	Section 1 - Product Information		
Product Name: Protozyme		Supplier	The Ruhof Corporation
Product Code: 34562	Information Phone: 1-800-537-8463	Address	393 Sagamore Avenue Mineola NY 11501
Product Use: Medical Instrument Cleaning	Emergency Contact: 1-800-424-9300 (Chemtrec)	Address	

## Section 2 - Hazards Identification

# GHS Classification This product is not classified as hazardous

# Section 2.1 Label Elements

Hazard Pictograms

Prevention

• Wear eye/face protection.

• Avoid breathing dust/fume/gas/mist/vapors/spray.

• In case of inadequate ventilation wear respiratory protection.

Not Applicable

Eyes
• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

**Precautionary Statements** 

present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Signal Word: Not Applicable

Hazard Statements: Not Applicable Inhalation

 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.

Section 3 - Composition/Information on Ingredients					
Chemical Name	CAS-No	Weight %	Trade secret		
Subtilisins (proteolytic enzymes)	9014-01-1	Below reportable limit	*		

 $<sup>{\</sup>it *The\ exact\ percentage\ (concentration)\ of\ composition\ has\ been\ withheld\ as\ a\ trade\ secret.}$ 

### 4 FIRST AID MEASURES

4. FIRST AID MEASURES			
General Advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/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 vapors. 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

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 leakage 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 labeled containers.

# 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 vapors 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 labeled 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.

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## 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 CH	HEMICAL PROPERTI	ies	
Physical State	Odor	Appearance	рН	Melting Point/Range	Boiling Point
Powder	None	White Granular Powder	7-9.5	No data available	>100C
Flash Point	Flammability Limits	Vapor Pressure	Specific Gravity	Water Solubility	Flammable Properties
No data available	No data available	No data available	1.01-1.03	Soluble	Not Flammable
Tro data avanabro	The data dyander		AND REACTIVITY	Solubio	Troc T lammable
Reactivity No data available.					
	Chemical stability		Stable under recommended storage conditions.		
ı		ione	None under normal processing.		
Possibility of hazardous reactions Hazardous Polymerization		Hazardous polymerization does not occur.			
Conditions to avoid		None known based on information supplied.			
	Incompatible materials		None known based on information supplied.  None known based on information supplied.		
ц	azardous decomposition prod	luete	None known based on information supplied.  None known based on information supplied		
11	azar dous decomposition prod		CAL INFORMATION	known based on information s	ирриси
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 Na		LD50 Oral	LD50 Derma	l I	.C50 Inhalation
Subtilisins (proteolyt		3700 mg/kg ( Rat )	-		•
	effects and also chronic effects	0, 0 ( )	ynosure	l	
Chronic Toxicity Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.  Respiratory system. Eyes. Skin.  12. ECOLOGICAL INFORMATION					
	Ecotoxicity		The product is r	ot expected to be hazardous t	o the environment.
Persistence and Degradability			No information available.		
Bioaccumulation		The product does not contain any substances expected to be bioaccumulating.			
	Other Adverse Effects	13. DISPOSAL O	ONSIDERATIONS	No information available.	
	Waste Disposal Methods			cordance with fodoral state a	ad local regulations
	Contaminated Packaging		Dispose of in accordance with federal, state, and local regulations  Do not re-use empty containers.		
	Containmateu Fackaging		T INFORMATION	Do not re-use empty containe	15.
	DOT		-	by international regulation or goods (IMDG, IATA, ADR/RID	
			Y INFORMATION		
Safety, health and envir	ronmental regulations/legisla	ntion specific for the substar			
	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 20th May 2010 amending regulation (EC) No 1907/2006		
National Regulations  The Chemicals (Hazard Information and Packaging for Supply) Regulation 1689.Workplace Exposure Limits 2005 (EH40)			upply) Regulations 2002. No		
		16. OTHER I	NFORMATION		
<u>NFPA</u>	Health Hazard 1	Flammabi	lity 0 Ins	tability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health Hazard 1	Flammabi	lity 0 Physic	cal Hazard 0	Personal Protection X



**Prepared By** The Ruhof Corporation 393 Sagamore Avenue Mineola, NY 11501

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# General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**