

SAFETY DATA SHEET

Section 1: IDENTIFICATION

MICROL

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



Whiteley Medical

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Distributed in New Zealand by:

Whiteley Corporation NZ Limited

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 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)

Signal Word **DANGER**

Hazard Statements

H225	Highly flammable liquid and vapour
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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

Response Statements

P370 + P378	In case of fire: Use dry chemical, carbon dioxide or alcohol stable foam for extinction.
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Storage Statements

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

P501	Dispose of container in accordance with local regulations.
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HSNO Classifications

3.1C	Flammable liquid – high hazard.
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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

Eye (Contact)	Hold eyelids apart and flush the eye continuously with running water.
Skin (Contact)	Remove contaminated clothing and flush skin and hair with running water.
Inhalation(Breathing)	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.
Ingestion (Swallowing)	DO NOT induce vomiting. Give water to drink if conscious. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
Advice to Doctor	Treat symptomatically as for excessive exposure to alcohol.
First Aid Facilities	Ensure an eye wash and safety shower is available and ready for use.
Additional Information	No aggravated medical conditions are known to be caused by exposure to this product.

Section 5: FIREFIGHTING MEASURE
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Suitable Extinguishing Media	Use dry chemical, carbon dioxide, alcohol stable foam, fine water spray or fog type extinguishers.
Hazards From Combustion Products	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.
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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			
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Appearance	Clear colourless liquid	Odour	Ethanol
Odour Threshold	No data available	pH	Approx. 7.00
Freezing Point	Approx. 0°C	Initial Boiling Point	No data available
Boiling Range	No data available	Flash point	13°C
Evaporation Rate	No data available	Flammability	No data available
Upper flammability limit	19%	Lower flammability limit	3%
Vapour Pressure	No data available	Vapour Density	No data available
Relative Density	0.900	Solubility	Soluble in water
Partition Coefficient: n-octanol/water	No data available	Autoignition temperature	No data available
Decomposition temperature	No data available	Viscosity	Approx. 1 cPs

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

Section 11: TOXICOLOGICAL INFORMATION	
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Acute toxicity	May cause nausea and vomiting.
Skin corrosion/irritation	No data available.
Serious eye damage/irritation	May cause transient eye irritation.
Respiratory or skin sensitisation	Repeated skin exposure may cause dryness and cracking.

Germ Cell Mutagenicity	No data available.
Carcinogenicity	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.
Reproductive toxicity	No data available.
Specific Target Organ Toxicity – Single Exposure	No data available.
Specific Target Organ Toxicity – Repeated Exposure	No data available.
Aspiration Hazard	No data available.

Section 12: ECOLOGICAL INFORMATION

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

Section 13: DISPOSAL CONSIDERATIONS
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Disposal method	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.
Special precautions	Suitable for incineration by approved agent.

Section 14: TRANSPORT INFORMATION
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Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

UN Number	1170
UN Proper Shipping Name	ETHANOL SOLUTION
Class and subsidiary risk	3 – Flammable
Packing Group	II
Special precautions for user	None known
Hazchem Code	2[Y]E

Section 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): 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: 9th September 2016

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