



SAFETY DATA SHEET

B1919 Hand Foam Sanitiser

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

1.1. Product identifier

Product name B1919 Hand Foam Sanitiser

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

Identified uses Ready to use hand sanitiser

1.3. Details of the supplier of the safety data sheet

Supplier Byotrol plc
The Innovation Centre
Sci-Tech Daresbury
Keckwick Lane
Daresbury
WA4 4FS
Tel: +44 (0) 1925 742 000
Fax: +44 (0) 1925 363 099
www.byotrol.com

1.4. Emergency telephone number

National emergency telephone number National Poisons Information Service (24-hour service)
Tel: +44 (0) 844 892 0111 (UK only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified
Health hazards Elicitation - EUH208
Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Hazard statements H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains Polyhexamethylene biguanide hydrochloride. May produce an allergic reaction.

Precautionary statements P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Polyhexamethylene biguanide hydrochloride <1% CAS number: 27083-27-8 M factor (Acute) = 10 M factor (Chronic) = 1
Classification Acute Tox. 4 - H302 Acute Tox. 2 - H330 Eye Dam. 1 - H318 Skin Sens. 1B - H317 Carc. 2 - H351 STOT RE 1 - H372 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
Didecyldimethylammonium chloride <1% CAS number: 7173-51-5 EC number: 230-525-2 M factor (Acute) = 10
Classification Met. Corr. 1 - H290 Acute Tox. 3 - H301 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
Quaternary ammonium compounds, benzyl (C12-C16) alkyl dimethyl, chlorides <1% CAS number: 68424-85-1 EC number: 270-325-2 M factor (Acute) = 10 M factor (Chronic) = 1
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Ingestion	Do not induce vomiting. Get medical attention if symptoms are severe or persist. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person.
Skin contact	Skin irritation should not occur when used as recommended. Wash with plenty of water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

General information No additional information available.

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

Notes for the doctor No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Carbon dioxide (CO₂). Powder. Water spray. Alcohol-resistant foam.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards None known.

Hazardous combustion products Toxic gases and fumes may be released in a fire.

5.3. Advice for firefighters

Protective actions during firefighting Use fire-extinguishing media suitable for the surrounding fire. Fight fire with normal precautions from a reasonable distance. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel In case of fire: Wear self-contained breathing apparatus. Wear protective clothing, gloves, eye and face protection. Keep unnecessary and unprotected personnel away from the spillage. Eliminate all sources of ignition. Ventilate closed spaces before entering them.

For emergency responders Wear self-contained breathing apparatus. Wear protective clothing, gloves, eye and face protection. Dilute with plenty of water. Do not allow uncontrolled discharge of product into the environment. Evacuate unnecessary personnel.

6.2. Environmental precautions

Environmental precautions Avoid discharge to the aquatic environment.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain spillage with sand, earth or other suitable non-combustible material. Dilute with plenty of water. Contain and dispose of waste according to local regulations.

6.4. Reference to other sections

Reference to other sections No additional information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Use only non-sparking tools. Avoid contact with eyes.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep containers upright. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Avoid contact with oxidising agents. Store at temperatures not exceeding 35°C.

Storage class Unspecified storage.

7.3. Specific end use(s)

Specific end use(s) No additional information available.

Usage description No additional information available.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

No additional information available.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Eye/face protection Wear chemical splash goggles.

Hand protection Hand protection not required.

Other skin and body protection Not applicable.

Respiratory protection Respiratory protection not required.

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SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless to pale yellow.
Odour	Characteristic.
Odour threshold	No information available.
pH	pH (concentrated solution): 6.00 - 8.00
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.987-1.007 @ 20°C
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable at normal ambient temperatures and when used as recommended.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Stable at normal ambient temperatures and when used as recommended.
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10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid Anionics. Hypochlorite. Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Skin corrosion/irritation Not classified.

Serious eye damage/irritation

Serious eye damage/irritation Not classified.

Respiratory sensitisation

Respiratory sensitisation Not classified.

Skin sensitisation

Skin sensitisation May cause sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity

Genotoxicity - in vitro Not classified.

Genotoxicity - in vivo Not classified.

Reproductive toxicity

Reproductive toxicity - fertility Not classified.

Reproductive toxicity - development Not classified.

Aspiration hazard

Aspiration hazard Not classified.

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity When used as instructed, the product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

Persistence and degradability No additional information available.

12.3. Bioaccumulative potential

Partition coefficient No information available.

12.4. Mobility in soil

Mobility No additional information available.

12.5. Results of PBT and vPvB assessment

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Results of PBT and vPvB assessment No additional information available.

12.6. Other adverse effects

Other adverse effects No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations Do not discharge into drains or watercourses or onto the ground. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

Disposal methods The generation of waste should be minimised or avoided wherever possible.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations No additional information available.

EU legislation 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 (as amended).

15.2. Chemical safety assessment

A chemical safety assessment has been carried out. Refer to TR-176 for toxicological assessment.

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SECTION 16: Other information

Revision date	11/05/2015
Revision	1
SDS number	4677
Hazard statements in full	H290 May be corrosive to metals. H301 Toxic if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H351 Suspected of causing cancer. H372 Causes damage to organs (Respiratory tract) through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH208 Contains Polyhexamethylene biguanide hydrochloride. May produce an allergic reaction.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.