



## SAFETY DATA SHEET

### ORCA HYGIENE 70% ALCOHOL HAND SANITISER GEL

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

##### 1.1. Product identifier

**Product name** ORCA HYGIENE 70% ALCOHOL HAND SANITISER GEL

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

**Identified uses** Hand Sanitiser.

##### 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

#### SECTION 2: Hazards identification

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

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

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Not Classified

**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Hazard pictograms



**Signal word** Warning

**Hazard statements** H226 Flammable liquid and vapour.

**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.  
P243 Take action to prevent static discharges.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/ container in accordance with national regulations.

## ORCA HYGIENE 70% ALCOHOL HAND SANITISER GEL

**Supplementary precautionary statements**

P241 Use explosion-proof electrical equipment.  
 P242 Use non-sparking tools.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P403+P235 Store in a well-ventilated place. Keep cool.

### 2.3. Other hazards

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

##### 3.2. Mixtures

|                       |                      |
|-----------------------|----------------------|
| <b>ethanol</b>        | <b>60-100%</b>       |
| CAS number: 64-17-5   | EC number: 200-578-6 |
| <b>Classification</b> |                      |
| 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

**Notes for the doctor** No specific recommendations.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

**Suitable extinguishing media** Water spray, fog or mist. Carbon dioxide or dry powder. Dry chemicals.

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

**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.

## ORCA HYGIENE 70% ALCOHOL HAND SANITISER GEL

**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**      Wear protective clothing as described in Section 8 of this safety data sheet.

#### 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.

#### 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.

#### 6.4. Reference to other sections

**Reference to other sections**      For personal protection, see Section 8.

### 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.

#### 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. Keep away from heat, sparks and open flame.

**Storage class**      Flammable liquid storage.

#### 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

##### Occupational exposure limits

Long term exposure limit (8 hour TWA):

•1000 ppm

•1920 mg/m<sup>3</sup>

Short term exposure limit – N/A

##### **ethanol**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

#### 8.2. Exposure controls

##### **Protective equipment**



**Appropriate engineering controls**      Not applicable.

## ORCA HYGIENE 70% ALCOHOL HAND SANITISER GEL

|                                       |   |
|---------------------------------------|---|
| <b>Personal protection</b>            | 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. |
| <b>Eye/face protection</b>            | 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.   |
| <b>Hand protection</b>                | Not applicable.   |
| <b>Other skin and body protection</b> | Not applicable.   |
| <b>Hygiene measures</b>               | Do not smoke in work area. Discard contaminated shoes and clothing.   |
| <b>Respiratory protection</b>         | Not applicable.   |

### SECTION 9: Physical and chemical properties

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

|   |   |
|---|---|
| <b>Appearance</b>                                   | Liquid  |
| <b>Colour</b>                                       | Colourless.   |
| <b>Odour</b>  | Alcohol odour. Pleasant odour.                              |
| <b>pH</b>   | 6.0 - 7.5   |
| <b>Melting point</b>                                | Not available.  |
| <b>Flash point</b>                                  | 21 deg C  |
| <b>Flammability (solid, gas)</b>                    | Highly flammable liquid and vapour.                         |
| <b>Upper/lower flammability or explosive limits</b> | Not available.  |
| <b>Relative density</b>                             | 0.8-0.9 g/cm-3  |
| <b>Solubility(ies)</b>                              | Not available.  |
| <b>Viscosity</b>                                    | 5800-7000 mPa.s @ 20°C                                      |
| <b>Oxidising properties</b>                         | Does not meet the criteria for classification as oxidising. |

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

|                   |   |
|-------------------|---|
| <b>Reactivity</b> | There are no known reactivity hazards associated with this product. |
|-------------------|---|

#### 10.2. Chemical stability

|                  |                                   |
|------------------|-----------------------------------|
| <b>Stability</b> | No particular stability concerns. |
|------------------|-----------------------------------|

#### 10.3. Possibility of hazardous reactions

|   |   |
|---|---|
| <b>Possibility of hazardous reactions</b> | Hazardous reactions will not occur under normal transport or storage conditions |
|---|---|

#### 10.4. Conditions to avoid

|                            |   |
|----------------------------|---|
| <b>Conditions to avoid</b> | Keep away from heat, sparks and open flame. |
|----------------------------|---|

