

MEDIZYME Data Sheets

MEDIZYME

Triple Enzyme Instrument and Equipment Cleaner

For the chemical reprocessing of surgical instruments, flexible or rigid endoscopes and devices.

- MEDIZyme triple enzyme instrument and equipment cleaner is a bactericidal multi-enzyme detergent concentrate which dissolves and removes proteinaceous and organic material (blood, saliva, mucus, etc.) from the surfaces of instruments and equipment.
- MEDIZyme is available in 2 litre dilution measure bottles or 20ml sachets
- MEDIZyme is non-foaming (designed as a pre-autoclave or automated system cleaner) and non-corrosive (safe on all metals, plastics, rubbers, etc.)
- MEDIZyme can be diluted at 1 part in 100 parts water for use as a flushing solution (use recommended machine times) in automatic re-processing machines, ultrasonic baths and other automated instrument cleaning systems
- MEDIZyme can be diluted at 1 part in 50 parts water for soaking instruments (10 minutes)
- MEDIZyme is manufactured to BS EN ISO9001:2008 and BS EN ISO13485:2003 quality standards and carries the CE mark of conformity.

T H E S C I E N C E O F I N F E C T I O N C O N T R O L

The imperative of securing absolute cleanliness and high level disinfection of medical instruments has never been more sharply focussed. The Hospital Infection Research Laboratory in Birmingham makes clear that meticulous cleaning of instruments prior to their disinfection is an absolute pre-requisite to their re-processing for future use. This advice is reflected also by the guidelines issued by the British Society of Gastroenterology and the Infection Control Nursing Association.

Advantages

- MedIZyme is the most technically advanced ENZYMATIC based cleaner available
- Tests have shown that the performance of MedIZyme surpasses all comparative branded products in medical chemicals catalogues
- The MedIZyme enzymes perform much better at low temperatures and at a wide range of alkaline pH
- The special multiple enzyme chemistry keeps environmental pollution to a low level
- Waste product arising from the use of MedIZyme emerges at close to neutral pH and is readily biodegradable
- MedIZyme is not a classified irritant (though common sense handling and COSHH rules apply)
- Alcohol and preservatives make up the balance in demineralised water to ensure shelf life and free flowing of the complete formulation

Use of MEDIZyme in machines and tanks

Use in low temperature instrument washing machines (dosages may vary and be subject to trial and manufacturer's recommendation.)

A typical cycle for a single chamber automatic machine might be:

- Pre-cleanse/rinse with cold water 1- 3 mins
- Cold water in - heat to 40°C (or approx.)
- MedIZyme added at 1% solution
- Cleansing temperature around 40-50°C - contact time approx. 5 mins

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- Intermediate rinse (optional)
- Final rinse with water of suitable quality
- Heat disinfect for 5-10 mins. at 90°C+ or chemical sterilisation

Summary of Product Data

Use in Ultrasonic Chambers

A typical application in ultrasonics might be:

- Thoroughly pre-cleanse by rinsing under running water and agitating the surface with a small brush (e.g. on dental burrs)
- Shake off residual water
- Immerse in a 2% solution of MedIZyme in tap water
- Soak for 5 minutes
- Do not exceed 40°C
- Remove, rinse and dry prior to autoclave or chemical sterilisation

As a soak solution in non-ultrasonic tank

- Follow directions for ultrasonic use up to and including preparation of 2%
- Soak for 10 minutes
- Remove, rinse and dry prior to autoclave or chemical sterilisation
- Solution should be changed weekly or if it becomes soiled or cloudy

material compatibility of MedIZyme

Surgical Instruments

Because of the nature of the product chemistry, sensitive materials are protected while stubborn residues and deposits are removed swiftly and completely. Difficult to clean areas such as joints, saw teeth and threads benefit in particular from the use of MedIZyme.

minimally Invasive Surgical Instrument (mISI)

Most cleaning substances find these instruments very problematical because of their intricacy of design. MedIZyme really comes into its own on these instruments. Its use is strongly recommended rather than the use of conventional soap/detergent solutions or even surgical scrubs which are not designed for the purpose.

Anaesthesia equipment

Rubber, latex, various plastics can become embrittled if subjected to the wrong type of cleansing agent. MedIZyme will not present the same problem.

Aluminium (anodised or plain)

No record of adverse impact noted.

Stainless steels and plastic work surfaces

No record of adverse impact noted.

Product	Chemical	Description	Colour	S.G.
Safety Phrases	Toxicology		Risks	Transport
Type				@
MedIZyme 1.04	Protease 2 enzyme	Liquid Soluble 24/25 solution with corrosion inhibitor Amylase Lipase	Green	

Skin: wear gloves when handling concentrate. Wash contact areas thoroughly in water.

Eyes: Protect eyes. Wash copiously in water if contacted.

Ingestion: May disturb digestive process. If ingested, give copious

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water. Seek medical advice.

No special conditions

The details given in this leaflet are correct at the time of going to press. The company reserves the right to change and improve the products without prior notice.

Manufactured in the UK

MEDICHEM INTERNATIONAL

For more information on our products or for technical support contact:
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