

24/2/2024
Version 1.0

Safety Data Sheet

Bensan EZ Probe

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

1.1 Product Identifier

Product name : Bensan EZ Probe

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

Relevant identified uses

Main use category : Professional use

Function or use category : Probe disinfection solution

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

Telephone: +971 2 506 7333

Contact person: Regulatory Affairs – tel. +971 2 506 7333

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Flam. Liq. 3 H226

Eye Irrit. 2 2A

Specific Target Organ Toxicity 3

Single Exposure category 3

Full test of hazard classes and H-statements: see section 16

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard Pictograms



GHS02



GHS07

| | |
|--------------------------------|---|
| Signal word (CLP) | : Warning |
| Hazard statements (CLP) | : H226 – Flammable liquid and vapour : H319 – Causes serious eye irritation |
| Precautionary statements (CLP) | : Prevention : P210 – Keep away from heat, hot surfaces, open flames, sparks. – No smoking P211 – Do not spray on an open flame or other ignition source P233 – Keep container tightly closed P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. 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 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Storage: P403+P235 – Store in a well-ventilated place. Keep cool Disposal: P501 –P501 Dispose of contents/ container to an approved waste disposal plant. |

2.3 Other Hazards : None known

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

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) |
|---|--|-----|---|
| propan-2-ol, isopropyl alcohol, isopropanol | (CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25 | 70% | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| Chlorhexidine Gluconate | (CAS-No.) 18472-51-0 (EC-No.) 242-354-0 (REACH-no) N/A | 2% | Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H318 H400 H410 |

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 : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. In the event of persistent symptoms receive medical treatment.

First-aid measures after eye contact: Rinse cautiously with plenty of water for at least 15 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 serious 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 : Do not use a heavy water stream
- 5.2 Special hazards arising from the substance or mixture
 Fire hazard : Flammable liquid or vapour
 Explosion hazard : Product is not explosive
 Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide.
- 5.3 Advice for firefighters
 Firefighting instructions : Use water spray or fog for cooling exposed containers
 Protection during firefighting : Do not enter fire area without proper personal protective equipment, including respirator protection

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. No open flames. No smoking. Use special care to avoid static electric charges. No flames, no sparks. Eliminate all sources of ignition.

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 : Non-sparking tools should be used.
 Soak up with inert absorbent material.
 Suppress (knock down) gases/vapours/mists with a water spray jet.
 Keep in suitable, closed containers for disposal.
 Clean contaminated floors and objects thoroughly while observing environmental regulations.

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 eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.
 Take measures to prevent the build-up of electrostatic charge.
 Keep in properly labelled containers.
 Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep cool.
 Store in a well-ventilated place.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

| Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0) | | |
|---|------------------------|-------------------|
| Ireland | Local name | Isopropyl alcohol |
| Ireland | OEL (8 hours ref)(ppm) | 200 ppm |
| Ireland | OEL (15 min ref)(ppm) | 400 ppm |
| Ireland | Notes (IE) | Sk |
| United Kingdom | Local name | Propan-2-ol |
| United Kingdom | WEL TWA (mg/m3) | 999 mg/m3 |
| United Kingdom | WEL TWA (ppm) | 400 ppm |
| United Kingdom | WEL STEL (mg/m3) | 1250 mg/m3 |
| United Kingdom | WEL STEL (ppm) | 500 ppm |

8.2 Exposure Controls

Respiratory Protection : No personal respiratory protective equipment normally required.
 Eye Protection : No special protective equipment required. Wear face-shield and protective suit for abnormal processing problems.
 Skin and Body protection : No special protective equipment required.
 Protective Measures : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
 Ensure that eye flushing systems and safety showers are located close to the working place.
 Hygiene Measures : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state : Liquid
 Colour : Clear. Cloudy. Colorless
 Odor : Alcohol-like
 Odor threshold : Not determined
 pH : 6 - 8
 Relative evaporation rate : Not determined
 Melting point : Not determined

