

# SAFECARE MEDICAL INDUSTRIES LLC

15/02/2024  
Version 1.0

## Safety Data Sheet BENSAN ANTIFOG

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

1.1 Product Identifier

Product name : Bensan Antifog

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

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### 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	<20%	Flam. Liq. 2, H225 Eye Irrit. 2A, Eye Irrit. H319 STOT SE 3, H336

## 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 (CO<sub>2</sub>) 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

## 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.

# 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	: 7-8
Relative evaporation rate	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: 88°C
Flash point	: 70°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	: Not determined
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	: Not determined
Explosive limits	: Not determined

## 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

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

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.

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

### 12.2 persistence and degradability

<b>Bensan Antifog</b>	
Persistence and degradability	No data available

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

### 12.3 Bioaccumulative potential

<b>Bensan Antifog</b>	
Log Pow	Not determined
Bio-accumulative potential	Not potentially bioaccumulable.

<b>Propanol-2-ol, isopropyl alcohol, isopropanol (67-63-0)</b>	
Bio-concentration factor (BCF REACH)	3
Log Pow	0.84

### 12.4 Mobility in Soil

<b>Bensan Antifog</b>	
Ecology – soil	Soluble in water

### 12.5 Results of PBT and vPvB assessment

<b>Bensan Antifog</b>	
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
<b>14.1 UN Number</b>			
Not Applicable	Not Applicable	Not Applicable	1 Not Applicable
<b>14.2 UN proper shipping name</b>			
Not Applicable	Not Applicable	Not Applicable	Not Applicable
<b>Transport document description</b>			
<b>14.3 Transport hazard class(es)</b>			
Not Applicable	Not Applicable	Not Applicable	Not Applicable
<b>14.4 Packaging group</b>			
Not Applicable	Not Applicable	Not Applicable	Not Applicable
<b>14.5 Environmental hazards</b>			
Dangers for Environment: No	Dangers for Environment: No Marine pollutant: No	Dangers for Environment: No	Dangers for Environment: No

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

IBC code : Not Applicable

**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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