

SAFETY DATA SHEET

Triple Enzyme Instrument Cleaner

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product Identifier

Product Name	Enzyme Medical Instrument Cleaner
Product Number	2L-ENZYME/INST & 5L-ENZYME/INST
Container Size	2L & 5L

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses	Class I Medical Device, Enzymatic detergent for medical devices and instruments
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1.3 Details of the supplier of the safety data sheet

Supplier	Safe Solutions (Safe4) Ltd Bostock Road Winsford Cheshire CW7 3BD +44 1606 591900 info@safe4disinfectant.com
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1.4 Emergency telephone number

Emergency telephone	+44 1606 591900 (Office hours only)
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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification

Physical hazards	Skin Irrit. 2 – H315
Health hazards	Eye Irrit. 2 – H319
Environmental hazards	Not classified

2.2 Label elements

Pictogram



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation H315 Causes skin irritation

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2008 (CLP) & 453/2010 (REACH)

Precautionary statements	P101 If medical advice is needed, have product container or label at hand.
	P102 Keep out of reach of children.
	P264 Wash hands thoroughly after handling.
	P280 Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337+P313 If eye irritation persists: Get medical advice/ attention.
	P302+P353 IF ON SKIN: Wash with plenty of soap and water
	P332+P313 If skin irritation occurs: Get medical advice/attention
	P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
	Supplementary precautionary Statements
P321 Specific treatment (see medical advice on this label)	
P362 Take off contaminated clothing and wash before reuse	
P405 Store locked up	
P501 Dispose of contents/container in accordance with national regulations	

2.3 Other hazards

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Propane-1,2-diol		
CAS number: 57-55-6	EC number: 200-338-0	≤15%
Classification	Not Classified	
Propan-2-ol		
CAS number: 67-63-0	EC number: 200-661-7	≤5%
Classification	Flam. Liq. 2 – H225 Eye Irrit. 2 – H319 STOT SE 3 – H336	
Water		
CAS number: 7732-18-5	EC number: 231-791-2	>75%
Classification	Not Classified	

The full text for all Precautionary Phrases and Hazard Statements are displayed in Section 16

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2008 (CLP) & 453/2010 (REACH)

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General information	Treat as symptomatic
Inhalation	Remove person to fresh air and keep comfortable for breathing. Keep affected person under observation.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If breathing stops, provide artificial respiration. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention immediately.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with plenty of soap and water. Get medical attention if symptoms are severe or persist after washing. Wash clothing and clean shoes thoroughly before reuse.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water for at least 15 minutes and get medical attention if eye irritation persists.

4.2 Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Use any fire-extinguishing media suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards Material is not flammable

5.3 Advice for firefighters

Protective equipment Use protective equipment appropriate for surrounding materials

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this data sheet. Do not touch or walk into spilled material. Do not allow product to enter eyes.

6.2 Environmental Precautions

Environmental precautions Do not discharge concentrate into drains or watercourses or onto the ground. Spillages or discharges into watercourses must be reported immediately to the Environment Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning Absorb large spillages with sand or any suitable medium. Flush away small spillages with plenty of water. Do not touch or walk into spilled material. Dispose of contents/container in accordance with local regulations.

6.4. Reference to other sections

Reference to other Sections For personal protection, See Section 8. For waste disposal, see Section 13.

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2008 (CLP) & 453/2010 (REACH)

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Usage precautions Do not handle until all safety precautions have been read and understood. Avoid direct contact with the substance. Avoid skin and eye contact.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool and well-ventilated place. Keep container tightly closed. Keep from freezing.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits No information available.

8.2 Exposure controls

Protective equipment



Appropriate engineering Controls Provide adequate ventilation

Eyes/face protection Wear goggles

Hand protections Wear protective gloves

Other skin and body Wear appropriate clothing to prevent any possibility of skin contact. Wear appropriate footwear. Provide eyewash station.

Respiratory protection Provide adequate ventilation.

SECTION 9: Physical and Chemical Properties

Appearance	Liquid.
Colour	Blue.
Odour	Characteristic.
Odour threshold	No information available.
pH	pH (concentrated solution): 6.5-7.5
Melting point	0 °C
Initial boiling point and range	> 100°C @ 760 mm Hg
Flash point	> 100°C
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	Not flammable.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2008 (CLP) & 453/2010 (REACH)

Vapour pressure	No information available.
Vapour density	No information available.
Relative density	1.05 - 1.55 @ 20°C
Bulk density	No information available.
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	75 mPa s @ 20°C
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.

Oxidising properties Not available.

9.2. Other information

Refractive index	No information available.
Particle size	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity Stable under recommended transport or storage conditions

10.2 Chemical stability

Stability Stable under prescribed storage conditions

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur

10.4 Conditions to avoid

Conditions to avoid Extremes of temperature

10.5 Incompatible materials

Incompatible materials Do not mix with strong acids.

10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects	May cause irritation to skin, eyes and on ingestion
Serious eye damage/irritation	Causes serious eye irritation.
Aspiration hazard	No information available.

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2008 (CLP) & 453/2010 (REACH)

Inhalation No information available.

Ingestion May cause irritation in mouth, oesophagus and stomach.

Skin contact Causes skin irritation.

Notes (oral LD₅₀) LD₅₀ 12900 mg/kg, Oral, Rat

SECTION 12: Ecological information

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1 Toxicity

Acute toxicity - fish LC₅₀, 96 hours: 9640 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 43500 mg/l, Daphnia magna

12.2 Persistence and degradability

Persistence and degradability The product is biodegradable in diluted form.

12.3 Bioaccumulative potential

Bioaccumulative potential BC≤1

Partition coefficient No information available.

12.4 Mobility in soil

Mobility The product is soluble in water.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Small quantities may be flushed away with water.

SECTION 14: Transport information

14.1 UN number

UN no. Not classified

14.2 UN proper shipping name

Proper shipping name (ADR/RID) Not classified

ACCORDING TO EC-REGULATIONS 528/2012 (BPR),
1272/2008 (CLP) & 453/2010 (REACH)

14.3 Transport hazard class(es)

Transport hazard class Not classified

14.4 Packing group

Packing group Not classified

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant Not classified

14.6 Special precautions for user

Special precautions N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

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/legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended)

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

General information Only trained personnel should use this material

Hazard statements in full H319 Causes serious eye irritation
H315 Causes skin irritation
H333 May be harmful if inhaled

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.