

According to Regulation (EC) No 1907/2006

# Hand sanitizer

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Trade name**

Hand sanitizer

**Article No.**

36-8703

**UFI code**

5ME5-D095-D00Y-7TW5

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Product type**

Disinfectant

**Not suitable for use in**

No known

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

BILTEMA SWEDEN AB

## Street address

Garnisonsgatan 26, 2nd FL

SE-254 66 Helsingborg

Sweden

## Telephone

+46 77 520 00 00

## Email

kundservice@biltema.com

## Web site

www.biltema.se

### 1.4. Emergency telephone number

Giftinformationscentralen

**Available outside office hours**

No

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

**Classification**

Eye irritation, hazard category 2

Flammable liquids, hazard category 2

**Hazard statements**

H225, H319

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

**Hazard pictograms**



**Signal word**

Danger

**Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

**Precautionary statements**

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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P501.1 Dispose of contents/container to National regulatory information.

### 2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

Contains organic solvents.

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**Hand sanitizer****SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
ethanol; ethyl alcohol	64-17-5 200-578-6 01-2119457610-43 603-002-00-5	≥50 - <70%	Flam. Liq. 2, Eye Irrit. 2	H225, H319 - -	-
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0 200-661-7 01-2119457558-25 603-117-00-0	≥3 - <10%	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 - narcosis	H225, H319, H336 - -	-
Glycerol	56-81-5 200-289-5 01-2119471987-18 -	0 - 1%	-	- - -	-

**Substance additional information**

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if you feel unwell.

**Skin contact**

The product is intended for contact with skin  
 In case of burning in wounds, rinse with water.  
 Use skin cream afterwards.  
 If symptoms persist, call a physician.

**Eye contact**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do.  
 Continue rinsing. If symptoms persist, call a physician.

**Ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

For more information See section 11

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### 4.3. Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray jet , Foam , Powder , Carbon dioxide (CO2)

#### Unsuitable extinguishing media

Strong water jet

### 5.2. Special hazards arising from the substance or mixture

Flammable liquid and vapour.

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Suitable protective clothing:

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. In the event of spillage that entails a risk of environmental damage, contact the responsible authority.

### 6.3. Methods and material for containment and cleaning up

Stop leak if safe to do so. Wipe up with absorbent material (eg. cloth, fleece). Collect in closed and suitable containers for disposal. Dispose of contents/container to an appropriate recycling or disposal facility.

### 6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

See section 1

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Preventive handling precautions**

Ensure good hygiene.  
 Avoid breathing vapours.  
 Avoid contact with skin, eyes and clothes.  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**General hygiene**

Wash hands before breaks and after work. Smoking, eating or drinking is prohibited in the workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

Take precautionary measures against static discharge.  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Protect from sunlight.  
 Store in a cool dry place.  
 Keep away from foodstuffs, beverages and feed  
 Store away from oxidizing materials.

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

*National occupational exposure limits*

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m <sup>3</sup>	Short-term exposure limit ppm / mg/m <sup>3</sup>	Source	Remark	Year
propan-2-ol; isopropyl alcohol;	67-63-0	400	500	-	-	-
isopropanol	200-661-7	999	1250	-	-	-

### 8.2. Exposure controls

**Appropriate engineering controls**

Provide adequate ventilation.  
 Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors.  
 Exposure may primarily be reduced by choice of working method and technical measures.

**Eye / face protection**

Eye glasses with side protection

**Hand protection**

By long-term hand contact Wear protective gloves. Butyl caoutchouc (butyl rubber)

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**Other skin protection**

Suitable protective clothing:

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

Filter type: A

**Environmental exposure controls**

Do not allow to enter into surface water or drains. In the event of spillage that entails a risk of environmental damage, contact the responsible authority.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

**Physical state**

Liquid

**Colour**

colourless

**Odour**

Solvent

**Melting point / freezing point**

No data available

**Boiling point or initial boiling point and boiling range**

No data available

**Flammability**

No data available

**Lower and upper explosion limit**

No data available

**Flash point**

&lt; 21 °C

**Auto-ignition temperature**

No data available

**Decomposition temperature**

No data available

**pH**

No data available

**Kinematic viscosity**

No data available

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**Solubility**

No data available

**Water solubility**

miscible

**Partition coefficient n-octanol/water**

No data available

**Vapour pressure**

No data available

**Density and/or relative density**0.86 g/cm<sup>3</sup>**Relative vapour density**

No data available

**Oxidising properties**

No known

**9.2. Other information**

No data available

### SECTION 10: Stability and reactivity

**10.1. Reactivity**

This material is considered to be non-reactive under normal use conditions.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions. Stable under recommended storage and handling conditions.

**10.4. Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**10.5. Incompatible materials**

Oxidising agent, strong

**10.6. Hazardous decomposition products**

In case of fire, harmful gases (carbon monoxide and carbon dioxide) can be formed.

### SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
propan-2-ol 67-63-0	LD50	5840 mg/kg	oral	-	Rat	OECD Test Guideline 401	Nausea , Vomiting , Dizziness , Headache , Unconsciousness
propan-2-ol 67-63-0	LC50	> 25 mg/l	inhalative	6h	Rat	OECD Test Guideline 403	-
propan-2-ol 67-63-0	LD50	13900 mg/kg	-	-	Rabbit	OECD Test Guideline 402)	-
Ethanol 64-17-5	LD50	10470 mg/kg	oral	-	Rat	OECD Test Guideline 401	Headache , Nausea , Vomiting , Dizziness , Unconsciousness
Ethanol 64-17-5	LC50	51 mg/l	inhalative	4h	Rat	OECD Test Guideline 403	Nausea . Dizziness . Headache . Unconsciousness
Ethanol 64-17-5	LD50	> 2000 mg/kg	-	-	Rabbit	OECD Test Guideline 402	-

**Skin corrosion/irritation**

Has degreasing effect on the skin.

Frequently or prolonged contact with skin may cause dermal irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

The product is not: STOT-single exposure

**STOT-repeated exposure**

The product is not: STOT-repeated exposure

**Aspiration hazard**

The product is not classified as aspiration toxic.

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**Hand sanitizer****11.2. Information on other hazards****Other information**

**## missing phrase ## (L02.00574210)** organic compounds . Chronic exposure damages the brain and the central nervous system.

**SECTION 12: Ecological information****12.1. Toxicity****Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Ethanol 64-17-5	LC50	15.300 mg/l	96h	Pimephales promelas (fathead minnow)	-
Ethanol 64-17-5	LC50	11.200 mg/l	24h	Salmo gairdneri;	-
Ethanol 64-17-5	LC50	13.000 mg/l	96h	Oncorhynchus mykiss (Rainbow trout)	OECD Test Guideline 203
propan-2-ol 67-63-0	LC50	9.640 mg/l	96h	Pimephales promelas (fathead minnow)	OECD Test Guideline 203

**Acute algae toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Ethanol 64-17-5	EC50	275 mg/l	72h	Chlorella vulgaris	OECD Test Guideline 201
Ethanol 64-17-5	EC10	11,5 mg/l	72h	Chlorella vulgaris	OECD Test Guideline 201
propan-2-ol 67-63-0	EC50	> 100 mg/l (	72h	Scenedesmus subspicatus	-

**Acute crustacean toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Ethanol	EC50	12.340 mg/l	48h	Daphnia magna	ASTM E 729-

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
64-17-5				(Big water flea)	80
Ethanol 64-17-5	LC50	5.012 mg/l	48h	Ceriodaphnia dubia	-
propan-2-ol 67-63-0	LC50	9.714 mg/l	24h	Daphnia magna (Big water flea)	OECD Test Guideline 202)
Ethanol 64-17-5	LC50	858 mg/l	24h	Artemia salina	OECD Test Guideline 202

**Micro-/macro organism toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Species
Ethanol 64-17-5	EC50	5800 mg/l	Paramecium caudatum

**12.2. Persistence and degradability****Persistence and degradability**

The substance is biodegradable .Unlikely to persist.

**12.3. Bioaccumulative potential****Bioaccumulative potential**

Product / Substance name CAS / EC no.	LogKow / LogPow	Bioconcentration factor (BCF)	Result	Temperature	Method / Guideline
Ethanol 64-17-5	log Kow -0,35	0,66	Not expected to bioaccumulate due to the low log Kow (log kow <4 )	24°C	OECD Test Guideline 107
propan-2-ol 67-63-0	log Kow 0,05	-	No indication of bioaccumulation potential.	-	-

**12.4. Mobility in soil****Mobility**

Water solubility

**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

No data available

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### 12.7. Other adverse effects

#### Other adverse effects

The substance will rapidly evaporate into the atmosphere from the water surface.

Water solubility

#### Other

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal considerations

Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Store in a closed container.

Avoid release to the environment. Do not allow to enter into surface water or drains.

#### Packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

Dispose of contents/container according to local regulations.

## SECTION 14: Transport information

### 14.1. UN number

1170

### 14.2. UN proper shipping name

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

#### IMDG proper shipping name

ETHANOL SOLUTION

### 14.3. Transport hazard class(es)

#### Label



3

#### ADR / RID Class

3

#### ADR / RID Classification code

F1

#### ADR / RID hazard identification number

33

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**IMDG Class**

3

**ADN Class**

3

**ADN Class Code**

F1

**14.4. Packing group**

II

**14.5. Environmental hazards****Environmental hazards**

No

**IMDG Marine Pollutant**

No

**14.6. Special precautions for user**

Tunnel restriction code D/E

Transport category 2

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable

**Other**

Not applicable

### SECTION 15: Regulatory information

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

Classification according to Regulation (EC) No 1272/2008 [CLP]

**15.2. Chemical safety assessment**

No data available

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### SECTION 16: Other information

***Phrase meaning***

Flam. Liq. 2 - Flammable liquids, hazard category 2

Eye Irrit. 2 - Eye irritation, hazard category 2

STOT SE 3 - narcosis - Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.