

# Elementum Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830; US Federal Regulations 29 CFR 1910.1200(g)

Date of issue: 06/25/2020  
Version: 2.0

Section 1 – Product Information			
Product Name: Elementum	Supplier	The Ruhof Corporation	
Product Code: 54309	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	Precautionary Statements		
Not Applicable	Hazard Statements: Not Applicable		
Signal Word: Not Applicable	Precautionary Statements: P501 - Dispose of contents/ container to an approved waste disposal plant.		
Section 3 – Composition/Information on Ingredients			
Chemical Name	CAS-No	Weight %	
Subtilisins (proteolytic enzymes)	9014-01-1	Below reportable limit	
Lipase	9000-62-1	Below reportable limit	
Amylase	9000-90-2	Below reportable limit	
Cellulase	9012-54-8	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.	

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odor	Appearance	pH	Melting Point/Range	Boiling Point
Liquid	Tropical	Violet	6-8	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

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No data available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	None known based on information supplied.
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous decomposition products</b>	None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation</b>	Contains no ingredients above reportable quantities. Product is not expected to be irritating by inhalation. May be irritating to eyes. May cause irritation. There is no data available for this product.
<b>Eye Contact</b>	
<b>Skin Contact</b>	
<b>Ingestion</b>	

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

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

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	The product is not expected to be hazardous to the environment.
<b>Persistence and Degradability</b>	No information available.
<b>Bioaccumulation</b>	The product does not contain any substances expected to be bioaccumulating.
<b>Other Adverse Effects</b>	No information available.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods</b>	Dispose of in accordance with federal, state, and local regulations
<b>Contaminated Packaging</b>	Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

<b>DOT</b>	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