



## SAFETY DATA SHEET

### Section 1: IDENTIFICATION

#### ZEN

**Recommended Use:** Medical Machine Detergent.  
**Product Code:** 260077 (2x5L – wide neck), 260075 (15L).

#### 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  
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

Not a hazardous substance or mixture according to GHS or HSNO criteria.

Signal Word            None

#### Hazard Statements

None

#### Precautionary Statements

None

#### Response Statements

None

#### Storage Statements

None

#### Disposal Statements

None

#### HSNO Classifications

N/A
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### Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Proteolytic Enzyme	9014-01-1	<1%
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 to fresh air.
<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/physician.
<b>Advice to Doctor</b>	Treat symptomatically for detergent containing proteolytic enzymes.
<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 water fog (or if unavailable fine water spray), dry chemical, carbon dioxide or alcohol stable foam.
<b>Hazards From Combustion Products</b>	Carbon dioxide and carbon monoxide may be produced in the case of fire or during thermal decomposition.
<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>	Clean up personnel should wear full protective clothing. Restrict access until completion of clean up. Then ensure adequate ventilation. Stop leak if safe to do so. Contain spill with absorbent material, such as towelling, sand, vermiculite or other inert material. Prevent spill entering stormwater drains or waterways. Collect and dispose of clean up material according to local regulations. Wash away remnants with copious amounts of cold water to sewer. 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 personal injury or damage to equipment. Store product in original container. Wash thoroughly after handling product.
<b>Conditions for Safe Storage</b>	Store in a cool, dry, well ventilated area. Keep container tightly sealed. Store below 30°C 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] & New Zealand Workplace Exposure Standards 2002.

<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** No data available.

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

**Personal Protective Equipment**



Eye/face protection – Safety glasses / face shield / chemical resistant goggles should be worn to prevent eye contact.  
 Skin protection – Use Nitrile gloves or similar to prevent skin contact.  
 Respiratory protection – Respirator is not usually necessary but if required use a half face filter respirator suitable for organic vapours.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear Brown liquid	<b>Odour</b>	Mild
<b>Odour Threshold</b>	No data available	<b>pH</b>	7.50 – 8.50
<b>Freezing Point</b>	Approx. 0 <sup>o</sup> C	<b>Initial Boiling Point</b>	Approx. 100 <sup>o</sup> C
<b>Boiling Range</b>	No data available	<b>Flash point</b>	No data available
<b>Evaporation Rate</b>	No data available	<b>Flammability</b>	No data available
<b>Upper flammability limit</b>	No data available	<b>Lower flammability limit</b>	No data available
<b>Vapour Pressure</b>	No data available	<b>Vapour Density</b>	No data available
<b>Relative Density</b>	1.050 – 1.080	<b>Solubility</b>	Completely miscible with 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. 50 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). Do NOT store in direct sunlight.
<b>Incompatible materials</b>	None known. Do not mix with other chemicals.
<b>Hazardous decomposition products</b>	None known.

**Hazardous reactions**      None known.

**Section 11: TOXICOLOGICAL INFORMATION**

<b>Acute toxicity</b>	No data available.
<b>Skin corrosion/irritation</b>	May cause irritation.
<b>Serious eye damage/irritation</b>	May cause irritation.
<b>Respiratory or skin sensitisation</b>	Inhalation of enzyme aerosols may cause sensitisation.
<b>Germ Cell Mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	No data available.
<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.

**Section 12: ECOLOGICAL INFORMATION**

<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.

**Section 13: DISPOSAL CONSIDERATIONS**

<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.

**Section 14: TRANSPORT INFORMATION**

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

<b>UN Number</b>	Not applicable.
<b>UN Proper Shipping Name</b>	Not applicable.
<b>Class and subsidiary risk</b>	Not applicable.
<b>Packing Group</b>	Not applicable.
<b>Special precautions for user</b>	Not applicable.
<b>Hazchem Code</b>	Not applicable.

**Section 15: REGULATORY INFORMATION**

Poisons Schedule (SUSDP): Not applicable.

HSNO Approval Code: Not applicable.

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:** 13<sup>th</sup> September 2016

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