### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the substance or preparation

**Product name:** Hand Cleansing Gel

1.2. Use of substance/preparation

Personal care product.

1.3. Details of the supplier of the safety data sheet

PBH Medical Limited  
Unit 5 Sterte Road Industrial Estate,  
Pole, Dorset, BH15 2AF

T: +44 (0)1202 493680  
E: martin.dexter@poolebayholdings.co.uk

1.4. Emergency telephone

- National Poisons Information Service (UK) 0844 8920111 (Health Professionals only)
- National Health Service (UK) 111

### SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**

- **Physical hazards:** Flam. Liq. 2  
- **Health hazards:** Eye Irrit. 2  
- **Environmental hazards:** Not Classified

2.2. Label elements

**Pictogram**

![Flammable Pictogram](image)

**Signal word** Danger

**Hazard statements** H225 Highly flammable liquid and vapour.  
**Precautionary statements** P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
**Statements on the label of the cosmetic product**

- Store in a cool, dry place below 25°C.
- Flammable liquid and vapour.
- Keep out of reach of children.
- Keep away from heat/ sparks/ open flames/ hot surfaces.
- No smoking.
- Keep container tightly closed.
- IF SWALLOWED: Call a Poison Centre or Doctor if you feel unwell.
- IN EYES: Rinse cautiously with water for several minutes. Remove contact. lenses, if present and easy to do. Continue rinsing.

**2.3. Other hazards**

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

**3.1. Substance**

Not applicable.

**3.2. Composition**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>%</th>
<th>Classification 1999/45/EC</th>
<th>Classification (EC) No 1272/2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>200-578-6</td>
<td>70</td>
<td>F; R1. Xi; R41</td>
<td>H225, H319</td>
</tr>
</tbody>
</table>

See Section 16 for full text of the R Phrases and H statements declared above.

There is no additional ingredient present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### SECTION 4. FIRST AID MEASURES

**4.1. Description of first aid measures**

- **Eye contact**
  Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and take to hospital immediately.

- **Skin contact**
  Seek medical attention if irritation develops or persists. Wash with warm soapy water.

- **Ingestion**
  Rinse out mouth with water. DO NOT INDUCE VOMITING.

- **Inhalation**
  Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable of breathing. Get medical attention if any discomfort continues.

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

- **Inhalation**
  Exposure to high concentrations may cause dizziness, headache, dry/sore throat, coughing. Upper respiratory irritation.

- **Ingestion**
  Aspiration of the product into the lungs can cause fatal pneumonitis. May cause stomach pain or vomiting. Diarrhoea. May cause nausea, headache, dizziness and intoxication.

- **Skin contact**
  Skin irritation.
### SECTION 5. FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media**
- Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
- Water spray, fog or mist.

**Unsuitable extinguishing media**
- Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards during firefighting**
Product is highly flammable. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO2). Vapours may be ignited by a spark, a hot surface or an ember. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Solvent vapours may form explosive mixtures with air.

#### 5.3. Advice for firefighter

**Protective actions during firefighting**
Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Wear self-contained breathing apparatus.

**Special protective equipment**
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. 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.

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

#### 6.2. Environmental precautions

Do not discharge into drains or watercourses 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

Eliminate all sources of ignition. 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

For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from fire, sparks and heated surfaces. 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)

No specific uses identified.

SECTION 8. EXPOSURE CONTROL

8.1. Control parameters

**Occupational exposure limits**

**ETHANOL**

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

Short-term exposure limit (15-minute): WEL

**DNEL**

- Industry - Inhalation; Short term local effects: 1900 mg/m³
- Industry - Dermal; Long term systemic effects: 343 mg/kg/day
- Industry - Inhalation; Long term systemic effects: 950 mg/m³
- Consumer - Inhalation; Short term local effects: 950 mg/m³
- Consumer - Dermal; Long term systemic effects: 206 mg/kg/day
- Consumer - Inhalation; Long term systemic effects: 114 mg/m³
- Consumer - Oral; Long term systemic effects: 87 mg/kg/day

**PNEC**

- Fresh water; Long term 0.96 mg/l
- Marine water; Long term 0.79 mg/l
- Sediment; Long term 3.6 mg/kg
- Soil; Long term 0.63 mg/kg

8.2. Exposure controls

**Protective equipment:**
Eye/Face Protection  Recommended when manufacturing or when is a risk of the product getting in the eyes.

