

HAND SANITISER FOAM ALC FREE

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

1.1 - Product identifier

Trade name/designation HAND SANITISER FOAM ALC FREE

Chemical name

Product-type Mixture

Product code 13317CO BVH / 13317POUCH BVH

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

Relevant identified uses - PC39: Cosmetics, personal care products

1.3 - Details of the supplier of the safety data sheet

Biovate Hygienics Ltd
Grafton House
Pury Hill Business Park
NN12 7LS Towcester United Kingdom
Telephone: 01328 851407
Website: www.biovatehygienics.com
Email: info@biovatehygienics.com

1.4 - Emergency telephone number

United Kingdom: NHS Direct:111

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Not Classified	Not classified
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2.2 - Label elements

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

Signal word	:	None
Pictograms	:	None
Hazard statements	:	None
Precautionary statements	:	None
EUH-phrases	:	None

2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

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Chemical name	No	%	Class(es)	Specific concentration limit
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	CAS No. : 68424-85-1 Index No. : EC No. : 270-325-2	0 - 2	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318 Skin Corr. 1B - H314	M-factor: 10 ATE oral 10000
Didecyltrimethylammonium chloride	CAS No. : 7173-51-5 Index No. : 612-131-00-6 EC No. : 230-525-2 REACH No. : 01-2119485041-46-XXX	0 - 2	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411 Flam. Liq. 3 - H226 Skin Corr. 1B - H314 STOT SE 3 (H336) - H336	M-factor: 10

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- No special measures are necessary.
<u>Following skin contact</u>	- Wash immediately with: Water - When in doubt or if symptoms are observed, get medical advice.
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting.

4.2 - Most important symptoms and effects, both acute and delayed

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- Persons with very sensitive skin may experience mild irritation
<u>Symptoms and effects - After eye contact</u>	- May cause mild irritation
<u>Symptoms and effects - After ingestion</u>	- There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

4.3 - Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO2) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- Full water jet

5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- No information available.
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5.3 - Advice for firefighters

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- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

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| <u>For non-emergency personnel</u> | - Use personal protection equipment.
- Provide adequate ventilation.
- Turn leaking containers upside to prevent further escape of liquid |
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| <u>For emergency responders</u> | - No information available. |
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6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

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| <u>Methods and material for containment</u> | - No information available. |
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| <u>Methods and material for cleaning up</u> | - Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water. |
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| <u>Inappropriate techniques</u> | - No information available. |
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6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

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| <u>Recommendation</u> | - Ensure adequate ventilation |
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| <u>Advices on general occupational hygiene</u> | - No information available. |
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7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

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| <u>Appropriate engineering controls</u> | - Ensure there is sufficient ventilation |
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| <u>Individual protection measures, such as personal protective equipment</u> | - Eye protection |
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- Protective Clothing

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Liquid
Colour	colourless	Odour	odourless
Odour threshold		No data available	
pH		7	
Melting point		No data available	
Freezing point		No data available	
Boiling point		100 °C	
Flash point		> 93 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		No data available	
Solubility (Water)		Soluble in water.	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		Non-viscous	
Particle characteristics			
Particle size		No data available	

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	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.

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10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Avoid excessive heat for prolonged periods of time.

10.5 - Incompatible materials

- Strong Acids and Oxidising Agents

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

Toxicity : Substances

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
(68424-85-1)

LD50 oral (rat)	795 mg/kg
LD50 dermal (rat)	1560 mg/kg

Didecyldimethylammonium chloride (7173-51-5)

LD50 oral (rat)	238 mg/kg
LD50 dermal (rabbit)	Causes burns.

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

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Aspiration hazard - Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

LC50 96 hr fish	1.7 mg/l Oncorhynchus mykiss (Rainbow trout)
ErC50 other aquatic plants	0.06 mg/l Selenastrum capricornutum

Didecyldimethylammonium chloride (7173-51-5)

LC50 96 hr fish	0.1 mg/l < V < 1 mg/l Danio rerio (zebrafish)
ErC50 algae	0.01 mg/l < V < 0.1 mg/l Pseudokirchneriella subcapitata (green algae)

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

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12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

14.4 - Packing group

14.5 - Environmental hazards

14.6 - Special precautions for user

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	No data available

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

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SDS versions

Version	Issue date	Author	Description of the amendments
1	17/01/2022		

Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Eye Dam. 1	Serious eye damage, Category 1
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
Not Classified	Not classified
Skin Corr. 1B	Skin corrosion, Category 1B
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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