

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Antibacteriel Handfoam

**Product no.**

111

**Unique formula identifier (UFI)**

YNWY-0TF6-200U-QQCY

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

**Relevant identified uses of the substance or mixture**

Disinfection PT1

**Uses advised against**

No special

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

**Company and address****Blue & Green AB**

Stenorsvägen 52

261 44 Landskrona

Sweden

+46 418 399000

www.blueandgreen.se

**E-mail**

info@blueandgreen.se

**Revision**

14/06/2022

**SDS Version**

3.0

**Date of previous version**

08/06/2022 (2.0)

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable

**Signal word**

Not applicable

**Hazard statement(s)**

Not applicable

**Safety statement(s)**

General

-

Prevention

-

Response

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

-  
Storage

-  
Disposal

**Hazardous substances**

No special

**2.3. Other hazards**

**Additional labelling**

Active substance(s):  
didecyldimethylammonium chloride (0.0495 g/100g)

**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**SECTION 3: Composition/information on ingredients**

**▼ 3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
didecyldimethylammonium chloride	CAS No.: 7173-51-5 EC No.: 230-525-2 REACH: Index No.: 612-131-00-6	<0.05%	EUH071 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) Aquatic Chronic 2, H411	[4]

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

[4] Substance is listed in Annex I of the Prior Informed Consent Regulation (PIC, Regulation (EU) 649/2012).

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation**

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

**Skin contact**

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

**Eye contact**

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) and continue until irritation stops.

**Ingestion**

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

**Burns**

Not applicable

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

No special

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

<p><b>4.3. Indication of any immediate medical attention and special treatment needed</b>          No special  <b>Information to medics</b>          Bring this safety data sheet or the label from this product.</p>						
<p><b>SECTION 5: Firefighting measures</b></p> <p><b>5.1. Extinguishing media</b>          Not applicable</p> <p><b>5.2. Special hazards arising from the substance or mixture</b>          Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.</p> <p><b>5.3. Advice for firefighters</b>          Fire fighters should wear appropriate personal protective equipment.</p>						
<p><b>SECTION 6: Accidental release measures</b></p> <p><b>6.1. Personal precautions, protective equipment and emergency procedures</b>          No specific requirements</p> <p><b>6.2. Environmental precautions</b>          Avoid discharge to lakes, streams, sewers, etc.</p> <p><b>6.3. Methods and material for containment and cleaning up</b>          Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.          To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.</p> <p><b>6.4. Reference to other sections</b>          See section 13 on "Disposal considerations" in regard of handling of waste.          See section 8 "Exposure controls/personal protection" for protective measures.</p>						
<p><b>SECTION 7: Handling and storage</b></p> <p><b>7.1. Precautions for safe handling</b>          Smoking, drinking and consumption of food is not allowed in the work area.          See section 8 "Exposure controls/personal protection" for information on personal protection.</p> <p><b>7.2. Conditions for safe storage, including any incompatibilities</b>  <b>Recommended storage material</b>          Always store in containers of the same material as the original container.  <b>Storage temperature</b>          Room temperature 18 to 23°C  <b>Incompatible materials</b>          Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.</p> <p><b>7.3. Specific end use(s)</b>          This product should only be used for applications quoted in section 1.2</p>						
<p><b>SECTION 8: Exposure controls/personal protection</b></p> <p>▼ <b>8.1. Control parameters</b>          No substances are listed in the national list of substances with an occupational exposure limit.</p> <p>▼ <b>DNEL</b>          No data available</p> <p>▼ <b>PNEC</b>          didecyldimethylammonium chloride</p> <table border="1"> <thead> <tr> <th>Route of exposure</th> <th>Duration of Exposure</th> <th>PNEC</th> </tr> </thead> <tbody> <tr> <td>Freshwater</td> <td></td> <td>1.1 µg/L</td> </tr> </tbody> </table>	Route of exposure	Duration of Exposure	PNEC	Freshwater		1.1 µg/L
Route of exposure	Duration of Exposure	PNEC				
Freshwater		1.1 µg/L				

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Freshwater sediment	61.86 mg/kg
Intermittent release (freshwater)	210 ng/L
Intermittent release (marine water)	21 ng/L
Marine water	110 ng/L
Marine water sediment	6.186 mg/kg
Sewage treatment plant	140 µg/L

### ▼ 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### ▼ Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

#### ▼ Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

#### Hygiene measures

Wash hands after use.

