# Safety Data Sheet

Endozime XP

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

**1.1 Product Identifier** — **ENDOZIME XP**

**Registration number** — ECHA-67b3b986-d59d-4d4e-82be-5b18ebbbf282

**1.2 Relevant identified uses of the substance or mixture** — Enzymatic Detergent

**Uses advised against** — Not applicable

**1.3 Supplied by (Authorised Rep. for CE)**

**PESKETT SOLUTIONS LTD**
Unit 4-5 Brampton Business Park
55 Brampton Road
Eastbourne, East Sussex
BN22 9AF

**Manufactured by**

**RUHOF CORPORATION**
393 Sagamore Avenue, Mineola,
New York 11501-1919 USA

Effective Date: 11 October 2011
Data Sheet Reference:
Contact: Matthew Peskett
Email: matthew@ruhof.co.uk

**1.4 Emergency Telephone Number** — 01323 511038, 07973 166737

## Section 2: Hazards Identification

**2.1 Classification of the substance or mixture**

**Product Definition:** Mono-constituent substance

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

| | |
|---|---|
| Eye Contact | **R36** Irritation and Reddening, Category 1. |
| Skin Contact | **R38** Irritation Category 1. |
| Inhalation | **R37** Irritation of respiratory tract, Category 1. |
| Ingestion | **R22** GASTRIC UPSET AND IRRITATION. |

**Classification according to Directive 67/548/EEC, 1999/45/EC and its amendments**

**Medical Conditions Generally Aggravated by Exposure:** **R36/37/38** Sensitivity in nasal area, skin, eyes.

**Category of Danger?** None

**2.2 Label elements**

**Hazard pictograms** None
**Hazard symbols** None
**Risk phrase** R36/37/38 Irritating to eyes, respiratory system and skin

**2.3 Other hazards**

R42- Repeated inhalation of enzyme spray or mist may cause allergic reaction in susceptible persons if used incorrectly.

## Section 3: Composition/information on ingredients

**Substance/mixture** Mono-constituent substance

| Product/ingredient name | Identifier | HSC(UK) WEL | % (Optional) |
|---|---|---|---|
| None | | | |

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

## Section 4: First-Aid Measures:

**4.1 Description of first aid measures**

| | |
|---|---|
| Eye Contact | **S36** Flush 15 minutes with clean water |
| Skin Contact | **S28** Flush with a large amount of water |
| Inhalation | **S63** Remove to fresh air |
| Ingestion | **S62** If ingested (not likely) give one or two glasses of water and consult physician. |

**4.2 Most important symptoms and effects, both acute and delayed**

| | |
|---|---|
| Eye Contact | Irritation and reddening |
| Skin Contact | Irritation |
| Inhalation | Irritation of respiratory tract |
| Ingestion | No specific data |

**4.3 Indication of any immediate medical attention and special treatment needed**

| | |
|---|---|
| Notes to physician | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested. |
| Specific Treatments | No specific treatment |

## Section 5: Firefighting Measures

### 5.1 Extinguishing media

| | |
|---|---|
| Extinguishing Media | Water, Fog, Foam, $CO_2$, DRY CHEMICAL |

### 5.2 Special hazards arising from the substance or mixture

| | |
|---|---|
| Fire/Explosion Hazards | None Known |
| Hazardous Decomposition/Byproducts | None Known |

### 5.3 Advise for firefighters

| | |
|---|---|
| Special Fire Fighting Procedures | Fight surrounding fire use equipment as if chemical fire. |

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

| | |
|---|---|
| For non-emergency personnel | No action shall be taken involving any personal risk without suitable training. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| For emergency responders | If specialised clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also information in “For non-emergency personnel”. |

**6.2 Environmental precautions** This product is full biodegradable. Follow all national or regional regulations for disposal.

### 6.3 Methods and material for containment and cleaning up

| | |
|---|---|
| In Case Material Is Released or Spilled | Flush or Mop to sanitary sewer. Biodegradeable. |

**6.4 Reference to other sections**

See section 1 for emergency contact information.
See section 8 for information on appropriate personal protective equipment.
See section 13 for additional waste treatment information.

