

For emergency information out of hours, phone the Customer Service number above, and follow the menu prompts.

For emergency medical assistance phone 000

1. Product Information			
Product Name: Orthozime	Manufactured by	RUHOF CORPORATION	Supplier
Product Code: 34549	Address	393 Sagamore Avenue, Mineola, NY 11501-1919 USA	Address
Product Use: Medical Instrument Cleaning			
46 Albert Street, Preston, VIC, AUSTRALIA 3072			
2. Hazards Identification			
GHS Classification Respiratory Sensitization Category 1			
Section 2.1 Label Elements			
Hazard Pictograms		Precautionary Statements	
Not Applicable		Prevention <ul style="list-style-type: none"> Wear eye/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. In case of inadequate ventilation wear respiratory protection. 	
Signal Word: Not applicable		Eyes <ul style="list-style-type: none"> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. 	
Hazard Statements: Not Applicable		Inhalation <ul style="list-style-type: none"> IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. 	
3. Composition/Information on Ingredients			
Chemical Name	CAS-No	Weight %	Trade secret
Subtilisins (proteolytic enzymes)	9014-01-1	Below reportable limit	*
<i>*The exact percentage (concentration) of composition has been withheld as a trade secret.</i>			
4. First Aid Measures			
General Advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.		
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Immediate medical attention is required.		
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.		
Inhalation	Move to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.		
Ingestion	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.		
5. Fire-fighting Measures			
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Unsuitable Extinguishing Media	No information available.		
Specific Hazards Arising from the Chemical	May cause sensitization by inhalation Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire and/or explosion do not breathe fumes.		
Explosion Data	Sensitivity to Mechanical Impact - None. Sensitivity to Static Discharge - None.		
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.		
6. Accidental Release Measures			
Personal precautions, protective equipment and emergency procedures	Personal Precautions: Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.		
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas.		
Methods and materials for containment and cleaning up	Methods for Containment: Prevent further leak age or spillage if safe to do so. Methods for Cleaning Up: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.		

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7. Handling and Storage					
Handling	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapours or spray mist. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product.				
Storage	Keep in properly labelled containers. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.				
Incompatible Products	None known based on information supplied.				
8. Exposure Controls / Personal Protection					
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH		
Subtilisins (proteolytic enzymes)	Ceiling: 0.00006 mg/m ³ as crystalline active enzyme	(vacated) STEL:0.00006 mg/m ³	Ceiling: 0.00006 mg/m ³ as crystalline active enzyme		
Appropriate engineering controls	Engineering Measures: Showers, Eyewash stations, Ventilation systems				
Individual protection measures, such as personal protective equipment:					
Eye/Face Protection	Wear safety goggles				
Skin and Body Protection	Lightweight protective clothing. Impervious gloves.				
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.				
Hygiene Measures	When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.				
9. Physical and Chemical Properties					
Physical State	Odour	Appearance	pH	Melting Point/Range	Boiling Point
Liquid	Tropical	Green	6-8	No data available	>100C
Flash point	Flammability Limits	Vapour Pressure	Specific Gravity	Water Solubility	Flammable Properties
No Data Available	No Data Available	No data available	1.01-1.03	Soluble	Not Flammable
10. Stability and Reactivity					
Reactivity	No data available.				
Chemical stability	Stable under recommended storage conditions.				
Possibility of hazardous reactions	None under normal processing.				
Hazardous Polymerization	Hazardous polymerization does not occur.				
Conditions to avoid	None known based on information supplied.				
Incompatible materials	None known based on information supplied.				
Hazardous decomposition products	None known based on information supplied.				
11. Toxicological Information					
Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.				
Eye Contact	Irritating to eyes. Causes serious eye damage.				
Skin Contact	May cause irritation.				
Ingestion	There is no data available for this product.				
Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation		
Subtilisins (proteolytic enzymes)	= 3700 mg/kg (Rat)	-	-		
Delayed and immediate effects and also chronic effects from short and long term exposure					
Sensitization	May cause sensitization of susceptible persons. May cause sensitization by inhalation.				
Carcinogenicity	Contains no ingredients above reportable quantities listed as a carcinogen.				
Chronic Toxicity	Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.				
Target Organ Effects	Respiratory system. Eyes. Skin.				

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12. Ecological Information				
Ecotoxicity	The product is not expected to be hazardous to the environment.			
Persistence and Degradability	No information available.			
Bioaccumulation	The product does not contain any substances expected to be bioaccumulating.			
Other Adverse Effects	No information available.			
13. Disposal Considerations				
Waste Disposal Methods	Dispose of in accordance with federal, state, and local regulations			
Contaminated Packaging	Do not re-use empty containers.			
14. Transport Information				
DOT	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).			
15. Regulatory Information				
Safety, health and environmental regulations/legislation specific for the substance or mixture				
EU Legislation	The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20 th May 2010 amending regulation (EC) No 1907/2006			
Australian Regulations	Prepared according to Safe Work Australia's Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals.			
16. Other Information				
NFPA	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazards
HMIS	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal Protection X
<p>Prepared By Big Green Surgical Company 46 Albert Street, Preston VICTORIA, AUSTRALIA 3072</p> <p>Revision Date: 19-01-2016</p> <p>General Disclaimer The information provided in this safety data sheet has been obtained from sources believed to be reliable. The manufacturer provides no warranties; either expressed or implied, and assumes no responsibility for accuracy or completeness of the data contained herein. The information is offered for your consideration and investigation. You should satisfy yourself that you have all current data relevant to your particular use. The manufacturer knows of no medical conditions other than those noted on this safety datasheet, which are generally recognized as being aggravated by exposure to this product.</p> <p style="color: red;">End of Safety Data Sheet</p>				