**SAFETY DATA SHEET:** **Ref No.:** DS011

**PRODUCT NAME/S: ALCOHOL HAND SANITISER**

|  |  |
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| **1** | **Identification of the Preparation and of the Company** |

* 1. **Identification of the Preparation**

Alcohol Hand Sanitiser PN601: PN602: PN604: ALL INGREDIENTS IN THIS FORMULATION HAVE BEEN REGISTERED (WHERE REQUIRED) FOR APPLICABLE USES.

* 1. **Company Identification**

Maclin Group (Division of Maclin Sourcing Solutions Ltd)

Unit A3 Risby Business Park, Newmarket Road, Risby, Suffolk, IP28 6RD, United Kingdom

**Tel:** +44 (0) 1284 810887

**Fax:** +44 (0) 1284 811908

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| **2** | **Hazards Identification** |

**2.1 Classification of the substance or mixture**

 **2.1.1**  Classification - 1999/45/ЕC F; R11 Symbols: F: Highly flammable.

 Main Hazards: Highly flammable: Symbols: F: Highly flammable.

* + 1. Classification – EC 1272/2008: Flam. Liq. 2: H225

**2.2 Label Element**

 GHS Symbols: 

 Min 10mm sides

 GHS Signal Word: Danger

 Response Statements Flam Liq. 2: H225 Highly flammable liquid and vapour

 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

 lenses, if present and easy to do. Continue rinsing.

 P337+P313 - If eye irritation persists: Get medical advice/attention.

 P370+P378 - In case of fire: Use suitable media to extinguish.

 Prevention Statements P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

 P233 - Keep container tightly closed.

 P403+P235 - Store in a well-ventilated place. Keep cool.

 Precautionary Disposal P501 - Dispose of contents/container to requirements of local authorities

**Alcohol Hand Sanitiser**

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| **3** | **Composition/Information on Ingredients** |

**3.1 Chemical Name/Mixtures**

67/548/EEC / 1999/45/EC

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Chemical Name | Index No. | CAS No. | EC No. | REACH reg no | Conc.Class No. M-factor. (%w/w) |
| Ethanol | 603-002-00-5 | 64-17-5 | 200-578-6 |  | 60 - 70% F; R11 |
| ALOE VERA |  |  |  |  | 0 - 0.5% |
| INERT BLEND OF |  |  |  |  | 0 - 0.5% |
| Unclassified MATERIALS |  |  |  |  |  |
| WATER |  |  |  |  | 20 - 30% |
| CARBOPOL |  |  |  |  | 0.5 - 1% |
| GLYCERINE (Glycerol, Mist) |  | 56-81-5 | 200-289-5 |  | 0 - 0.5% |
| Ethanolamine | 603-030-00-8 | 141-43-5 | 205-483-3 | 01-2119486455-28 | 0 - 0.5% Xn; R20/21/22 C; R34 |

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| --- | --- | --- | --- | --- | --- |
| Chemical Name | Index No. | CAS No. | EC No. | REACH reg no | Conc.Class No. M-factor. (%w/w) |
| Ethanol | 603-002-00-5 | 64-17-5 | 200-578-6 |  | 60 - 70% Flam. Liq. 2: H225; |
| ALOE VERA |  |  |  |  | 0 - 0.5% |
| INERT BLEND OF |  |  |  |  | 0 - 0.5% |
| Unclassified MATERIALS |  |  |  |  |  |
| WATER |  |  |  |  | 20 - 30% |
| CARBOPOL |  |  |  |  | 0.5 - 1% |
| GLYCERINE (Glycerol, Mist) |  | 56-81-5 | 200-289-5 |  | 0 - 0.5% |
| Ethanolamine | 603-030-00-8 | 141-43-5 | 205-483-3 | 01-2119486455-28 | 0 - 0.5% 0 - 0.5% Acute Tox. 4: H332; AcuteTox. 4: H312; Acute Tox. 4:H302; Skin Corr. 1B: H314; |

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| **4** | **First Aid Measures (Solution)** |

**4.1 Description of first aid measures**

Inhalation: Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

Eye contact: May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Ingestion: Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.

Skin Contact: No significant hazard

General: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Alcohol Hand Sanitiser**

**Alcohol Hand Sanitiser**

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| **5** | **Fire Fighting Measures** |

**5.1 Special Fire or Explosion Hazards**

 Highly flammable. Vapour may travel considerable distance to source of ignition and flash back.

**5.2 Suitable Extinguishing Media**

Carbon Dioxide (CO2) Alcohol resistant foam

**5.3 Other Recommendations**

 Firefighters: Wear suitable respiratory equipment when necessary.

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| **6** | **Accidental Release Measures** |

**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Eliminate all sources of ignition. Wear suitable protective equipment.

**6.2 Environmental Precautions**

 Do not allow product to enter drains. Prevent further spillage if safe.

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

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

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| **7** | **Handling & Storage** |

**7.1 Precautions for Safe Handling**

 Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof
 equipment. Keep away from sources of ignition. No smoking.

**7.2 Conditions for Safe Storage, including any incompatibilities**

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled
 containers.

