Store in a well-ventilated place. Keep cool.
<b>Disposal</b>	P501 Dispose of contents/ container to an approved waste disposal plant.

### 3. Composition/information on ingredients

**Chemical Characterization** Aqueous blend alcohol and glycol ether.

#### Hazardous ingredients

<u>Name</u>	<u>CAS no.</u>	<u>Proportion</u>
Ethanol	64-17-5	MED
Butyl Glycol Ether	111-76-2	LOW

KEY: Proportion, (wt %) - V HIGH >60, HIGH 30 - 60, MED 10 - 29, LOW 1-9, V LOW <1

There are no other hazardous ingredients at concentrations that have to be declared.

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### 4. First-aid measures

<b>Ingestion:</b>	Rinse mouth with water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Skin:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>First Aid Facilities</b>	Maintain eyewash fountain and safety shower in work area.
<b>Advice to Doctor</b>	Treat symptomatically. Consult Poisons Information Centre
<b>Other Information</b>	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26 and New Zealand 0800 764 766) or a doctor.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use extinguishing media most appropriate for the surrounding fire such as water, foam or dry agent (carbon dioxide, dry chemical powder). If safe to do so, move undamaged containers from the fire area. If a significant quantity (>200L) of this product is involved in a fire, call the fire brigade.
<b>Specific hazards arising from the chemical</b>	There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is likely to decompose only after heating to dryness, followed by further strong heating.
<b>Precautions in connection with fire</b>	Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection.

### 6. Accidental release measures

<b>Personal Precautions</b>	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
<b>Personal Protection</b>	Wear protective clothing specified for normal operations (see Section 8)
<b>Clean-up Methods- Small Spillages</b>	Minor spills do not require special clean up measures or emergency procedures. Wear recommended personal protective equipment outlined in Section 8 when containing any spillage.
<b>Large Spillages</b>	Seek expert advice on handling and disposal.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways.

### 7. Handling and storage

<b>Precautions for Safe Handling</b>	Product is safe to handle under normal conditions of use.
<b>Conditions for safe storage</b>	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
<b>Incompatible products</b>	None known
<b>Incompatible materials</b>	None known

### 8. Exposure controls/personal protection

Occupational exposure limit values

<u>Name</u>	<u>STEL</u>		<u>TWA</u>		<u>Footnote</u>
	<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
Ethanol			1880		
Butyl Glycol Ether	242		96.6		

**Appropriate engineering controls** In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.

**Personal Protective Equipment** Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.

**Respiratory Protection** Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours

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or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-face piece SCBA should be used. If respiratory protection is required; institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

<b>Eye Protection</b>	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
<b>Hand Protection</b>	Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Nitrile rubber gloves.
<b>Footwear</b>	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
<b>Body Protection</b>	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
<b>Hygiene Measures</b>	Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping.

## 9. Physical and chemical properties

<b>Appearance</b>	Clear blue liquid
<b>Odour</b>	Characteristic alcohol
<b>Melting Point</b>	~0 °C
<b>Boiling Point</b>	Not determined
<b>Flash point</b>	Not determined
<b>Vapour Pressure</b>	Not determined
<b>Solubility</b>	Soluble in water in all proportions.
<b>Specific Gravity</b>	0.95 g/cm <sup>3</sup> @ 20 °C
<b>pH</b>	6.5 – 7.5 as supplied
<b>Viscosity</b>	~60 cPs @ 20 °C
<b>Percent volatile</b>	> 80 %
<b>Flammability limits</b>	Not determined

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Conditions to Avoid</b>	No special conditions. Refer to storage conditions in Section 7.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition products</b>	Carbon monoxide and carbon dioxide. May release flammable gases.
<b>Possibility of hazardous reactions</b>	Not determined.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Acute toxicity</b>	Harmful if swallowed.
<b>Ethanol</b>	LD50 oral rat 10740 mg/kg (Rat; Experimental value) LD50 dermal rabbit > 16000 mg/kg (Rabbit)

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Health effects from the likely routes of exposure:

<b>Inhalation</b>	Not expected under normal conditions of use. Vapours may cause respiratory irritation.
<b>Skin</b>	Not expected to cause irritation.
<b>Eye</b>	May cause slight irritation/discomfort.
<b>Ingestion</b>	May result in irritation to the gastrointestinal tract.
<b>Target Organs</b>	There is no data to hand indicating any particular health effects on target organs.

#### 12. Ecological information

<b>Ecotoxicity</b>	Low
<b>Persistence and degradability</b>	Low
<b>Toxicity to fish</b>	Ethanol
	LC50 fishes 1 14200 mg/l (96 h; Pimephales promelas; Nominal concentration)
	EC50 Daphnia 1 9300 mg/l (48 h; Daphnia magna)
	LC50 fish 2 13000 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
	EC50 Daphnia 2 10800 mg/l (24 h; Daphnia magna)
	Threshold limit other aquatic organisms 1 : 65 mg/l (72 h; Protozoa)
	Threshold limit algae 1: 1450 mg/l (192 h; Microcystis aeruginosa; Growth rate)
	Threshold limit algae 2: 5000 mg/l (168 h; Scenedesmus quadricauda; Growth rate)

#### 13. Disposal considerations

<b>Disposal Considerations</b>	Avoid release of product to the environment. Product and containers not suitable for landfill. Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycling company. If this is not practical, send to a commercial waste disposal site. Check with Waste Disposal Authority before sending for recycling.
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#### 14. Transport information

<b>U.N. Number</b>	None allocated
<b>UN proper shipping name</b>	None allocated
<b>Transport hazard class(es)</b>	None allocated
<b>Hazchem Code</b>	None allocated
<b>Packing Group</b>	None allocated

#### 15. Regulatory information

<b>Regulatory Information</b>	Ingredients listed in the Australian Inventory of Chemical Substances (AICS).
<b>Poisons Schedule</b>	None allocated.

#### 16. Other Information

<b>Date of preparation or last revision of SDS</b>	22 May 2019
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*THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS.*