#### 10.5. Incompatible materials

## ORCA HYGIENE 70% ALCOHOL HAND SANITISER GEL

**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

#### Acute toxicity - oral

**Summary** Not classified.

#### Acute toxicity - dermal

**Summary** Not classified

#### Acute toxicity - inhalation

**Summary** Not classified.

#### 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

#### Specific target organ toxicity - repeated exposure

**Summary** Not classified

#### Aspiration hazard

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

**Inhalation** No specific health hazards 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.

## SECTION 12: Ecological information

## ORCA HYGIENE 70% ALCOHOL HAND SANITISER GEL

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

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

### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

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

### 12.4. Mobility in soil

**Mobility** Soluble in water.

### 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

**Disposal methods** Waste is classified as hazardous waste. Dispose of waste product or used containers in accordance with local regulations Contaminated Packaging  
Dispose of this container to hazardous or special waste collection point. 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

**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

## ORCA HYGIENE 70% ALCOHOL HAND SANITISER GEL

|                     |   |
|---------------------|---|
| ADR/RID label       | 3 |
| IMDG class          | 3 |
| ICAO class/division | 3 |
| ADN class           | 3 |

### Transport labels



### 14.4. Packing group

|                       |     |
|-----------------------|-----|
| ADR/RID packing group | III |
| IMDG packing group    | III |
| ICAO packing group    | III |
| ADN packing group     | III |

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

|  |          |
|--|----------|
| EmS                                    | F-E, S-E |
| ADR transport category                 | 3        |
| Emergency Action Code                  | •3Y      |
| Hazard Identification Number (ADR/RID) | 30       |
| 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

|                             |   |
|-----------------------------|---|
| <b>National regulations</b> | <ul style="list-style-type: none"> <li>•CDG: Carriage of dangerous goods</li> <li>•CHIP: Chemicals (Hazard Information and Packaging for Supply)</li> <li>•CLP: Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation), adopting in the EU the Globally Harmonised System (GHS)</li> <li>•COSHH: Control of substances hazardous to health</li> <li>•DSEAR: The Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR)</li> <li>•REACH: Registration, Evaluation, Authorisation &amp; restriction of CHemicals (REACH)</li> </ul> |
|-----------------------------|---|

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

## ORCA HYGIENE 70% ALCOHOL HAND SANITISER GEL

|   |   |
|---|---|
| <b>Abbreviations and acronyms used in the safety data sheet</b> | <p>CAS Chemical Abstracts Service</p> <p>CDG Carriage of dangerous goods</p> <p>CHIP Chemicals (Hazard Information and Packaging for Supply)</p> <p>CLP Classification, Labelling and Packaging of Substances and Mixtures Regulation</p> <p>COSHH Control of substances hazardous to health</p> <p>DSEAR Dangerous Substances and Explosive Atmospheres Regulations 2002</p> <p>EC50 Effective Concentration 50%</p> <p>EW European Waste Code</p> <p>LC50 Lethal Concentration 50%</p> <p>LD50 lethal Dose 50%</p> <p>PBT Persistent, bioaccumulative and toxic substances</p> <p>REACH Registration, Evaluation, Authorisation &amp; restriction of Chemicals (REACH)</p> <p>TWA Time Weighted Average</p> <p>VOC Volatile Organic Compound</p> <p>VPvB Very high persistent, bioaccumulative and toxic substances</p> <p>WEL Workplace Exposure Limit</p> |
| <b>General information</b>                                      | Use biocides safely. Always read the label and product information before use. Only trained personnel should use this material.   |
| <b>Key literature references and sources for data</b>           | Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.  |
| <b>Revision date</b>  | 20/11/2020  |
| <b>Revision</b>   | 15  |
| <b>Supersedes date</b>  | 16/11/2020  |
| <b>SDS number</b>   | 23543   |
| <b>Hazard statements in full</b>                                | <p>H225 Highly flammable liquid and vapour.</p> <p>H226 Flammable liquid and vapour.</p>  |

### DIRECTIONS FOR USE

### PRODUCT LOGO

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. The manufacturer MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, many of which are solely within the user's knowledge and control, the user is responsible for determining whether the usage of this product is fit for a particular purpose and suitable for the user's method of use or application. It is essential that the user, not the manufacturer, evaluates this product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.