| | |
|---------------------------------|--|
| Freezing point | : -88°C to – 90°C (Propan-2-ol) |
| Boiling point | : 88°C to 90°C (Propan-2-ol) |
| Flash point | : 18°C (Propan-2-ol) |
| Auto-ignition temperature | : Not determined |
| Decomposition temperature | : Not determined |
| Flammability (solid, gas) | : Flammable liquid and vapour. |
| Vapour pressure | : 4.3 kPa (propan-2-ol) |
| Relative vapour density at 20°C | : 2.1 |
| Relative density | : 0.972 g/cm ³ |
| Solubility | : In water, material soluble. |
| Log Pow | : Not determined |
| Viscosity, kinematic | : Not determined |
| Viscosity, dynamic | : Not determined |
| Explosive properties | : Product is not explosive. |
| Density | : 0.88 g/cm ³ |
| Explosive limits | : No data available |
| Thermal decomposition | : The substance or mixture is not classified self-reactive |
| Oxidizing properties | : The substance or mixture is not classified as oxidizing |

9.2 Other Information

Addition Information : None to our knowledge

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

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Oxidizing agents, ammonia and chlorine. Contact with Anionic substances will reduce effectiveness of product.

10.6. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on likely routes of exposure

| | |
|----------------|---|
| Skin | : Not likely to cause dermal irritation |
| Eyes | : Serious eye damage/irritation. May cause eye irritation. |
| Inhalation | : Inhalation may cause drowsiness or dizziness. |
| Acute toxicity | : Not classified as harmful by ingestion or skin contact. Ingestion of liquid may cause intoxication. |

| Propan-2-ol, Isopropyl alcohol, Isopropanol (67-63-0) | |
|---|--------------|
| LD50 oral rat | 4710 mg/kg |
| LD50 dermal rat | 12800 mg/kg |
| LD50 dermal rabbit | 12800 mg/kg |
| LD50 inhalation rat (Vapours – mg/l/4h) | 72.6 mg/l/4h |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Not classified pH 6-8 |
| Serious eye damage/irritation | : Causes serious eye irritation pH 6-8 |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : 3 |
| STOT-repeated exposure | : 3 |
| Aspiration hazard | : Not classified |

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology – general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects on the environment.

| Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0) | |
|--|---|
| LC50 fish 1 | 4200 mg/l (96 hours Rasbora heteromorpha) |
| EC50 Daphnia 1 | 13300 mg/l EC50 48h- Daphnia magna (mg/l) |

| Chlorhexidine digluconate | |
|----------------------------------|--------------------------|
| Algae | IC50/72h: 0.011 mg/l |
| EC50 Daphnia 1 | EC50/48h: 0.100000 mg/l |
| Fish | LC50/96h: 10.400000 mg/l |

12.2 persistence and degradability

| Bensan EZ Probe | |
|-------------------------------|---|
| Persistence and degradability | Contains a substance (Chlorhexidine Gluconate) which is not readily biodegradable |

| Propanol-2-ol, isopropyl alcohol, isopropanol (67-63-0) | |
|--|---------------------------|
| Persistence and degradability | Readily biodegradable. |
| BOD (% of ThOD) | 0.3 – 0.6 % ThOD BOD5/COD |
| Biodegradation | 84% (OECD 301E method) |

12.3 Bioaccumulative potential

| Bensan EZ Probe | |
|----------------------------|---------------------------------|
| Log Pow | Not determined |
| Bio-accumulative potential | Not potentially bioaccumulable. |

| Propanol-2-ol, isopropyl alcohol, isopropanol (67-63-0) | |
|--|------|
| Bio-concentration factor (BCF REACH) | 3 |
| Log Pow | 0.05 |

12.4 Mobility in Soil

| Bensan EZ Probe | |
|------------------------|------------------|
| Ecology – soil | Soluble in water |

12.5 Results of PBT and vPvB assessment

| Bensan EZ Probe | |
|--|--|
| 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 : Dispose in a safe manner in accordance with local/national regulations.
 Ecology - waste materials : Avoid release to the environment.
 European List of Waste (LoW) code : 19 02 08* - liquid combustible wastes containing dangerous substances

