



## SAFETY DATA SHEET ALCOHOL-FREE HAND SANITISER RUB

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

#### 1.1. Product identifier

**Product name** ALCOHOL-FREE HAND SANITISER RUB

**UFI** UFI: JJ70-V0EE-T00K-8CUT

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

**Identified uses** Hand Sanitiser.

**Uses advised against** This product is NOT for human consumption. Use only for intended applications.

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

**Supplier** Orca Hygiene  
Blackhouse Circle,  
Blackhouse Industrial Estate,  
Peterhead, AB42 1BN  
+44 (0)1779 871945  
technical@orcahygiene.com

**Contact person** For content of safety data sheet: technical@orcahygiene.com

**Manufacturer** Orca Hygiene  
Blackhouse Circle,  
Blackhouse Industrial Estate,  
Peterhead, AB42 1BN  
+44 (0)1779 871945  
technical@orcahygiene.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)1779 871945

**National emergency telephone number** For the emergency services - the ambulance, police and fire services - Tel: 999 /  
When you need medical advice or treatment but it is not an emergency - Tel: 111

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Aquatic Chronic 3 - H412

#### 2.2. Label elements

**Hazard statements** H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements** P273 Avoid release to the environment.  
P332+P313 If skin irritation occurs: Get medical advice/ attention.  
P501 Dispose of contents/ container in accordance with national regulations.

#### 2.3. Other hazards

**Other hazards** This product is not identified as a PBT/vPvB substance.

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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES** <1%

CAS number: 68424-85-1

M factor (Acute) = 10

M factor (Chronic) = 1

#### Classification

Acute Tox. 4 - H302

Skin Corr. 1B - H314

Eye Dam. 1 - H318

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

**AMINES, C12-14 (EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES** <1%

CAS number: 308062-28-4

EC number: 931-292-6

REACH registration number: 01-2119490061-47-XXXX

M factor (Acute) = 1

#### Classification

Acute Tox. 4 - H302

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

Aquatic Acute 1 - H400

Aquatic Chronic 2 - H411

**DIDCYLDIMETHYLAMMONIUM CHLORIDE** <1%

CAS number: 7173-51-5

EC number: 230-525-2

REACH registration number: 01-2119945987-15-XXXX

M factor (Acute) = 10

#### Classification

Acute Tox. 4 - H302

Skin Corr. 1B - H314

Eye Dam. 1 - H318

Aquatic Acute 1 - H400

Aquatic Chronic 2 - H411

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

No special treatment required.

#### Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

#### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

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

#### Skin contact

No adverse effects known.

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**Eye contact** No adverse effects known.

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

**Notes for the doctor** Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog. Sand.

**Unsuitable extinguishing media** High volume water jet.

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

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

### **5.3. Advice for firefighters**

**Protective actions during firefighting** Control run-off water by containing and keeping it out of sewers and watercourses.

**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**

**Personal precautions** For personal protection, see Section 8. Take care as floors and other surfaces may become slippery. Wash thoroughly after dealing with a spillage.

### **6.2. Environmental precautions**

**Environmental precautions** Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Stop leak if safe to do so. Take care as floors and other surfaces may become slippery. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

### **6.4. Reference to other sections**

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

**Usage precautions** Avoid contact with eyes. Avoid spilling.

**Advice on general occupational hygiene** No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Wash at the end of each work shift and before eating, smoking and using the toilet.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### **7.3. Specific end use(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: Exposure controls/Personal protection**

### **8.1. Control parameters**

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## Occupational exposure limits

Contains no substances with occupational exposure limit values.

### DIDECYLDIMETHYLAMMONIUM CHLORIDE (CAS: 7173-51-5)

<b>DNEL</b>	Derived No Effect Level (DNEL)
<b>PNEC</b>	Predicted No Effect Concentration (PNEC)

## 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>Eye/face protection</b>	No specific eye protection required during normal use.
<b>Hand protection</b>	For users with sensitive skin, it is recommended that suitable protective gloves are worn.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>Hygiene measures</b>	When using do not eat, drink or smoke. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.
<b>Respiratory protection</b>	Respiratory protection not required.
<b>Environmental exposure controls</b>	Do not allow discharge into the environment.

## **SECTION 9: Physical and chemical properties**

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Clear.
<b>Odour</b>	Characteristic.
<b>pH</b>	pH (concentrated solution): 7-7.5
<b>Relative density</b>	~ 1.000 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.
<b>Comments</b>	Information given is applicable to the product as supplied.

