



SAFETY DATA SHEET

ORCA HYGIENE 80% ALCOHOL HAND SANITISER LIQUID RUB

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

1.1. Product identifier

Product name ORCA HYGIENE 80% ALCOHOL HAND SANITISER LIQUID RUB

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.

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

1.4. Emergency telephone number

Emergency telephone Orca Hygiene +44 (0)1779 871945 (Mon-Fri) 09:00 - 17:00

National emergency telephone number UK Tel: 999 - For Emergency services - Ambulance, Police and Fire services Tel: 111 - When you need medical advice or treatment but it is not an emergency.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

ORCA HYGIENE 80% ALCOHOL HAND SANITISER LIQUID RUB

Precautionary statements	P102 Keep out of reach of children.
	P103 Read label before use.
	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233 Keep container tightly closed.
	P240 Ground and bond container and receiving equipment.
	P243 Take action to prevent static discharges.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P403+P235 Store in a well-ventilated place. Keep cool.
	P501 Dispose of contents/ container in accordance with national regulations.
	Supplementary precautionary statements
P242 Use non-sparking tools.	
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.	
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.	

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ethanol			60-100%
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX	
Classification			
Flam. Liq. 2 - H225			

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Due to the small packaging, the risk of inhalation is minimal.
Ingestion	Do not induce vomiting. Get medical attention immediately.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Get medical attention.

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

Inhalation	No specific symptoms known.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	None known.
Eye contact	May cause severe eye irritation.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

ORCA HYGIENE 80% ALCOHOL HAND SANITISER LIQUID RUB

Specific hazards	Extremely flammable liquid and vapour. May form explosive mixture with air at very high concentration.
Hazardous combustion products	Oxides of carbon.
5.3. Advice for firefighters	
Protective actions during firefighting	Cool containers exposed to flames with water until well after the fire is out.
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	Avoid contact with eyes. Wear protective clothing as described in Section 8 of this safety data sheet.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains, water courses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Keep away from heat, sparks and open flame. Avoid contact with eyes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Container must be kept tightly closed when not in use. Do not store near heat sources or expose to high temperatures.
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Storage class	Flammable liquid storage.
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7.3. Specific end use(s)

Specific end use(s)	Hand Sanitizer
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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

WEL = Workplace Exposure Limit.

8.2. Exposure controls

ORCA HYGIENE 80% ALCOHOL HAND SANITISER LIQUID RUB

Protective equipment



Appropriate engineering controls	Not applicable.
Personal protection	Materials for protective clothing: GIVE EXCELLENT RESISTANCE: butyl rubber. viton. GIVE GOOD RESISTANCE: neoprene. tetrafluoroethylene. GIVE LESS RESISTANCE: nitrile rubber. polyethylene. GIVE POOR RESISTANCE: natural rubber. PVA. PVC.
Eye/face protection	No specific eye protection required during normal use. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	Not applicable.
Other skin and body protection	Not applicable.
Hygiene measures	Do not smoke in work area. Discard contaminated shoes and clothing.
Respiratory protection	Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Clear liquid.
Odour	Characteristic.
pH	6-7
Melting point	-114°C
Initial boiling point and range	78.5°C
Flash point	21°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 3.3 % Upper flammable/explosive limit: 19 %
Vapour pressure	59.3 mm Hg @ 20°C
Relative density	.79 @ 20°C
Solubility(ies)	Completely soluble in water.
Auto-ignition temperature	363°C

9.2. Other information

Volatile organic compound	Estimated value. This product contains a maximum VOC content of 700 g/l.
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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	No particular stability concerns.
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ORCA HYGIENE 80% ALCOHOL HAND SANITISER LIQUID RUB

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Hazardous reactions will not occur under normal transport or storage conditions

10.4. Conditions to avoid

Conditions to avoid Keep away from heat, sparks and open flame.

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 Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Summary No adverse effect observed

Serious eye damage/irritation

Summary Eye Irritation

Respiratory sensitisation

Summary No adverse effect observed

Skin sensitisation

Summary No sensitising effect known.