SECTION 14: TRANSPORT INFORMATION

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

| ADR | IMDG | IATA | RID |
|---|---|---|---|
| 14.1 UN Number | | | |
| 1987 | 1987 | 1987 | 1987 |
| 14.2 UN proper shipping name | | | |
| ALCOHOLS, N.O.S | ALCOHOLS, N.O.S | ALCOHOLS, N.O.S | ALCOHOLS, N.O.S |
| Transport document description | | | |
| UN 1987 ALCOHOLS, N.O.S. (propan-2-ol, isopropyl alcohol, isopropanol), 3, III, (D/E) | UN 1987 ALCOHOLS, N.O.S., 3, III | | |
| 14.3 Transport hazard class(es) | | | |
| 3 | 3 | 3 | 3 |
|  |  |  |  |
| 14.4 Packaging group | | | |
| III | III | III | III |
| 14.5 Environmental hazards | | | |
| Dangers for Environment: No | Dangers for Environment: No Marine pollutant: No | Dangers for Environment: No | Dangers for Environment: No |
| NO SUPPLEMENTARY INFORMATION AVAILABLE | | | |

14.6 Special precautions for user

- Overland transport

Classification code (ADR) : F1
 Special provisions (ADR) : 274, 601
 Limited quantities (ADR) : 5I
 Excepted quantities (ADR) : E1
 Packing instructions (ADR) : P001, IBC03, LP01, R001
 Mixed packing provisions (ADR) : MP19
 Portable tank and bulk container instructions (ADR) : T4

| | |
|---|-------------|
| Portable tank and bulk container special provisions (ADR) | : TP1, TP29 |
| Tank code (ADR) | : LGBF |
| Vehicle for tank carriage | : FL |
| Transport category (ADR) | : 3 |
| Special provisions for carriage - Packages (ADR) | : V12 |
| Special provisions for carriage - Operation (ADR) | : S2 |
| Hazard identification number (Kemler No.) Orange plates | : 30 |



Tunnel restriction code (ADR) : D/E

- Transport by sea

| | |
|---------------------------------|--------------|
| Special provisions (IMDG) | : 223, 274 |
| Limited quantities (IMDG) | : 5I |
| Excepted quantities (IMDG) | : E1 |
| Packing instructions (IMDG) | : P001, LP01 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T4 |
| Tank special provisions (IMDG) | : TP1, TP29 |
| EmS-No. (Fire) | : F-E |
| EmS-No. (Spillage) | : S-D |
| Stowage category (IMDG) | : A |
| Flash point (IMDG) | : 31°C |

- Air transport

| | |
|--|------------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y344 |
| PCA limited quantity max net quantity (IATA) | : 10L |
| PCA packing instructions (IATA) | : 355 |
| PCA max net quantity (IATA) | : 60L |
| CAO packing instructions (IATA) | : 366 |
| CAO max net quantity (IATA) | : 220L |
| Special provisions (IATA) | : A3, A180 |
| ERG code (IATA) | : 3I |

Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code : Isopropyl alcohol.

SECTION 15: REGULATORY INFORMATION

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

Classification and Labelling of Substances and Preparation Dangerous for Supply. Workplace Exposure Limits EH40. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006 with amendments.

National regulations

EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

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

| 3.2 | Composition / Information on Ingredients | Modified |
|-----|--|----------|
|-----|--|----------|

| | |
|------------------------|--------------------|
| Date of issue | 22.2.2024 |
| Revision date | 22.2.2024 |
| Supersedes | NA |
| Date of total revision | 22.2.2024 |
| Version | 1.0 |
| Signature | Regulatory Affairs |

Full text of H- and EUH-statements

| | |
|--------------|--|
| Acute Tox. 1 | Acute toxicity (oral), Category 4 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H225 | Highly flammable liquid and vapour |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |
| H411 | Toxic to aquatic life with long lasting effects |