

CLEANER/SANITISER

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

1.1 - Product identifier

Trade name/designation CLEANER/SANITISER

Chemical name

Product-type Mixture

Product code 61307 BVH

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

Relevant identified uses - PC8: Biocidal products (e.g. Disinfectants, pest control).

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]

| | |
|-------------------|--|
| Skin Irrit. 2 | Irritation, Category 2 |
| Eye Irrit. 2 | Eye irritation - Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment - Aquatic Chronic 3 |

2.2 - Label elements

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

Signal word : Warning

Hazard pictograms



Hazard statements

| | |
|------|---|
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H412 | Harmful to aquatic life with long lasting effects |

Precautionary statements

| | |
|------|---------------------------------------|
| P264 | Wash hands thoroughly after handling. |
|------|---------------------------------------|

CLEANER/SANITISER

| | |
|----------------|---|
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/eye protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of water and soap. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P501 | Dispose of contents/container to an appropriate recycling or disposal facility in accordance with local/regional/national regulation. |

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

| 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 - 5 | 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 |
| Amines, C12-14 -alkyldimethyl , N-Oxides | CAS No. : 308062-28-4 Index No. : EC No. : 931-292-6 REACH No. : 2119490061-47-XX | 0 - 5 | Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411 Eye Dam. 1 - H318 Skin Irrit. 2 - H315 | Not applicable |
| didecyldimethylammonium chloride | CAS No. : 7173-51-5 Index No. : 612-131-00-6 EC No. : 230-525-2 | 0 - 5 | Acute Tox. 4 Oral - H302 Skin Corr. 1B - H314 | Not applicable |

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- No special measures are necessary.
- Provide fresh air.
- When in doubt or if symptoms are observed, get medical advice.

Following skin contact

- After contact with skin, wash immediately with plenty of water and soap.
- In case of skin irritation, consult a physician.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Rinse mouth thoroughly with water.

CLEANER/SANITISER

- Do NOT induce vomiting.
- Seek medical advice immediately.

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

- | | |
|--|---|
| <u>Symptoms and effects - Following inhalation</u> | - No known effects or symptoms in normal use. |
| <u>Symptoms and effects - Following skin contact</u> | - May cause skin irritation. |
| <u>Symptoms and effects - After eye contact</u> | - Serious eye damage/eye 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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

- | | |
|---------------------------------------|---|
| <u>Suitable extinguishing media</u> | - ABC-powder - Carbon dioxide (CO ₂) - 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. |
|--|-----------------------------|

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

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

6.2 - Environmental precautions

- Do not allow large spills to enter into surface water or drains.
- Ensure waste is collected and contained.
- Small spillages can be rinsed away with plenty of water.

6.3 - Methods and material for containment and cleaning up

- | | |
|---|-----------------------------|
| <u>Methods and material for containment</u> | - Clear spills immediately. |
|---|-----------------------------|

CLEANER/SANITISER

Methods and material for cleaning up - Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques - No information available.

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

Recommendation - Avoid: Eye contact
- Avoid: Skin contact

Advices on general occupational hygiene - Wash contaminated clothing prior to re-use.
- Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.
- Only use containers specifically approved for the substance/product.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls - Ensure there is sufficient ventilation

Individual protection measures, such as personal protective equipment - Eye protection



- Protective Clothing
- Protective gloves



- Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

| | | | |
|-----------------------|--------|-------------------|-----------|
| <u>Physical state</u> | Liquid | <u>Appearance</u> | Liquid |
| <u>Colour</u> | Purple | <u>Odour</u> | odourless |

CLEANER/SANITISER

| | |
|-------------------------------|-------------------|
| Odour threshold | No data available |
| pH | 10 < V < 11 |
| Melting point | No data available |
| Freezing point | No data available |
| Boiling point | 100 °C |
| Flash point | No data available |
| 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.

10.3 - Possibility of hazardous reactions

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

10.4 - Conditions to avoid

- Avoid direct sunlight.
- Avoid excessive heat for prolonged periods of time.

10.5 - Incompatible materials

CLEANER/SANITISER

- 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 |

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation

- Irritating to skin.

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation

- Irritating to eyes.

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

Aspiration hazard - Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

CLEANER/SANITISER

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 |

- Harmful to aquatic life with long lasting effects.

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.

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

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

CLEANER/SANITISER

Special precautions for waste treatment - No information available.

Community or national or regional provisions - 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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

15.2 - Chemical Safety Assessment

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

SECTION 16: Other information

SDS versions

| Version | Issue date | Author | Description of the amendments |
|---------|------------|--------|-------------------------------|
| 1 | 29/11/2021 | | |

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 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment - Aquatic Chronic 3 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation - Category 2 |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |

CLEANER/SANITISER

| | |
|---------------|---|
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H400 | Very toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| Skin Corr. 1B | Skin corrosion, Category 1B |
| Skin Irrit. 2 | Irritation, Category 2 |

*** **