Germ cell mutagenicity

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

Carcinogenicity

Summary Does not contain any substances known to be carcinogenic.

Reproductive toxicity

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

Specific target organ toxicity - single exposure

Summary Not Classified

Aspiration hazard

Summary Not conclusive data for classification.

Inhalation

No specific symptoms known.

Ingestion

May cause nausea, headache, dizziness and intoxication.

Skin contact

Skin irritation should not occur when used as recommended.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Redness.

Toxicological information on ingredients.

ethanol

Skin corrosion/irritation

ORCA HYGIENE 80% ALCOHOL HAND SANITISER LIQUID RUB

Summary No data available.

Serious eye damage/irritation

Summary Eye Irritation

Respiratory sensitisation

Summary No data available

Skin sensitisation

Summary No data available

Germ cell mutagenicity

Summary No data is available on this product.

Carcinogenicity

IARC carcinogenicity IARC Group 1 Carcinogenic to humans.

Reproductive toxicity

Summary No data is available on this product.

Specific target organ toxicity - single exposure

Summary No data available

Specific target organ toxicity - repeated exposure

Summary No data available

Aspiration hazard

Summary No data available

Acute and chronic health hazards Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 12: Ecological information

Ecotoxicity This product is not expected to be hazardous to the environment.

Ecological information on ingredients.

ethanol

Ecotoxicity Do not empty into drains. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

12.1. Toxicity

Toxicity The product is not expected to be toxic to aquatic organisms.

Ecological information on ingredients.

ethanol

Acute aquatic toxicity

Acute toxicity - fish Fathead minnow
(Pimephales promelas)
LC50 = 14200 mg/l/96h

ORCA HYGIENE 80% ALCOHOL HAND SANITISER LIQUID RUB

Acute toxicity - aquatic invertebrates EC50 = 9268 mg/L/48h
EC50 = 10800 mg/L/24h

Acute toxicity - aquatic plants EC50 (72h) = 275 mg/l
(Chlorella vulgaris)

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

Ecological information on ingredients.

ethanol

Persistence and degradability Persistence is unlikely based on information available.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

ethanol

Bioaccumulative potential No information available.

Partition coefficient Not available.

12.4. Mobility in soil

Mobility Soluble in water.

Ecological information on ingredients.

ethanol

Mobility Will likely be mobile in the environment due to its volatility.

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.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste product or used containers in accordance with local regulations Contaminated Packaging Empty containers retain product residue, (liquid and/or vapour), and can be dangerous. Keep product and empty container away from heat and sources of ignition. European Waste Catalogue (EWC) According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1993

UN No. (IMDG) 1993

ORCA HYGIENE 80% ALCOHOL HAND SANITISER LIQUID RUB

UN No. (ICAO) 1993

UN No. (ADN) 1993

14.2. UN proper shipping name

Proper shipping name (ADR/RID) FLAMMABLE LIQUID, N.O.S. (ETHANOL)

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (ETHANOL)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (ETHANOL)

Proper shipping name (ADN) FLAMMABLE LIQUID, N.O.S. (ETHANOL)

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

ADN packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 2

Emergency Action Code •3YE

Hazard Identification Number (ADR/RID) 33

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

ORCA HYGIENE 80% ALCOHOL HAND SANITISER LIQUID RUB

National regulations

- CDG: Carriage of dangerous goods
- CHIP: Chemicals (Hazard Information and Packaging for Supply)
- CLP: Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation), adopting in the EU the Globally Harmonised System (GHS)
- COSHH: Control of substances hazardous to health
- DSEAR: The Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR)
- REACH: Registration, Evaluation, Authorisation & restriction of CHemicals (REACH)

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date	23/11/2020
Revision	7
Supersedes date	23/11/2020
SDS number	24244
Hazard statements in full	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.

DIRECTIONS FOR USE

PRODUCT LOGO