Skin Protection  Gloves recommended when manufacturing.

Personal Hygiene  Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hand and face with soap and water before eating, drinking or smoking.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>From transparent clear to blue</td>
</tr>
<tr>
<td>Physical state</td>
<td>Gel</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 – 7.5</td>
</tr>
<tr>
<td>Flash point</td>
<td>16°C (70% solution)</td>
</tr>
</tbody>
</table>

9.2. Other information

VOC  70%

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Alkali metals. Acetic anhydride.

10.6. Hazardous decomposition

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
The information in this section are based on ETHANOL.

**Toxicological information**

**Acute toxicity - oral**
- Acute toxicity oral (LD₅₀ mg/kg): 10,470.0
- Species: Rat
- Notes (oral LD₅₀): Low toxicity.

**Acute toxicity - dermal**
- Acute toxicity dermal (LD₅₀ mg/kg): 2,000.0
- Species: Rabbit
- Notes (dermal LD₅₀): Low toxicity.

**Acute toxicity – inhalation**
- Acute toxicity (LC₅₀ vapours mg/l): 124.7
- Species: Rat
- ATE inhalation (vapours mg/l): 124.7

**Skin corrosion/irritation**
- Animal data: Not irritating.

**Serious eye damage/irritation**
- Irritating.

**Skin sensitisation**
- Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

**Germ cell mutagenicity**
- Genotoxicity - in vitro: Negative.

**Carcinogenicity**
- There is no evidence that the product can cause cancer.

**Reproductive toxicity**
- This substance has no evidence of toxicity to reproduction.

**Specific target organ toxicity - repeated exposure STOT**
- NOAEL 1730 mg/kg, Oral, Rat

**General information**
- Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation**
- Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Coughing. Prolonged inhalation of high concentrations may damage respiratory system. Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**Ingestion**
- Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Irritating. Symptoms following overexposure may include the following: Dizziness. Nausea, vomiting. Swallowed concentrated chemical may cause severe internal injury. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

**Skin contact**
- Product has a defatting effect on skin. May cause allergic contact eczema. May
cause sensitisation or allergic reactions in sensitive individuals.

**Eye contact**

Severe irritation, burning and tearing. Risk of serious damage to eyes. A single exposure may cause the following adverse effects: Corneal damage.

### SECTION 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity

The information in this section are based on ETHANOL.

**Acute toxicity - fish**

<table>
<thead>
<tr>
<th>LC50, 96 hours: 15300 mg/l,</th>
<th>Pimephales promelas (Fat-head Minnow),: 11200 mg/l, Onchorhynchus mykiss (Rainbow trout) 24 h</th>
</tr>
</thead>
</table>

**Acute toxicity – aquatic invertebrates**

<table>
<thead>
<tr>
<th>EC50, 48 hours: &gt; 10000 mg/l,</th>
<th>Daphnia magna, : 858 mg/l,</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 h</td>
<td>Artemia salina.</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

The product is expected to be biodegradable.

#### 12.3. Bio accumulative potential

No data available on bioaccumulation.

#### 12.4. Mobility in soil

The product is soluble in water.

#### 12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

None known.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

**General information**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods**

Reuse or recycle products wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14. TRANSPORT INFORMATION

#### 14.1. UN number

**UN No. (ADR/RID)** 1170
UN No. (IMDG) 1170
UN No. (ICAO) 1170
UN No. (ADN) 1170

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper shipping name (IMDG) ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper shipping name (ICAO) ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper shipping name (ADN) ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

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
ADN packing group II
ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No

14.6. Special precautions for user

EmS F-E, S-D
Emergency Action Code •2YE
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

15. REGULATORY INFORMATION

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


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

General information The product has been classified as a cosmetic. Always read the label and product information before use.

Key literature references and sources for data Approved Supply List Dangerous Substances Directive Dangerous Preparations Directive

Revision comments SDS created in line with REGULATION (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended).

Revision date N/A
Revision V1
Supersedes date 12/11/2020

Risk phrases in full

R11 Highly flammable
R41 Risk of serious damage to eyes.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
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