

## SAFETY DATA SHEET

### Section 1: IDENTIFICATION

#### MICROL

**Recommended Use:** For rinsing or drying of instruments and surfaces.  
**Product Code:** 130192 (12x500mL).

**Whiteley Corporation Pty Ltd**  
(A.C.N. 000 906 678)

Postal Address: P. O. Box 1076 North Sydney NSW 2059  
Telephone Number: (02) 9929 9155 Facsimile: (02) 9929 9077  
Web: [www.whiteley.com.au](http://www.whiteley.com.au)

Emergency Telephone Number: Poisons Information Centre (National) 131126

Distributed in New Zealand by:

**Whiteley Corporation NZ Limited**

Address: PO Box 22-519 Otahuhu, Auckland, New Zealand 1640  
Telephone Number: 092737313, 0800 257 352

Emergency Telephone Number: New Zealand Poisons Centre 0800 POISON or 0800 764 766

### Section 2: HAZARDS

#### GHS Classification

Flammable liquid (Category 2)  
Eye irritant (Category 2)

Signal Word **DANGER**

#### Pictogram



#### Hazard Statements

H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation

#### Precautionary Statements

P210	Keep away from open flames. No smoking
P233	Keep container tightly closed.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash hands thoroughly after handling
P280	Wear eye protection

Response Statements

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use dry chemical, carbon dioxide or alcohol stable foam for extinction.

Storage Statements

P403 + P235	Store in a well-ventilated place. Keep cool.
----------------	--

Disposal Statements

P501	Dispose of container in accordance with local regulations.
------	--

HSNO Classifications

3.1C	Flammable liquid – high hazard.
6.4A	Irritating to the eye

**Section 3: COMPOSITION INFORMATION**

Ingredient	CAS No	Proportion
Ethanol	64-17-5	>60%
Ingredients deemed not to be hazardous	Not applicable	To 100%

**Section 4: FIRST AID**

<b>Eye (Contact)</b>	Hold eyelids apart and flush the eye continuously with running water.
<b>Skin (Contact)</b>	Remove contaminated clothing and flush skin and hair with running water.
<b>Inhalation (Breathing)</b>	Remove victim from exposure. Allow patient to assume most comfortable position and keep warm. Oxygen may be administered by qualified personnel if breathing is difficult. Seek medical attention if effects persist.
<b>Ingestion (Swallowing)</b>	DO NOT induce vomiting. Give water to drink if conscious. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
<b>Advice to Doctor</b>	Treat symptomatically as for excessive exposure to alcohol.
<b>First Aid Facilities</b>	Ensure an eye wash and safety shower is available and ready for use.
<b>Additional Information</b>	No aggravated medical conditions are known to be caused by exposure to this product.

**Section 5: FIREFIGHTING MEASURE**

<b>Suitable Extinguishing Media</b>	Use dry chemical, carbon dioxide, alcohol stable foam, fine water spray or fog type extinguishers.
<b>Hazards from Combustion Products</b>	Carbon monoxide and/or carbon dioxide may be produced.

**Precautions for Fire Fighters and Special Protective Equipment** Firefighters should wear self-contained breathing apparatus (SCBA) and complete protective clothing.  
Vapours are heavier than air and will 'travel' to low-level areas and/or spread fires.  
Remove containers from path of fire if safe to do so.  
Water may be used to cool exposed containers.  
Burns with a colourless flame.

**Additional Information** Hazchem Code – 2[Y]E

### Section 6: ACCIDENTAL RELEASE MEASURES

**Emergency Procedure** SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide - 14.  
Eliminate all sources of ignition. Ventilate area thoroughly and wear a suitable respirator if necessary to minimise inhalation. Wear suitable personal protective equipment such as protective gloves to prevent skin contact.

**Spills / Clean up** Eliminate all sources of ignition. Stop leak if safe to do so. Prevent spill entering waterways.  
For larger spills (greater than 1L) – contain spill by placing inert, non-combustible absorbent material such as toweling, vermiculite, sand or dirt onto spill.  
For small spills (less than 1L) – can be wiped up using clean rags.  
Collect material using non-sparking tools and place into a suitable container for disposal according to local regulations. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

### Section 7: HANDLING AND STORAGE

**Precautions for Safe Handling** Contact Whiteley Corporation sales representative for advice when using this product for any application other than that outlined on the label or technical bulletin.  
Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment.  
Do not use product near sources of ignition.  
Store product in original container.  
Wash thoroughly after handling product.

