

Section 1 - Product Information		
Product Name: Liquizime	Supplier	The Ruhof Corporation
Product Code: 34547	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)	
Section 2 - Hazards Identification		
GHS Classification: This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.		
Section 2.1 Label Elements		
Hazard Pictograms  Not Applicable	Precautionary Statements  Hazard Statements: Not Applicable  Precautionary Statements: P501 - Dispose of contents/ container to an approved waste disposal plant.	
Signal Word: Not Applicable		
Section 3 - Composition/Information on Ingredients		
Chemical Name	CAS-No	Weight %
Subtilisins (proteolytic enzymes)	9014-01-1	Below reportable limit
4. FIRST AID MEASURES		
<b>General Advice</b>	No specific measures required.	
<b>Eye Contact</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.	
<b>Skin Contact</b>	Rinse off with water. If symptoms persist, consult a doctor.	
<b>Inhalation</b>	If irritation occurs move to fresh air. If symptoms persist, call a doctor.	
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.	
5. FIRE-FIGHTING MEASURES		
<b>Suitable Extinguishing Media</b>		
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
<b>Specific Hazards Arising from the Chemical</b>		
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases None in particular.		
<b>Explosion Data</b>		
<b>Sensitivity to Mechanical Impact</b>	None.	
<b>Sensitivity to Static Discharge</b>	None.	
<b>Special protective equipment for fire-fighters</b> No further relevant information available.		
6. ACCIDENTAL RELEASE MEASURES		
<b>Personal precautions, protective equipment and emergency procedures</b>		
Use personal protective equipment.		
<b>Methods and materials for containment and cleaning up</b>		
Soak up with inert absorbent material.		
<b>Reference to other sections:</b> See Section 12 for additional		
7. HANDLING AND STORAGE		
<b>Handling</b> No special precautions are necessary if used correctly.		
<b>Hygiene Measures</b> When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.		
<b>Conditions for safe storage, including any incompatibilities</b> Keep out of the reach of children. Keep in properly labeled containers.		
<b>Specific end use(s) Exposure Scenario</b> No information available. <b>Other Guidelines</b> No information available.		
8. EXPOSURE CONTROLS / PERSONAL PROTECTION		
<b>Appropriate engineering controls</b>		
<b>Engineering Measures:</b> Not required based on the use and classification of this product as a non-corrosive.		
<b>Recommended personal protective measures:</b>		
Personal protective equipment should be worn in accordance with OSHA bloodborne pathogen guidelines when handling soiled instruments.		
<b>Eye/Face Protection</b>	Wear safety goggles or face shield if spraying can meet face.	
<b>Skin and Body Protection</b>	Lightweight protective clothing. Impervious gloves.	
<b>Respiratory Protection</b>	If irritation is experienced, NIOSH/MSHA approved respiratory protection can be worn.	
<b>Hygiene Measures</b>	When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.	

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odor	Appearance	pH	Melting Point/Range	Boiling Point
Liquid	None	Yellow	9-10.5	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	1.00-1.01	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	Contains no ingredients above reportable quantities. Product is not expected to be irritating by inhalation.
Eye Contact	May be irritating to eyes.
Skin Contact	May cause irritation.
Ingestion	There is no data available for this product.

### Delayed and immediate effects and also chronic effects from short and long-term exposure

Sensitization	Contains no ingredients above reportable quantities. May cause sensitization of susceptible persons. May cause sensitization by inhalation.
Carcinogenicity	Contains no ingredients listed as a carcinogen.
Chronic Toxicity	Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.
Target Organ Effects	Not Classified.

## 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).
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## 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 2015/830 of 20th May 2015 amending regulation (EC) No 1907/2006.

**US Federal Regulations:** 29 CFR 1910.1200(g)

## 16. OTHER INFORMATION



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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**