

SAFECARE MEDICAL INDUSTRIES LLC

01/08/2023
Version 2.0

Safety Data Sheet Bensan Hand Disinfectant Towlettes

According to Regulation (EU) No 2020/878 & Regulation (EC) No 1272/2008

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

1.1 Product Identifier

Product name : Bensan Hand Disinfection Towlettes

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 : Hand Sanitizer

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

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
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
 P243 Take precautionary measures against static discharge.
 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	< 75	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.
 Skin and Body protection : No special protective equipment required.
 Protective Measures : No special protective measures required.
 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 : Towlettes
 Colour : Clear. Cloudy. Colorless
 Odor : Alcohol-like, Lemon fragrance.
 Odor threshold : Not determined
 pH : 5 - 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/cm3
 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/cm3

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.

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 5-8
 Serious eye damage/irritation : Causes serious eye irritation
 pH 5-8
 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 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

Bensan Hand Disinfectant Towlettes	
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 Hand Disinfectant Towlettes	
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 Hand Disinfectant Towlettes	
Ecology – soil	Soluble in water

12.5 Results of PBT and vPvB assessment

Bensan Hand Disinfectant Towlettes	
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			
3175	3175	3175	3175
Special Provisions			
216 and 274	216 and 274	IATA 46	
14.2 UN proper shipping name			
Solids containing flammable liquid, n.o.s. (Propan-2-ol)	Solids containing flammable liquid, n.o.s. (Propan-2-ol)	Solids containing flammable liquid, n.o.s. (Propan-2-ol)	Solids containing flammable liquid, n.o.s. (Propan-2-ol)
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)			
4.1	4.1	4.1	4.1
			
14.4 Packaging group			
II	II	II	II
14.5 Packaging Instructions			
	EmS Code: F-A, S-I	Cargo Aircraft: 448	ERG 133
		Passenger Aircraft: 445	
14.6 Environmental hazards			
Dangers for Environment: No	Dangers for Environment: No Marine pollutant: No	Dangers for Environment: No	Dangers for Environment: No
Emergency Response Guide No.: ERG 133 Flammable Solid, organic n.o.s			

14.6 Special precautions for user : Not available

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
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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

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.

Revision Date: 2023-08-01

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.