



## MATERIAL SAFETY DATA SHEET

### Section 1: IDENTIFICATION

#### MEDIZYME

**Recommended Use:** Enzyme detergent.

**Product Code:** 131042 (2x5L), 131034 (12x500mL), 131045 (15L).

#### Whiteley Medical

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

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Web: [www.whiteley.com.au](http://www.whiteley.com.au)

Emergency Telephone Number: Poisons Information Centre (National) 131126

### Section 2: HAZARDS

Not classified as hazardous by the criteria of Safe Work Australia.

### Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Ingredients deemed not to be hazardous	Not applicable	To 100%
Enzyme	9000-90-2	<1%
Enzyme	9014-01-1	<1%

### 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. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
<b>Advice to Doctor</b>	Treat symptomatically for strong detergent containing proteolytic enzymes.
<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>	Use dry chemical powder, foam, water spray or fog type extinguishers for product that is burning.
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<b>Hazards From Combustion Products</b>	Toxic and/or irritating fumes including carbon monoxide and carbon dioxide may be emitted.
<b>Precautions For Fire Fighters and Special Protective Equipment</b>	Keep containers cool by spraying with water.
<b>Additional Information</b>	<b>Hazchem Code</b> – Not applicable.

### Section 6: ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedure</b>	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide – Not applicable.
<b>Spills / Clean up</b>	Slippery when spilled. Personal protective equipment should be worn when cleaning up spills. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material, such as 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-authorised use of this product may result in personal injury or damage to equipment. Store product in original container. Wash hands and face thoroughly after handling.
<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>
Proteolytic Enzyme	9014-01-1	60ng/m <sup>3</sup>	-----

**Biological Limit Values** Not available.

**Engineering Controls** Not normally required.

**Personal Protective Equipment**



Eye/face protection – Safety glasses or chemical resistant goggles should be worn to prevent eye contact.  
Skin protection – Use rubber gloves to prevent skin contact.  
Respiratory protection – Not usually required. However, a suitable respirator should be worn if the potential exists for the generation of aerosols.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b> Clear, pale brown liquid	<b>Boiling Point</b> approximately 100°C
<b>Odour</b> Mild	<b>Freezing Point</b> approximately 0°C
<b>pH</b> 8.00 – 8.50	<b>Solubility</b> Soluble in water.
<b>Specific Gravity</b> 1.065 – 1.080	<b>Flash Point</b> Not Applicable.
<b>Vapour Pressure</b> Not Available.	<b>Upper and Lower Flammability limits (in air)</b> Not Applicable.
<b>Vapour Density</b> Not Available.	<b>Ignition Temperature</b> Not Applicable.

**Section 10: STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under normal ambient storage conditions.
<b>Conditions to avoid</b>	Avoid high temperatures (store below 30°C). Protect against physical damage.
<b>Incompatible materials</b>	None known. Do not mix with other chemicals.
<b>Hazardous decomposition products</b>	None known.
<b>Hazardous reactions</b>	None known.

**Section 11: TOXICOLOGICAL INFORMATION****HEALTH EFFECTS****Acute**

<b>Swallowed</b>	Considered an unlikely route of entry in commercial / industrial environments. May be irritating to gastro-intestinal tract.
<b>Eye</b>	May cause irritation and reddening.
<b>Skin</b>	May cause irritation with prolonged contact.
<b>Inhaled</b>	Inhalation of mist may cause irritation to the upper respiratory tract.

**Chronic**

<b>Swallowed</b>	No effects known.
<b>Eye</b>	No effects known.
<b>Skin</b>	No effects known
<b>Inhalation</b>	Inhalation of enzyme aerosols may cause sensitisation and allergic type reactions

**TOXICITY DATA**

Not available.

**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**

**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**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

**UN Number** Not applicable.

**UN Proper Shipping Name** Not applicable.

**Class and subsidiary risk** Not applicable.

**Packing Group** Not applicable.

**Special precautions for user** Not applicable.

**Hazchem Code** Not applicable.

**Section 15: REGULATORY INFORMATION**

Poisons Schedule (SUSDP): Not applicable.

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

**Section 16: OTHER INFORMATION**

**Date of preparation:** 15<sup>th</sup> August 2013

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