



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)

DNEL	Derived No Effect Level (DNEL)
PNEC	Predicted No Effect Concentration (PNEC)

8.2. Exposure controls

Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	No specific eye protection required during normal use.
Hand protection	For users with sensitive skin, it is recommended that suitable protective gloves are worn.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	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.
Respiratory protection	Respiratory protection not required.
Environmental exposure controls	Do not allow discharge into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Clear.
Odour	Characteristic.
pH	pH (concentrated solution): 7-7.5
Relative density	~ 1.000 @ 20°C
Solubility(ies)	Soluble in water.
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.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information	Not applicable.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	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 (LD₅₀ mg/kg) 3,800.0

Species Rat

ATE oral (mg/kg) 500.0

DIDECYLDIMETHYLAMMONIUM CHLORIDE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 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)₅₀ 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)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

DIDECYLDIMETHYLAMMONIUM CHLORIDE

Acute aquatic toxicity

LE(C)₅₀ 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

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National regulations	Control of Substances Hazardous to Health Regulations 2002 (as amended). EH40/2005 Workplace exposure limits.
EU legislation	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).
Guidance	Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
SDS number	24513
Hazard statements in full	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