**Conditions for Safe Storage** Store as Class 3 Flammable Liquid in accordance with Australian Standard 1940, The storage and handling of flammable and combustible liquids. Store in a cool, dry, well ventilated area away from sources of ignition. Store away from heat, naked flames or sparks. Keep container tightly sealed and store away from incompatible materials. Store below 30°C.

### Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**National Exposure Standards** – Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
Ethanol	64-17-5	1000ppm	-

**Biological Limit Values** No data available.

**Engineering Controls** Use only in a well-ventilated area.

**Personal Protective Equipment**

Eye/face protection – Safety glasses or chemical resistant goggles should be worn to prevent eye contact.

Skin protection – Use suitable protective clothing, such as impervious gloves, apron, face shield and chemical resistant boots to prevent skin contact.

Respiratory protection – If necessary, use an approved respirator with organic vapour filters.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES			
<b>Appearance</b>	Clear colourless liquid	<b>Odour</b>	Ethanol
<b>Odour Threshold</b>	No data available	<b>pH</b>	Approx. 7.00
<b>Freezing Point</b>	Approx. 0°C	<b>Initial Boiling Point</b>	No data available
<b>Boiling Range</b>	No data available	<b>Flash point</b>	13°C
<b>Evaporation Rate</b>	No data available	<b>Flammability</b>	No data available
<b>Upper flammability limit</b>	19%	<b>Lower flammability limit</b>	3%
<b>Vapour Pressure</b>	No data available	<b>Vapour Density</b>	No data available
<b>Relative Density</b>	0.900	<b>Solubility</b>	Soluble in water
<b>Partition Coefficient: n-octanol/water</b>	No data available	<b>Autoignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available	<b>Viscosity</b>	Approx. 1 cPs

Section 10: STABILITY AND REACTIVITY	
<b>Chemical Stability</b>	Product is stable and will not undergo any hazardous reactions under normal conditions of use and storage.
<b>Conditions to avoid</b>	Avoid high temperatures (store below 30°C). Protect against physical damage.
<b>Incompatible materials</b>	Incompatible with strong oxidising agents.
<b>Hazardous decomposition products</b>	Not known.
<b>Hazardous reactions</b>	Not known.

Section 11: TOXICOLOGICAL INFORMATION	
<b>Acute toxicity</b>	May cause nausea and vomiting.
<b>Skin corrosion/irritation</b>	No data available.

<b>Serious eye damage/irritation</b>	May cause transient eye irritation.
<b>Respiratory or skin sensitisation</b>	Repeated skin exposure may cause dryness and cracking.
<b>Germ Cell Mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity</b>	No data available.
<b>Specific Target Organ Toxicity – Single Exposure</b>	No data available.
<b>Specific Target Organ Toxicity – Repeated Exposure</b>	No data available.
<b>Aspiration Hazard</b>	No data available.

<b>Section 12: ECOLOGICAL INFORMATION</b>
---

<b>Ecotoxicity</b>	No data available.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No data available.

<b>Section 13: DISPOSAL CONSIDERATIONS</b>
--

<b>Disposal method</b>	Disposal to sewer is normally recommended with copious amounts of water. Refer to State/Territory Land Waste Management Authorities if applicable. Containers are recyclable and can be disposed of by a licensed waste contractor. Containers can be disposed of to general waste or rinsed thoroughly and recycled.
<b>Special precautions</b>	Suitable for incineration by approved agent.

<b>Section 14: TRANSPORT INFORMATION</b>
--

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

<b>UN Number</b>	1170
<b>UN Proper Shipping Name</b>	ETHANOL SOLUTION
<b>Class and subsidiary risk</b>	3 – Flammable

**Packing Group** II  
**Special precautions for user** None known  
**Hazchem Code** •2YE

**Section 15: REGULATORY INFORMATION**

Poisons Schedule (SUSMP): Not applicable.

HSNO Approval Code: HSR002528

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

This document has been produced in accordance with the requirements of the Globally Harmonised System of Classification and Labelling.

**Section 16: OTHER INFORMATION**

**Date of preparation:** 6<sup>th</sup> January 2022

© This document remains property of Whiteley Corporation Pty Ltd.  
Alterations are not permitted without prior written authorisation from Whiteley Corporation Pty Ltd.