

SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: 3E-zyme
Intended use: Cleaning agent Enzymatic detergent for cleaning re-usable medical instruments and devices. For use at concentrations between 0.3 to 1% in water at 20 C to 45 C.
Company Name: Medisafe UK Ltd
Marketing Address: Twyford Road
Bishop's Stortford
Herts. CM23 3LJ UK
Tel: +44 (0)1279 461641
Fax: +44 (0)1279 461643
E-mail: info@medisafeinternational.com
Website: www.medisafeinternational.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or mixture

Classification under CHIP: This product has no classification under CHIP

2.2 Label elements

Label elements under CHIP: This product has no label elements

2.3 Other hazards

PBT: This substance is not identified as a PBT substance

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Identity: 3E-zyme
Contains: Aqueous solution of enzymes and surfactants and organic acid salts. pH neutral aqueous solution of proteases, lipase and amylase enzymes with corrosion inhibitor and surfactants

4. FIRST-AID MEASURES

4.1 Description of First Aid Measures

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. If irritation persists seek medical advice
Respiratory: Repeated inhalation of spray or mist may cause an allergic reaction in susceptible persons. Remove to fresh air. If symptoms continue, seek immediate medical advice
Ingestion: Wash out mouth with water. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable

SAFETY DATA SHEET



5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

Extinguishing Media: Non-flammable. Select extinguishing agent appropriate to other materials involved. Carbon dioxide. Dry chemical powder. Alcohol or polymer foam.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: Not expected to burn in fire until all water has evaporated. Products of combustion include oxides of carbon.

5.3 Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Refer to section 8 of SDS for personal protection details.

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3 Methods and materials for containment and cleaning up

Clean up procedures: Small spillages may be flushed with large amounts of water.

7. HANDLING & STORAGE

7.1 Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed.

7.3 Specific end use(s)

Specific end use(s): No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limits: Not applicable.

SAFETY DATA SHEET



8.2 Exposure controls

Engineering measures:	Ensure there is sufficient ventilation of the area.
Hand protection:	PVC gloves.
Eye protection:	Safety glasses.
Respiratory:	Avoid formation of aerosols. Provide a well-ventilated workplace or LEV in manual cleaning operations. Persons sensitised to biological washing powders or suffering from asthma should not use the product
Skin protection:	Protective clothing with elasticated cuffs and closed neck.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State:	Liquid		
Oxidising	Non oxidising (by EC criteria)		
Solubility in water:	Soluble		
Boiling point / range °C	100	Flash point °C	Above 100
pH	7 - 9		

10. STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity:	Stable under recommended transport or storage conditions
--------------------	--

10.2 Chemical Stability

Chemical stability:	Stable under normal conditions
----------------------------	--------------------------------

10.3 Possibility of hazardous reactions

Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
-----------------------------	--

10.4 Conditions to avoid

Conditions to avoid:	Boils above 100° C
-----------------------------	--------------------

10.5 Incompatible materials

Materials to avoid:	Strong oxidising agents. Strong bases
----------------------------	---------------------------------------

10.6 Hazardous decomposition products

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity values:	Not applicable
-------------------------	----------------

11.2 Symptoms / routes of exposure

SAFETY DATA SHEET



12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity values: Not applicable

12.2 Persistence and degradability

Persistence and degradability: Biodegradable

12.3 Bioaccumulative potential

12.4 Mobility in soil

Mobility: Soluble in water

12.5 Results of PBT and vPvB assessment

PBT identification: The substance is not identified as a PBT substance

12.6 Other adverse effects

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

Transport class: This product does not require a classification for transport.

15. REGULATORY INFORMATION

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

15.2 Chemical Safety assessment

Chemical Safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

16. OTHER INFORMATION

16.1 Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Medisafe UK Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.