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| **8** | **Exposure Controls / Personal Protection** |

**8.1 Control Parameters**

**Alcohol Hand Sanitiser**

**8.1.1 Exposure Limit Values**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ethanol** | WEL 8-hr limit ppm: | 1000 | WEL 8-hr limit mg/m3: | 1920 |
|  | WEL 15min limit ppm | - | WEL 15 min limit mg/m3: | - |
|  | WEL 8-hr limit mg/m3 total inhalable dust | - | WEL 15 min limit mg/m3 total inhalable dust: | - |
|  | WEL 8-hr limit mg/m3 total respirable dust: | - | WEL min limit mg/m3 total respirable dust: | - |
| **Ethanolamine** **(2 Aminoethanol)** | WEL 8-hr limit ppm: | 1 | WEL 8hr limit mg/m3: | 2.5 |
|  | WEL 15 min limit ppm: | 3 | WEL 15 min limit mg/m3: | 7.6 |
|  | WEL 8-hr limit mg/m3 total inhalable dust | - | WEL 15 min limit mg/m3 total inhalable dust: | - |
|  | WEL 8-hr limit mg/m3 total respirable dust: | - | WEL min limit mg/m3 total respirable dust: | - |
| **GLYCERINE (Glycerol, mist)** | WEL 8-hr limit ppm: | - | WEL 8hr limit mg/m3: | 10- |
|  | WEL 15 min limit ppm: | - | WEL 15 min limit mg/m3: | - |
|  | WEL 8-hr limit mg/m3 total inhalable dust | - | WEL 15 min limit mg/m3 total inhalable dust: | - |
|  | WEL 8-hr limit mg/m3 total respirable dust: | - | WEL min limit mg/m3 total respirable dust: | - |

**DNEL: Derived no-effect level.**

No data is available on this product.

**8.2 Exposure Controls**

**8.2.1 Appropriate engineering controls**

Ensure adequate ventilation of the working area

**8.2.2 Individual protection measures:** Not normally required

 **Eye / Face Protection:** Approved safety goggles

 **Skin protection – Hand Protection:** Chemical resistant gloves (PVC)

 **Respiratory protection:** Not normally required.

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| **9** | **Physical & Chemical Properties** |

**9.1 Information on basic physical and chemical properties**

 **Appearance:** Gel

 **Colour:** Clear

 **Odour:** Alcoholic

 **pH** 6 -7.5

 **Flash point:** <20°C

 **Relative density:**  0.88 – 0.9

 **Solubility:** Soluble in water

**Alcohol Hand Sanitiser**

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| **10** | **Stability & Reactivity** |

**10.2 Chemical Stability**

 Stable under normal conditions

**10.3 Possibility of hazardous reactions**

 Oxidising agents

**10.4 Conditions to avoid**

 Heat, sparks and open flames.

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| **11** | **Toxicological Information** |

**11.1 Information on toxicological effects**

 **Acute toxicity:** Inhalation may cause nausea and vomiting

 **Skin corrosion/irritation:** May cause irritation to eyes. May cause irritation to skin.

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| **12** | **Ecological Information** |

**12.2 Persistence and Degradability**

 Evaporates readily.

**12.3 Bioaccumulative potential**

 Does not bioaccumulate

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| **13** | **Disposal Information** |

 **General information**

Dispose of in compliance with all local and national regulations.

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| **14** | **Transport Information** |

 **Hazard pictograms** 

**14.1 UN Number**

NU1170

**14.2 UN Proper Shipping Name**

 Ethanol Solution

**Alcohol Hand Sanitiser**

**14.3 Transport Hazard Class(es)**

|  |  |
| --- | --- |
| ADR/RID | 3 |
| Subsidiary Risk | - |
| IDMG | 3 |
| Subsidiary Risk | - |
| IATA | 3 |
| Subsidiary Risk | - |

**14.4 Packing Group**

 Packing Group: III

**14.5 Environmental Hazards**

 Environmental Hazards: No

 Marine Pollutant: No

 **ADR/RID**

Hazard ID30

Tunnel Category(D/E)

 **IMDG**

EmS Code F-E-S-D

 **IATA**

Packing Instruction (Cargo) 366

 Maximum quantity: 220 L

 Packing Instruction 355

 (passenger):

 Maximum quantity: 60 L

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| **15**  | **Regulatory Information** |

**15.2 Chemical Safety Assessment**

 No chemical safety assessment has been carried out by the supplier.

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| **16** | **Other Information** |

 **Other Information**

 **Revision** This document differs from the previous version in the following areas:

1. REACH

2 2.1.2. Classification – EC 1272/2008

2 Signal Word

2 Precautionary Statement: Prevention

 2 Precautionary Statement: Response
2 Precautionary Statement: Storage

 2 Precautionary Statement: Disposal

 4 Skin Contact

1. 8.2.2. Individual protection measures

**Alcohol Hand Sanitiser**

1. DNEL: Derived no-effect leve
2. Acute Toxicity
3. 12.1. Toxicity

15 15.2. Chemical safety assessment

 **Text of Risk phrases in Section 3**

R11 – Highly flammable.

 R20/21/22 – Harmful by inhalation, in contact with skin and if swallowed.

 R34 – Causes burns.

 **Text of Hazard Statements in Section 3**

Flam. Liq. 2: H225 – Highly flammable liquid and vapour

 Acute Tox. 4: H302 – Harmful if swallowed.

 Acute Tox .4: H312 - Harmful in contact with skin

 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage

 Acute Tox. 4: H332 - Harmful if inhaled.

 STOT SE 3: H335 - May cause respiratory irritation.

 **Further Information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

END

**Revision** 7th August 2017