

SAFECARE MEDICAL INDUSTRIES LLC

22/06/2023
Version 2

Safety Data Sheet Bensan Quinzyme

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier
Product name : Bensan Quinzyme
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Relevant identified uses:
Product Code : IRQ1001
Main use category : Professional use
Function or use category : Instrument Cleaner
- Uses advised against : No additional information available
- 1.3 : Details of the supplier of the safety data sheet
Supplier
Safecare Medical Industries
KIZAD KHIA 8-18
P.O. Box 133685, Abu Dhabi
United Arab Emirates
- Contact person: Regulatory Affairs – tel. +971 2 506 7333

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture
- Not a hazardous substance or mixture according to regulation (EC) No 1272/2008.

- 2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictograms



GHS07

- Signal word (CLP) : Warning
Hazard statements (CLP) : H319 – Causes serious eye irritation
: H411 – Chronic aquatic toxicity, Category 2
Precautionary statements (CLP) : P273 – Avoid release to the environment.
: P280 – Wear eye protection, protective gloves
: 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
 : P405 – Store locked up

2.3 Other Hazards

Other hazards not contributing to the classification

: None under normal conditions.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances : Not applicable

3.2 Mixtures

Name	Product Identifier	%	Classification according to Regulations (EC) No. 1272/2008 (CLP)
N.N-dimethyldecylamine N-oxide	(CAS-No.) 2605-79-0 (EC-No.) 220-020-5 (REACH-No.) 01-2119959297-22	<1%	Acute toxicity Category 4; N302 Serious eye damage Category 1; H318 Acute aquatic toxicity Category 1; H400 Chronic aquatic toxicity Category 2; H411
Didecyl Dimethyl Ammonium Chloride	(CAS-No.) 7173-51-5 (EC-No.) 230-525-2 (REACH-No.)	<3%	Acute toxicity Category 3; H301 Acute toxicity Category 2; H330 Acute toxicity Category 3; H311 Skin corrosion Sub-category 1B; H314 Serious eye damage Category 1; H318 Acute aquatic toxicity Category 1; H400 Chronic aquatic toxicity Category 1; H410
Substances with Work Place Exposure Limits			
Propylene Glycol	(CAS-No.) 57-55-6 (EC-No.) 200-338-0	15-25%	Not Classified
Polyethylene Glycol	(CAS-No.) 25322-68-3 (EC-No.) 500-038-2	<10%	Not Classified

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

First-aid measures general : No particular / specific measures required.

First-aid measures after inhalation : Acute effects following exposure to this product via inhalation are not expected during normal use.

First-aid measures after skin contact: The use of gloves is recommended when handling this product. Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice / attention.

First-aid measure after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor/physician if you feel unwell.

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

: In all cases of doubt, or when symptoms persist, seek medical attention.

Symptoms/effects after skin contact: Causes skin irritation

Symptoms/effects after eye contact: Causes eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. In all cases of doubt, or when symptoms persist, seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media : Use extinguishing media appropriate for surrounding fire. Water fog, Foam, carbon dioxide (CO2) and powder.

Unsuitable extinguishing media : None known

- 5.2** Special hazards arising from the substance or mixture
- Fire hazard : Not flammable or combustible
 - Explosion hazard : Product is not explosive
 - Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide. Nitrogen Oxides, Sulphur Oxides, Oxides of phosphorus
- 5.3** Advice for firefighters
- Firefighting instructions : Use personal protective equipment
Specific Extinguishing Methods
: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures : Wear appropriate personal protective equipment - see Section 8.
Avoid contact with skin and eyes.

For non-emergency personnel

No additional information available

For emergency responders

No additional information available

6.2. Environmental precautions

Discharging into rivers and drains is forbidden.

6.3. Methods and material for containment and cleaning up

For containment : Collect all waste in suitable and labelled containers and dispose according to local legislation.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for safe handling : Keep container tightly closed. Avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Keep only in original container. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep cool. Keep out of reach of children. Store in suitable, labelled containers.

