

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)

Postal Address: P. O. Box 1076 North Sydney NSW 2059

Telephone Number: (02) 9929 9155 Facsimile: (02) 9929 9077

Emergency Telephone Number: Poisons Information Centre (National) 131 126

Distributed in New Zealand by:

Protec Solutions Limited

Postal Address: P. O. Box 15259 Wellington NZ 6022

Telephone Number: 04 387 7231 Facsimile: 04 387 7232

Emergency Telephone Number: New Zealand Poisons Centre 00800 POISON or 0900 764 766

Section 2: HAZARDS

Classified as hazardous by the criteria of NOHSC.

Dangerous Goods Class 8 - Corrosive.

- R8: Contact with combustible material may cause fire.
- R34: Causes burns.
- R36/38 Irritating to eyes and skin.
- 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.)

HSNO Classifications:

8.2C Corrosive to dermal tissue

8.3A Corrosive to ocular tissue

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.

Skin (Contact)	Remove contaminated clothing and flush skin and hair with running water.
Inhalation(Breathing)	Remove to fresh air. If not breathing give artificial respiration.
Ingestion (Swallowing)	DO NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
Advice to Doctor	Treat symptomatically.
First Aid Facilities	Ensure an eye bath and safety shower are 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

Suitable Extinguishing Media	This product is not flammable. Use extinguishing media suited to the materials that are burning. eg. Dry chemical, CO ₂ or water spray.
Hazards From Combustion Products	Carbon dioxide and other toxic gases may be produced in the case of fire.
Precautions For Fire Fighters and Special Protective Equipment	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.
Additional Information	Hazchem Code – 2X

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide (Guide 37) – for large volumes.
Spills / Clean up	For small volumes (approximately less than 1L) - 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

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 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.
Conditions for Safe Storage	Store in a cool, dry, well ventilated area away from incompatible

materials. Keep container tightly sealed.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

National Exposure Standards – Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003] & New Zealand Workplace Exposure Standards 2002

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
Phosphoric Acid	7664-38-2	1mg/m ³	3mg/m ³
Nitric Acid	7697-37-2	5.2mg/m ³	10mg/m ³

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 – Respirator is not usually necessary but if product is being used in a confined area where mist is a problem, use an approved respirator.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear thin liquid

Boiling Point Not Available.

Odour Mild

Freezing Point Not Available.

pH < 2

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.

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.
Eye	Causes irritation or burning.
Skin	Causes irritation or burning.
Inhaled	May cause irritation of respiratory system.

Chronic

Swallowed	None known.
Eye	None known.
Skin	None known.
Inhalation	None known.

TOXICITY DATA

Phosphoric acid	LD ₅₀ 1530mg/kg (oral, rat)	RTECS TB6300000
-----------------	--	-----------------

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity Not available.

Persistence and degradability Not available.

Mobility Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal method 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.

Special precautions 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).

UN Number	1760
UN Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Class and subsidiary risk	8 – Corrosive
Packing Group	III
Special precautions for user	Not applicable
Hazchem Code	2X

Section 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): Schedule 6 – POISON.

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

HSNO Approval Code: HSR002526

Section 16: OTHER INFORMATION

Date of preparation: 4th February, 2009

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