### 9.2. Other information

<b>Other information</b>	Not applicable.
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## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
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### 10.3. Possibility of hazardous reactions

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**Possibility of hazardous reactions** Not applicable.

## 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight.

## 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

## 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**Summary** Not classified.

#### Acute toxicity - dermal

**Summary** Not classified

#### Acute toxicity - inhalation

**Summary** Not classified.

#### Skin corrosion/irritation

**Summary** Not classified.

#### Serious eye damage/irritation

**Summary** Based on available data the classification criteria are not met.

#### Respiratory sensitisation

**Summary** Not classified

#### Skin sensitisation

**Summary** Not classified

#### Carcinogenicity

**Summary** Not classified.

#### Aspiration hazard

**Summary** Not classified

**General information** This product has low toxicity.

**Inhalation** No specific health hazards known.

**Ingestion** May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.

**Skin contact** No adverse effects known.

**Eye contact** No adverse effects known.

### Toxicological information on ingredients.

#### QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12- 16-ALKYLDIMETHYL, CHLORIDES

##### Acute toxicity - oral

**ATE oral (mg/kg)** 500.0

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## AMINES, C12-14 (EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 3,800.0

Species Rat

ATE oral (mg/kg) 500.0

## DIDECYLDIMETHYLAMMONIUM CHLORIDE

### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 658.0

Species Rat

ATE oral (mg/kg) 500.0

### Skin corrosion/irritation

Summary Skin irritation.

### Serious eye damage/irritation

Summary Eye Irritation

### Respiratory sensitisation

Summary No data available

### Skin sensitisation

Summary Negative

### Germ cell mutagenicity

Summary Negative

### Carcinogenicity

Summary No data available.

### Specific target organ toxicity - single exposure

STOT - single exposure May cause drowsiness or dizziness

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

### Aspiration hazard

Summary No data available

### General information

Systemic effects:

After absorption:

Headache, Dizziness, inebriation, narcosis, Unconsciousness

After uptake:

respiratory paralysis, Coma

Under given conditions, contact with nitrites or nitric acid can lead to the formation of nitrosamines, which have shown themselves to be carcinogenic in animal experiments.

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

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**Ecotoxicity** There are no data on the ecotoxicity of this product.

## 12.1. Toxicity

**Toxicity** There are no data on the ecotoxicity of this product.

### Ecological information on ingredients.

#### QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12- 16-ALKYLDIMETHYL, CHLORIDES

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.01 < L(E)C50 ≤ 0.1

**M factor (Acute)** 10

##### Chronic aquatic toxicity

**NOEC** 0.01 < NOEC ≤ 0.1

**Degradability** Non-rapidly degradable

**M factor (Chronic)** 1

#### AMINES, C12-14 (EVEN NUMBERED)-ALKYLDIMETHYL, N-OXIDES

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C50 ≤ 1

**M factor (Acute)** 1

#### DIDECYLDIMETHYLAMMONIUM CHLORIDE

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.01 < L(E)C50 ≤ 0.1

**M factor (Acute)** 10

**Acute toxicity - fish** LC50 Danio rerio (zebra fish): 0,49 mg/l; 96 h

**Acute toxicity - aquatic invertebrates** EC50 Daphnia magna (Water flea): 0,057 mg/l; 48 h

## 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### Ecological information on ingredients.

#### DIDECYLDIMETHYLAMMONIUM CHLORIDE

**Persistence and degradability** No data available.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### Ecological information on ingredients.

#### DIDECYLDIMETHYLAMMONIUM CHLORIDE

**Bioaccumulative potential** No information available.

## 12.4. Mobility in soil

**Mobility** The product is water-soluble and may spread in water systems.

### Ecological information on ingredients.

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## DIDECYLDIMETHYLAMMONIUM CHLORIDE

**Mobility** No data available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

## DIDECYLDIMETHYLAMMONIUM CHLORIDE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible.

**Disposal methods** The packaging must be empty (drop-free when inverted). Waste packaging should be collected for reuse or recycling. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## **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 MARPOL 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

# ALCOHOL-FREE HAND SANITISER RUB

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended). EH40/2005 Workplace exposure limits.
<b>EU legislation</b>	Commission Regulation (EU) No 2015/830 of 28 May 2015. 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). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended). Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40.

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
<b>SDS number</b>	24513
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. 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. H412 Harmful to aquatic life with long lasting effects.

**DIRECTIONS FOR USE**

**PRODUCT LOGO**