Incompatible materials : None known

7.3. Specific end use(s)

Specific uses: : Medical devices. Automatic and manual processes

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Components	CAS-No.	Form of Exposure	Permissible Concentration	Basis
Propylene Glycol	57-55-6	TWA (Particles)	10mg/m3	UKCOSSTD
Polyethylene Glycol	25322-68-3	TWA (Particles)	15mg/m3	OSHA

DNEL

Propylene Glycol	:	<p>End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 168 mg/m3</p> <p>End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 10 mg/m3</p> <p>End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 50 mg/m3</p> <p>End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 10 mg/m3</p> <p>End Use: Consumers Exposure routes: Dermal Potential health effects: Long-term systemic effects</p> <p>213 mg/kg End Use: Consumers</p> <p>Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 85 ppm</p>
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PNEC

Propylene Glycol	:	<p>Fresh water Value: 260 mg/l</p> <p>Marine water Value: 26 mg/l</p> <p>Intermittent use/release Value: 183 mg/l</p> <p>Fresh water sediment Value: 572 mg/kg</p> <p>Marine sediment Value: 57.2 mg/kg</p> <p>Sewage treatment plant Value: 20000 mg/l</p> <p>Soil Value: 50 mg/kg</p>
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8.2 Exposure Controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: No special protective equipment required.
Hand protection	: No special protective equipment required
Eye protection	: Safety glasses with side-shields
Skin and body protection	: No special protective equipment required
Respiratory protection	: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Other Information	: Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking when leaving work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Clear, Blue
Odor	: Slight
Odor threshold	: Not determined
pH	: 6-8
Relative evaporation rate	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: Not determined
Flash point	: Not determined
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Not determined
Vapour pressure	: Not determined
Relative vapour density at 20°C	: Not determined
Relative density	: 1.01 g/cm ³
Solubility	: Soluble
Log Pow	: Not determined
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: Not determined
Explosive properties	: Product is not explosive.
Oxidising properties	: Not determined
Explosive limits	: Not determined

9.2 Other Information

Addition Information	: None to our knowledge
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

No decomposition if stored and used normally.

Thermal decomposition generates: Carbon monoxide. Carbon dioxide. Nitrogen Oxides, Sulphur Oxides, metal oxides

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH 6-8
Serious eye damage/irritation	: May be irritating to eyes pH 6-8
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology – general : Toxic to aquatic life with long lasting effects

Propylene Glycol	: Readily biodegradable
Polyethylene Glycol	: Readily biodegradable
Didecyl Dimethyl Ammonium Chloride	: Poorly Biodegradable
N, N-dimethyldecylamine N-oxide	: Readily biodegradable.

12.2 Persistence and degradability

Bensan Quinzyme	
Persistence and degradability	No data available

12.3 Bio accumulative potential

Bensan Quinzyme	
Log Pow	Not determined
Bio-accumulative potential	No data available

12.4 Mobility in Soil

Bensan Quinzyme	
Ecology – soil	No data available

12.5 Results of PBT and vPvB assessment

Bensan Quinzyme	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6 Other adverse effects

Other adverse effects : None to our knowledge
Additional Information : No other effects known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste) : Dispose as hazardous waste.
Waste treatment methods : Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Do not reuse containers. Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA
Not Regulated	Not Regulated	Not Regulated

SECTION 15: REGULATORY INFORMATION

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

According to Detergents Regulation EC 648/2004: Less than 5% cationic surfactants, non-ionic surfactants.
Other ingredients: Enzymes, preservation agents.

15.2 Chemical Safety Assessment

Information from the chemical safety assessment of substances present in the product is included in the appropriate sections of this safety data sheet when needed.

SECTION 16: OTHER INFORMATION

Indication of changes: Identification of the substance/mixture and of the company/undertaking. Relevant identified uses.

1.0	Composition / Information on Ingredients	Modified
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Signature Regulatory Affairs

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.