

SAFECARE MEDICAL INDUSTRIES LLC

14/08/2023
Version 2.0

Safety Data Sheet Bensan Premium Spray

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

1.1 Product Identifier

Product name : Bensan Premium Spray

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 : Cleaner and disinfectant of medical device surfaces

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)	: 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 P280 – Wear eye protection, protective gloves P301 + 330 + 331 – IF SWALLOWED: Rinse mouth. Do not induce vomiting. P337+P313 – If eye irritation persists: Get medical advice / attention P403+P235 – Store in a well-ventilated place. Keep cool P371 + P378 – In case of fire: Use water foam, alcohol-resistant foam, carbon dioxide and dry chemical to extinguish. P501 –Dispose of contents / container to hazardous or special waste collection point, in accordance with local, regional, national and / or international regulation

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

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	15-20	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Ethyl Alcohol, Ethanol	(CASE-No.) 64-17-5 (EC-no) 200-578-6, (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	25-30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Benzalkonium Chloride	(CAS-No.) 63449-41-2, (EC-No.) 264-151-6 (REACH-no) N/A	< 0.5	Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Chronic 2, H411

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
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 : 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. 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.

Incompatible materials : Oxidizing substances.

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

Ethyl Alcohol, ethanol (64-17-5)		
Ireland	Local name	Ethyl Alcohol
Ireland	OEL (8 hours ref)(ppm)	1000 ppm
Ireland	OEL (15 min ref)(ppm)	1000 ppm
Ireland	Notes (IE)	Sk
United Kingdom	Local name	Propan-2-ol
United Kingdom	WEL TWA (mg/m3)	1920 mg/m3
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	WEL STEL (mg/m3)	1920 mg/m3
United Kingdom	WEL STEL (ppm)	1000 ppm

8.2 Exposure Controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Personal protective equipment : Gloves. Safety glasses

Hand protection : Butylrubber protective gloves. Nitrile rubber gloves. Breakthrough time: > 60 minutes. Layer thickness: 0.1mm. STANDARD EN 374.

Eye protection	: Safety glasses. STANDARD EN 166
Skin and body protection	: Wear suitable protective clothing
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.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Clear.
Odor	: alcohol.
Odor threshold	: Not determined
pH	: 11-13
Relative evaporation rate	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: 88°C
Flash point	: 31°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	: 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.
Oxidising properties	: Flammable liquid and vapour.
Explosive limits	: 2 vol % : 12.7 vol %

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 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

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

Ethyl Alcohol, ethanol (64-17-5)	
LD50 oral rat	>7692 mg/kg
LD50 dermal rat	>15800 ml/kg
LD50 dermal rabbit	N/A
LD50 inhalation rat (Vapours – mg/l/4h)	51.0 mg/l/4h

Benzalkonium Chloride	
LD50 oral rat	368 mg/kg

Skin corrosion/irritation : Not classified
pH 11-13
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 l	4200 mg/l (96 hours Rasbora heteromorpha)
EC50 Daphnia 1	13300 mg/l EC50 48h- Daphnia magna (mg/l)

Ethyl Alcohol, ethanol (64-17-5)	
LC50 fish l	10,800 mg/l (96 hours Salmo Gairdneri)
EC50 Daphnia 1	14221 mg/l EC50 48h- Daphnia magna (mg/l)

Benzalkonium Chloride	
LC50 fish l	1.4 mg/l (96 hours – Lepomis macrochirus)
EC50 Daphnia 1	70 mg/l

12.2 persistence and degradability

Bensan Premium Spray	
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)

Ethyl Alcohol, ethanol (64-17-5)	
Persistence and degradability	Readily biodegradable.
BOD (% of ThOD)	0.43% ThOD BOD5/COD
Biodegradation	94% (OECD 301E method)

12.3 Bioaccumulative potential

Bensan Premium Spray	
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

Ethyl Alcohol, ethanol (64-17-5)	
Bio-concentration factor (BCF REACH)	27
Log Pow	0.84

12.4 Mobility in Soil

Bensan Premium Spray	
Ecology – soil	Soluble in water

12.5 Results of PBT and vPvB assessment

Bensan Premium Spray	
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

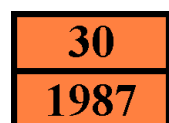
In accordance with ADR / RID / IMDG / IATA / ADN

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		
UN 1987 ALCOHOLS, N.O.S. (Ethyl alcohol, ethanol), 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.
IBC code	: Ethanol

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
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Date of issue	15.10.2022
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Supersedes	NA
Date of total revision	14.08.2023
Version	2.0

Signature

Deepthi Rhamba

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.