SAFECARE MEDICAL INDUSTRIES LLC

23/5/2023
Version 1

Safety Data Sheet
Bensan Surgidine

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

1.1 Product Identifier
Product name : Bensan Surgidine

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 : Chlorhexidine Digluconate-based Hand Scrub for Professional Use

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: Deepthi Rhamba – 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.	Category 3
Eye Irrit.	Category 1
Carcinogenicity	Category 2
Acute Aquatic Toxicity	Category 1
Chronic Aquatic Toxicity	Category 1

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) : H318 – Causes serious eye damage

Precautionary statements (CLP) P102 – Keep out of Reach of Children
P211 – Do not spray on an open flame or other ignition source
P233 – Keep container tightly closed
P301 + 330 + 331 – IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. Continue Rinsing
P337+P313 – If eye irritation persists: Get medical advice / attention
P403+P235 – Store in a well-ventilated place. Keep cool

2.3 Other Hazards
Other hazards not contributing to the classification : None under normal conditions.

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 – Hazardous Ingredients

Name	Product Identifier	%	Clp Classification
Chlorhexidine Digluconate	CAS Nbr 7732-18-5	<10%	Acute Tox. 4 (Oral), H302
Isopropyl Alcohol	CAS Nbr 71-23-8 EC Nbr 200-661-7	1-5%	Eye Dam. 1, H318 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1 H318 Aquatic Acute 1, H400
Polyethylene Glycol	CAS Nbr 25322-68-3 EC Nbr 500-038-2	<1%	Eye Dam.1, Skin Corr 1B
Alkyl Dimethyl Amine Oxide	CAS Nbr 68955-55-5	<1%	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 1); H302 H315 H318 H400
Acetic Acid	CAS Nbr 64-19-7 EC Nbr 200-580-7	<1%	Flam. Liq. 3 / H226 Skin Corr. 1A / H314 Eye Dam. 1 / H318

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 : If symptoms develop move victim to fresh air. Get medical attention if irritation or other symptoms persists.
First-aid measures after skin contact: 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 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
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 : 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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. Keep cool. Store in a well-ventilated place.

Incompatible materials : N/A

7.3. Specific end use(s)

Consult the supplier for further information.

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

PERSONAL PROTECTION

None expected to be required under normal usage conditions.

EYE/FACE PROTECTION

None expected to be required under normal usage conditions.

SKIN PROTECTION

None expected to be required under normal usage conditions.

RESPIRATORY PROTECTION

None expected to be required under normal usage conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Orange.
Odor	: Slight Chlorhexidine Odor
Odor threshold	: Not determined
pH	: 4-7
Relative evaporation rate	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: 100°C
Flash point	: 200 °F /93°C
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	: 0.98
Solubility	: In water, material soluble.
Log Pow	: Not determined
Viscosity, kinematic	: 500-1500 mPa-s

Viscosity, dynamic : Not determined
Explosive properties : Product is not explosive.

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
No polymerization.

10.4. Conditions to avoid
No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials
Oxidizing agent. Acids. reducing materials.

10.6. Hazardous decomposition products
No decomposition if stored and used normally. Thermal decomposition generates : Carbon dioxide. Carbon monoxide. Nitrogen oxides. Amines. Chlorine. Hydrogen chloride.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity : Not classified
Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation
Respiratory or skin sensitization : 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 : 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)

No reliable data available

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 SURGIDINE	
Persistence and degradability	No data available

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 SURGIDINE	
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	0.84

12.4 Mobility in Soil

Bensan SURGIDINE	
Ecology – soil	Soluble in water

12.5 Results of PBT and vPvB assessment

Bensan SURGIDINE
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

Marine Pollutant: NO

Land transport (UN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS Air transport

(ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport
(IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code

SECTION 15: REGULATORY INFORMATION

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

EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

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). Workplace exposure limits.

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	15.10.2022
Revision date	15.10.2022
Supersedes	NA
Date of total revision	15.10.2022
Version	1.0
Signature	Regulatory Affairs

Full test of H- and EUH-statements

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation: vapour)	Acute toxicity (inhalation: vapor) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
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
H226	Flammable liquid and vapour
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

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.