## Section 7: Handling and storage

**7.1 Precautions for safe handling** Handle with usual precautions for chemicals. Put on appropriate personal protective equipment (see Section 8). Do no ingest.

**7.2 Conditions for safe storage, including any incompatibilities** Store in a cool dry area in accordance with local regulations. Keep away from oxidants.

### 7.3 Specific end use(s)

| | |
|---|---|
| Recommendations | N/A |
| Industrial sector specific solutions | N/A |

## Section 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

| | |
|---|---|
| Recommended monitoring procedures | If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances. |
| Derived effect levels | No DELs available |
| Predicted effect concentrations | No PECs available |

### 8.2 Exposure Controls

| | |
|---|---|
| Eye Protection | **S39** - WEAR EYE/FACE PROTECTION |
| Hand Protection/Gloves | **S37** - PLASTIC OR RUBBER. |
| Respiratory Protection | **S23** - EN405 (GRADE FFA1P2D) - MASK IF MIST IS LIKELY. |
| Special Clothing/ Equipment | **S36** - APRON. |
| Other Work/Hygiene Precautions | Wash contaminated clothing before reuse. |

## Section 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Appearance: | Clear Green Liquid |
| Odour: | Tropical Odour |
| pH: | 6.0 – 8.0 |
| Boiling Point: | 100°C |
| Melting Point: | N/A |
| Evaporation Rate: | 1 |
| Evaporation Standard: | Water |
| Specific Gravity (Water=1): | 1.0 |
| Vapour Pressure ( mm Hg ): | As Water |
| Relative Density ( Air = 1 ): | N/A |
| Solubility in Water: | Complete |

**9.2 Other information** No additional information

## Section 10: Stability and Reactivity

**10.1 Reactivity** — No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical Stability** — The product is stable.

**10.3 Possibility of hazardous reactions** — Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** — Do not freeze

**10.5 Incompatible materials** — Strong oxidants

**10.6 Hazardous decomposition products** — None Known

## Section 11: Toxicological Information

**11.1 Information on toxicological effects**

| | | | |
|---|---|---|---|
| Carcinogenicity | No | Mutagenicity | No |
| NTP | No | Reproductive Toxin | No |
| IARC | No | Possible Sensitizer | No |
| HSC Regulated | No | | |

## Section 12: Ecological information

**12.1 Toxicity** — Not applicable

**12.2 Persistence and degradability** — Biodegradable

**12.3 Bioaccumulative potential** — Low

**12.4 Mobility in soil** — Not applicable

**12.5 Results of PBT and vPvB assessment**

| | |
|---|---|
| PBT | No<br>P: N/A. B: N/A. T: No. |
| vPvB | N/A<br>vP: N/A. vB: N/A. |

**12.6 Other adverse effects** — No known significant effects or critical hazards.

## Section 13: Disposal Considerations

**13.1 Waste treatment methods**

| | |
|---|---|
| Disposal Method | Landfill or sewer - Biodegradable. Follow all national or regional regulations for disposal. |

## Section 14: Transport Information

**14.1 UN number** — N/A

**14.2 UN proper shipping name** — N/A

**14.3 Transport hazard class(es)** — Ground: Non-Hazardous<br>Sea: IMDG Class: Non-Hazardous<br>Air: ICAO/IATA Class: Non-Hazardous

**14.4 Packing group** — N/A

**14.5 Environmental hazards** — N/A

**14.6 Special precautions for user** — N/A

Product Regulated for Transport — No

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** — N/A

## Section 15: Regulatory Information

**15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture**

| | |
|---|---|
| Special Health and Safety Information: | None |
| Classification: | None |
| Risk, and Safety Information for Label: | N/A |

**15.2 Chemical Safety Assessment** — N/A

## Section 16: Other information

**NFPA 704(USA): Health=1 ; Flammability=0 ; Reactivity=0 ; Special=None**
**Sara Hazards: Fire? No ; Pressure? No ; Reactivity? NO ; Acute? Yes ; Chronic? No**

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