



## MATERIAL SAFETY DATA SHEET

### Section 1: IDENTIFICATION

#### MEDAC

**Recommended Use:** Acidic detergent.

**Product Code:** 130125(2x5L)



#### Whiteley Medical

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

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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

### Section 2: HAZARDS

Classified as hazardous by the criteria of Safe Work Australia.

Dangerous Goods Class 8 - Corrosive.

- R34: Causes burns.  
S23: Do not breathe spray  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36: Wear suitable protective clothing.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)

### Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Ingredients deemed not to be hazardous	Not applicable	To 100%
Phosphoric Acid	7664-38-2	30-<60%
Nitric Acid	7697-37-2	<10%

### Section 4: FIRST AID

- Eye (Contact)** Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical attention immediately.
- Skin (Contact)** Remove contaminated clothing and flush skin and hair with running water. Seek medical attention.
- Inhalation(Breathing)** Remove victim to fresh air. Oxygen may be administered by qualified personnel if breathing is difficult. If not breathing, give artificial respiration. Seek medical attention
- Ingestion (Swallowing)** DO NOT induce vomiting. If victim is conscious and alert, rinse mouth with water. Never give anything by mouth to an unconscious person. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.

<b>Advice to Doctor</b>	Treat symptomatically based on individual reactions of patient and judgement of doctor.
<b>First Aid Facilities</b>	Ensure an eye bath and safety shower are 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>	This product is not flammable. Use extinguishing media suited to the materials that are burning. eg. Dry chemical, CO <sub>2</sub> or water spray.
<b>Hazards From Combustion Products</b>	Thermal decomposition may be produce toxic gases including oxides of nitrogen and phosphorous.
<b>Precautions For Fire Fighters and Special Protective Equipment</b>	Firefighters must wear full protective clothing including self contained breathing apparatus and chemical splash suit. Ensure that spillage does not enter drains or water courses. Remove from the vicinity containers not involved in the fire.
<b>Additional Information</b>	<b>Hazchem Code – 2X</b>

### Section 6: ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedure</b>	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide (Guide 37) – for large volumes.
<b>Spills / Clean up</b>	Clean up personnel should wear full protective clothing. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material, such as toweling, sand, vermiculite or other inert material. Prevent spill entering sewers or waterways. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. 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

<b>Precautions for Safe Handling</b>	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 severe personal injury or damage to equipment. Store product in original container. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.
<b>Conditions for Safe Storage</b>	Store in a cool, dry, well ventilated area away from incompatible materials. Keep container tightly sealed. Store out of direct sunlight.

### 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>
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Phosphoric Acid	7664-38-2	1mg/m <sup>3</sup>	3mg/m <sup>3</sup>
Nitric Acid	7697-37-2	5.2mg/m <sup>3</sup>	10mg/m <sup>3</sup>

**Biological Limit Values**

Not available.

**Engineering Controls**

Ensure adequate ventilation to keep airbourne concentrations below exposure standards.

**Personal Protective Equipment**

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

Skin protection – Use nitrile rubber gloves, long sleeve shirt, pants and enclosed shoes to prevent skin contact.

Respiratory protection – If the potential exists for the production of mists or if the chemical is being sprayed wear an approved respirator.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Clear thin liquid**Boiling Point** Not Available.**Odour** Mild**Freezing Point** Not Available.**pH** < 1**Solubility** Soluble in water.**Specific Gravity** 1.22**Flash Point** Not Applicable.**Vapour Pressure** Not Available.**Upper and Lower Flammability limits (in air)** Not Applicable.**Vapour Density** Not Available.**Ignition Temperature** Not Applicable.

### Section 10: STABILITY AND REACTIVITY

**Chemical Stability**

Stable under normal ambient storage conditions.

**Conditions to avoid**

Avoid extreme temperatures (store above 10°C and below 30°C). Protect against physical damage.

**Incompatible materials**

Incompatible with strong caustics, metals and bases.

**Hazardous decomposition products**

Toxic gases and vapours such as oxides of phosphorous and oxides of nitrogen.

**Hazardous reactions**

May react with metals to produce flammable hydrogen gas. May react violently with bases. May produce poisonous gases when reacted with sulphide, phosphide, cyanide, carbide and silicides.

### Section 11: TOXICOLOGICAL INFORMATION

**HEALTH EFFECTS****Acute****Swallowed**

Causes burns to the mouth, throat and stomach. May be harmful if swallowed.

**Eye**

Causes eye burns. May cause permanent damage if not treated immediately.

**Skin**

Causes irritation and burns. May be harmful if absorbed through the skin.

**Inhaled**

Like most acids, inhalation of vapours/mist/spray can be extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Chronic**

<b>Swallowed</b>	None known.
<b>Eye</b>	None known.
<b>Skin</b>	None known.
<b>Inhalation</b>	None known.

**TOXICITY DATA**

Phosphoric acid	LD <sub>50</sub> 1530mg/kg (oral, rat)	RTECS TB6300000
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**Section 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Not available.
<b>Persistence and degradability</b>	Not available.
<b>Mobility</b>	Not available.

**Section 13: DISPOSAL CONSIDERATIONS**

<b>Disposal method</b>	Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Rinse empty containers thoroughly before recycling or disposing to an authorised landfill.
<b>Special precautions</b>	Normally suitable for incineration by approved agent.

**Section 14: TRANSPORT INFORMATION**

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).	
<b>UN Number</b>	1760
<b>UN Proper Shipping Name</b>	CORROSIVE LIQUID, N.O.S.
<b>Class and subsidiary risk</b>	8 – Corrosive
<b>Packing Group</b>	III
<b>Special precautions for user</b>	Not applicable
<b>Hazchem Code</b>	2X

**Section 15: REGULATORY INFORMATION**

Poisons Schedule (SUSDP): Schedule 6 – POISON.

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

**Section 16: OTHER INFORMATION**

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