

# Orthozime EU Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 07/02/2019

Version: 1.0

## Section 1 – Identification of the substance/mixture and of the company/undertaking

<b>1.1 Product identifier:</b> Product Form: mixture Trade Name: Orthozime Registration number: Substances contained in the mixture are registered by the suppliers.				
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>  <b>Recommended use:</b> Medical Instrument Cleaning <b>Uses advised against:</b> No information available	<b>1.3. Details of the supplier of the safety data sheet</b>		<b>1.4 Emergency</b>	
	<b>Supplied by</b> PESKETT SOLUTIONS LTD Unit 4 Brampton Business Park 55 Brampton Road Eastbourne, East Sussex BN22 9AF	<b>Manufactured by</b> The Ruhof Corporation 393 Sagamore Avenue Mineola, NY 11501-1919 USA	Telephone Number 01323 511038 07973 166737	
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## Section 2 – Hazards Identification

Section 2.1 – Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 and its amendments

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.

### 2.2. Label Elements

Hazard Pictogram: Not Applicable	Precautionary Statements: P501 - Dispose of contents/ container to an approved waste disposal plant.
Signal Word: Not Applicable	
Hazard Statements: Not Applicable	

## Section 3 – Composition/Information on Ingredients

3.1. Substance: Not Applicable 3.2 Mixture

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propan-2-ol	(CAS No) 67-63-0 (EC no) 200-661-7 REACH No 01-2119457558-25	1-<5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Alcohols, C9-11, ethoxylated	(CAS No) 68439-46-3 (EC no) 614-482-0	0,1-<1	Eye Dam. 1, H318
Subtilisins (proteolytic enzymes)	(CAS No) 9014-01-1 (EC no) 232-752-2 REACH No 01-2119480434-38	0,1-<1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335
Lipase	(CAS No) 9000-62-1 (EC no) 232-619-9 REACH No 01-2119972939-13	0,1-0,5	Resp. Sens. 1, H334
Amylase	(CAS No) 9000-90-2 (EC no) 232-565-6 (EC index no) 647-015-00-4	0,1-0,5	Resp. Sens. 1, H334

Full text of H-statements and additional information: see section 16

## Section 4 – First Aid Measures

### 4.1. Description of 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.

### 4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects

No further relevant information available.

### 4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician

No further relevant information available.

## Section 5 – Fire Fighting Measures

<b>5.1. Extinguishing media</b> Suitable Extinguishing Media CO2, powder or water spray.	<b>5.3. Advice for firefighters</b> Special protective equipment for fire-fighters No further relevant information available.
<b>5.2. Special hazards arising from the substance or mixture</b> Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases None in particular.	

## Section 6 – Accidental Release Measures

<b>6.1. Personal precautions, protective equipment and emergency procedures</b> Use personal protective equipment.	<b>6.3. Methods and materials for containment and cleaning up</b> Soak up with inert absorbent material.
<b>6.2. Environmental precautions</b> No special measures required.	<b>6.4. Reference to other sections:</b> See Section 12 for additional information.

## Section 7 – Handling and Storage

<b>7.1. Precautions for Safe Handling</b> No special precautions are necessary if used correctly. <b>Information about fire - and explosion protection:</b> No special measures required.	<b>7.2. Conditions for safe storage, including any incompatibilities</b> Keep out of the reach of children. Keep in properly labeled containers. <b>7.3. Specific end use(s) Exposure Scenario</b> No information available. <b>Other Guidelines</b> No information available.
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## Section 8 – Exposure controls/personal protection

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<b>8.1. Control parameters</b>				
Substance	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<b>Propan-2-ol</b> (CAS No) 67-63-0 (EC no) 200-661-7	200	-	400	-
<b>Subtilisins (proteolytic enzymes)</b> (CAS No) 9014-01-1 (EC no) 232-752-2	-	0.00006	-	0.00006

**8.2. Exposure controls**  
**Personal protective equipment**  
**General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.  
**Eye Protection** Not required under normal conditions of use.  
**Skin and Body Protection** Not required under normal conditions of use.  
**Hand Protection** Not required under normal conditions of use.  
**Respiratory Protection** No respiratory protection normally required. In the case of sensitive individuals, respiratory equipment tested and approved under appropriate government standards may be used.

## Section 9 - Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State	Odor	Appearance	pH	Melting Point/Range	Boiling Point
Liquid	Tropical	Green	6-8	No data available	>100C
Flash Point	Flammability Limits	Vapor Pressure	Specific Gravity	Water Solubility	Flammable Properties
Not Flammable	No data available	No data available	1.00-1.01	Soluble	Not Flammable

**9.2. Other information** VOC Content (%) No information available Flammability Limits in Air No data available

## Section 10 - Stability and reactivity

**10.1. Reactivity** No data available.  
**10.2. Chemical stability** Stable under normal conditions.  
**10.3. Possibility of hazardous reactions** None under normal processing.  
**10.4. Conditions to avoid** None known based on information supplied.  
**10.5. Incompatible materials** No information available.  
**10.6. Hazardous decomposition products** None under normal use.

## Section 11 - Toxicological information

**11.1. Information on toxicological effects**  
**Inhalation** Based on available data, the classification criteria are not met.  
**Eye Contact** Based on available data, the classification criteria are not met.  
**Skin Contact** Based on available data, the classification criteria are not met.  
**Ingestion** There is no data available for this product.

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

**Carcinogenicity** Based on available data, the classification criteria are not met.  
**Chronic Toxicity** Based on available data, the classification criteria are not met.

## Section 12 - Ecological information

### 12.1. Toxicity

<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.

### 12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**12.2. Persistence and degradability:** No information available.  
**12.3. Bioaccumulative potential:** No information available.  
**12.4. Mobility in soil** Adsorbs on soil.  
**12.5. Results of PBT and vPvB assessment** No information available.  
**12.6. Other adverse effects** None known

## Section 13 - Disposal considerations

**13.1. Waste treatment methods: Waste from Residues / Unused Products** Dispose of in accordance with local regulations. **Contaminated Packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## Section 14 - Transport information

14.1 UN number N/A	Ground: Non-Hazardous	14.4 Packing group N/A	Product Regulated for Transport No
14.2 UN proper shipping name N/A	Sea: IMDG Class: Non-Hazardous	14.5 Environmental hazards N/A	14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: N/A
14.3 Transport hazard class(es)	Air: ICAO/IATA Class: Non-Hazardous	14.6 Special precautions for user N/A	

## Section 15 - Regulatory information

**15.1 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. Detergent Regulation (EC) No. 648/2004

## Section 16 - Other information

Full text of H-phrases referred to under Sections 3: **H225** Highly flammable liquid and vapour; **H319** Causes serious eye irritation; **H336** May cause drowsiness or dizziness; **H318** Causes serious eye damage; **H315** Causes skin irritation; **H334** May cause allergy or asthma symptoms or breathing difficulties if inhaled; **H335** May cause respiratory irritation.

The percentages reflected in section 3 of this SDS represents the levels of hazardous components in the mixture.

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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