#### Measures to avoid environmental exposure

No specific requirements

#### Individual protection measures, such as personal protective equipment

##### Generally

No specific requirements

##### Respiratory Equipment

No specific requirements

##### Skin protection

No specific requirements

##### Hand protection

No specific requirements

##### Eye protection

No specific requirements

## SECTION 9: Physical and chemical properties

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

#### Physical state

Liquid

#### Colour

Colourless

#### Odour / Odour threshold

None

#### pH

4-6

#### Density (g/cm<sup>3</sup>)

1

#### Kinematic viscosity

Testing not relevant or not possible due to nature of the product.

#### Particle characteristics

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Does not apply to liquids.

#### Phase changes

##### Melting point/Freezing point (°C)

Testing not relevant or not possible due to nature of the product.

##### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

##### Boiling point (°C)

100

##### Vapour pressure

Testing not relevant or not possible due to nature of the product.

##### Relative vapour density

Testing not relevant or not possible due to nature of the product.

##### Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

#### Data on fire and explosion hazards

##### Flash point (°C)

Testing not relevant or not possible due to nature of the product.

##### Ignition (°C)

Testing not relevant or not possible due to nature of the product.

##### Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

##### Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

#### Solubility

##### Solubility in water

Completely soluble

##### n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

##### Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

#### 9.2. Other information

##### Other physical and chemical parameters

No data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available

#### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

#### 10.3. Possibility of hazardous reactions

No special

#### 10.4. Conditions to avoid

No special

#### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

### SECTION 11: Toxicological information

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

##### ▼ Acute toxicity

Product/substance	didecyldimethylammonium chloride
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Test method	
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species	Rat
Route of exposure	Oral
Test	LD50
Result	300-2000 mg/kg
Other information	

#### **Skin corrosion/irritation**

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

#### **Serious eye damage/irritation**

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

#### **Respiratory sensitisation**

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

#### **Skin sensitisation**

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

#### **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**

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

#### **STOT-repeated exposure**

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

#### **Aspiration hazard**

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

### **11.2. Information on other hazards**

#### **Long term effects**

No special

#### **Endocrine disrupting properties**

No special

#### **▼ Other information**

No special

## **SECTION 12: Ecological information**

### **▼ 12.1. Toxicity**

Product/substance	didecyldimethylammonium chloride
Test method	
Species	Fish, Danio rerio
Compartment	
Duration	96 hours
Test	LC50
Result	0,1-1 mg/L
Other information	

Product/substance	didecyldimethylammonium chloride
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result 0,01-0,1 mg/L  
Other information

Product/substance didecyldimethylammonium chloride  
Test method  
Species Algae, Pseudokirchneriella subcapitata  
Compartment  
Duration 72 hours  
Test  
Result 0,01-0,1 mg/L  
Other information

#### ▼ 12.2. Persistence and degradability

Product/substance didecyldimethylammonium chloride  
Biodegradable Yes  
Test method  
Result

#### ▼ 12.3. Bioaccumulative potential

Product/substance didecyldimethylammonium chloride  
Test method  
Potential No  
bioaccumulation  
LogPow No data available  
BCF No data available  
Other information

#### 12.4. Mobility in soil

No data available

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

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. Endocrine disrupting properties

No special

#### 12.7. Other adverse effects

No special

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

#### EWC code

07 06 99 Wastes not otherwise specified

#### Specific labelling

Not applicable

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group  
\*\* Environmental hazards

**Additional information**  
Not dangerous goods according to ADR, IATA and IMDG.

**14.6. Special precautions for user**  
Not applicable

**14.7. Maritime transport in bulk according to IMO instruments**  
No data available

## SECTION 15: Regulatory information

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

#### Restrictions for application

No special

#### Demands for specific education

No specific requirements

#### SEVESO - Categories / dangerous substances

Not applicable

#### Biocidal Products Regulations

Product type: PT1 - Human hygiene

Restrictions on use:

-

Directions for use and dose rate:

-

Additional information:

-

#### Additional information

Not applicable

#### Sources

In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law.

Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

H314, Corrosive to the respiratory tract.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H318, Causes serious eye damage.



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

H400, Very toxic to aquatic life.

H410, Very toxic to aquatic life with long lasting effects.

H411, Toxic to aquatic life with long lasting effects.

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### ▼ Additional information

In accordance with UK-REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required by UK-REACH.

#### ▼ The safety data sheet is validated by

Åsa Möller

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en