

## Safety Data Sheet Bensan Hand Gel

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

- 1.1 Product Identifier  
Product name : Bensan Hand Gel
- 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 : Alcohol-based Hand and Skin Gel 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: 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 |      |
| 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 fox, 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)
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	<70%	Flam. Liq. 2, H225 Eye Irrit. 2, 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

Ethyl Alcohol, ethanol (64-17-5)		
Ireland	Local name	Ethanol
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 – slightly turbid.  
 Odor : Alcohol.  
 Odor threshold : Not determined  
 pH : 8-10  
 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 <sup>3</sup>
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

## 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>Ethyl Alcohol, ethanol (64-17-5)</b>	
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

Skin corrosion/irritation	: Not classified pH 8-10
Serious eye damage/irritation	: Causes serious eye irritation pH 8-10
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>Ethyl Alcohol, ethanol (64-17-5)</b>	
LC50 fish l	10,800 mg/l (96 hours Salmo Gairdneri)
EC50 Daphnia 1	14221 mg/l EC50 48h- Daphnia magna (mg/l)

**12.2 persistence and degradability**

<b>Bensan Hand Gel</b>	
Persistence and degradability	No data available

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

**12.3 Bioaccumulative potential**

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

<b>Ethyl Alcohol, ethanol (64-17-5)</b>	
Bio-concentration factor (BCF REACH)	27

Log Pow	0.84
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**12.4 Mobility in Soil**

<b>Bensan Hand Gel</b>	
Ecology – soil	Soluble in water

**12.5 Results of PBT and vPvB assessment**

<b>Bensan Hand Gel</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**

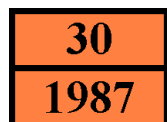
In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	RID
<b>14.1 UN Number</b>			
1987	1987	1987	1987
<b>14.2 UN proper shipping name</b>			
ALCOHOLS, N.O.S	ALCOHOLS, N.O.S.	ALCOHOLS, N.O.S.	ALCOHOLS, N.O.S.
<b>Transport document description</b>			
N 1987 ALCOHOLS, N.O.S. (Ethyl alcohol, ethanol), 3, III, (D/E)	UN 1987 ALCOHOLS, N.O.S., 3, III		
<b>14.3 Transport hazard class(es)</b>			
3	3	3	3
			
<b>14.4 Packaging group</b>			
III	III	III	III
<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
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
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**- 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	: Ethanol.
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## 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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Supersedes	NA
Date of total revision	09.05.2024
Version	1.0
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.*