

**SAFETY DATA SHEET**  
**Hand Cleanser Gel**

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Product name** Hand Cleanser Gel

**Product number** BHS002

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

**Identified uses** Cleaning agent.

**1.3. Details of the supplier of the safety data sheet**

**Supplier** Innova Solutions Limited  
Lower Draught Gates Farm  
Burnley Road  
Trawden  
Lancashire  
BB8 8PW

01282867390  
info@innovasolutions.co.uk

**1.4. Emergency telephone number**

**Emergency telephone** 01282867390

**National emergency telephone number** National Poisons Information Service

For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)

If you are a healthcare professional with an enquiry please visit [www.TOXBASE.org](http://www.TOXBASE.org)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

**Physical hazards** Flam. Liq. 2 - H225

**Health hazards** Not Classified

**Environmental hazards** Not Classified

**2.2. Label elements****Hazard pictograms**

## Hand Cleanser Gel

<b>Signal word</b>	Danger
<b>Hazard statements</b>	H225 Highly flammable liquid and vapour.
<b>Precautionary statements</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. 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. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplementary precautionary statements</b>	P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges.

### 2.3. Other hazards

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

##### 3.2. Mixtures

<b>ethanol</b>			<b>&gt;50-≤75%</b>
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX	
<b>Classification</b>	Flam. Liq. 2 - H225		
<b>Glycerol</b>			<b>≤1.0%</b>
CAS number: 56-81-5	EC number: 200-289-5		
<b>Classification</b>	Not Classified		
<b>2-phenoxyethanol</b>			<b>≤1.0%</b>
CAS number: 122-99-6	EC number: 204-589-7	REACH registration number: 01-2119488943-21-XXXX	
<b>Classification</b>	Acute Tox. 4 - H302 Eye Irrit. 2 - H319		

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<b>Benzalkonium Chloride</b>	<b>≤0.1%</b>
CAS number: 63449-41-2	EC number: 264-151-6
M factor (Acute) = 10	
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause discomfort if swallowed. Nausea, vomiting.
<b>Skin contact</b>	No specific symptoms known.
<b>Eye contact</b>	May cause irritation. Pain. Redness.

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

<b>Notes for the doctor</b>	No specific recommendations.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is flammable. Extinguish with the following media: Water spray, fog or mist. Foam. Carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Highly flammable liquid and vapour. May form explosive mixture with air at very high concentration.
<b>Hazardous combustion products</b>	Oxides of carbon.

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### 5.3. Advice for firefighters

#### **Protective actions during firefighting**

Fight fire from safe distance or protected location. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

#### **Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## 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. Do not breathe gas, fume, vapours or spray. Do not breathe mist. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

### 6.2. Environmental precautions

#### **Environmental precautions**

Avoid 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

#### **Methods for cleaning up**

Wear protective clothing as described in Section 8 of this safety data sheet. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Prevent entry to sewers and public waters.

### 6.4. Reference to other sections

#### **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

#### **Usage precautions**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid breathing vapours. Avoid breathing mist. Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented.

#### **Advice on general occupational hygiene**

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage precautions**

Store away from incompatible materials (see Section 10). Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures between 10°C and 30°C. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.

#### **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.

## Hand Cleanser Gel

### 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/m<sup>3</sup>

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

##### Glycerol

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> mist

WEL = Workplace Exposure Limit

##### ethanol (CAS: 64-17-5)

<b>DNEL</b>	<p>Industry - Inhalation; Short term local effects: 1900 mg/m<sup>3</sup></p> <p>Industry - Inhalation; Long term systemic effects: 950 mg/m<sup>3</sup></p> <p>Industry - Dermal; Long term systemic effects: 343 mg/kg/day</p> <p>Consumer - Inhalation; Short term local effects: 950 mg/m<sup>3</sup></p> <p>Consumer - Inhalation; Long term systemic effects: 114 mg/m<sup>3</sup></p> <p>Consumer - Dermal; Long term systemic effects: 206 mg/kg/day</p> <p>Consumer - Oral; Long term systemic effects: 87 mg/kg/day</p>
<b>PNEC</b>	<p>- Fresh water; 960 µg/l</p> <p>- marine water; 790 µg/l</p> <p>- STP; 580 mg/l</p> <p>- Sediment (Freshwater); 3.6 mg/kg</p> <p>- Sediment (Marinewater); 2.9 mg/kg</p> <p>- Soil; 0.63 mg/kg</p>

##### Glycerol (CAS: 56-81-5)

<b>DNEL</b>	<p>Workers - Inhalation; Long term local effects: 56 mg/m<sup>3</sup></p> <p>General population - Inhalation; Long term local effects: 33 mg/m<sup>3</sup></p> <p>General population - Oral; Long term systemic effects: 229 mg/kg</p>
<b>PNEC</b>	<p>- Fresh water; 0.885 mg/l</p> <p>- marine water; 0.0885 mg/l</p> <p>- Intermittent release; 8.85 mg/l</p> <p>- Sediment (Freshwater); 3.3 mg/kg</p> <p>- Sediment (Marinewater); 0.33 mg/kg</p> <p>- Soil; 0.141 mg/kg</p> <p>- STP; 1000 mg/l</p>

##### 2-phenoxyethanol (CAS: 122-99-6)

<b>DNEL</b>	<p>Workers - Inhalation; Long term local effects, systemic effects: 8.07 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 34.72 mg/kg</p> <p>Consumer - Inhalation; Long term, Short term local effects: 2.5 mg/m<sup>3</sup></p> <p>Consumer - Dermal; Long term systemic effects: 20.83 mg/kg</p> <p>Consumer - Oral; Long term, Short term systemic effects: 17.43 mg/kg</p>
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## Hand Cleanser Gel

### PNEC

- Fresh water; 0.943 mg/l
- marine water; 0.0943 mg/l
- Intermittent release; 3.44 mg/l
- Sediment (Freshwater); 7.2366 mg/kg
- Sediment (Marinewater); 0.7237 mg/kg
- Soil; 1.26 mg/kg
- STP; 24.8 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

#### Respiratory protection

Provide adequate ventilation.

#### Environmental exposure controls

Keep container tightly sealed when not in use.

### SECTION 9: Physical and chemical properties

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

Appearance	Viscous liquid.
Colour	Colourless.
Odour	Alcoholic.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Bulk density	Not determined.

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<b>Solubility(ies)</b>	Not determined.
<b>Partition coefficient</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	No data available.
<b>Oxidising properties</b>	No data available.

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

<b>Reactivity</b>	No data available.
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##### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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##### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, no hazardous reactions will occur.
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##### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
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##### 10.5. Incompatible materials

<b>Materials to avoid</b>	No data available.
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##### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Oxides of carbon.
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#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

###### Acute toxicity - oral

<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	10,470.0
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<b>Species</b>	Rat
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<b>ATE oral (mg/kg)</b>	10,470.0
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###### Skin corrosion/irritation

<b>Skin corrosion/irritation</b>	Not determined.
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###### Serious eye damage/irritation

<b>Serious eye damage/irritation</b>	Not determined.
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###### Respiratory sensitisation

<b>Respiratory sensitisation</b>	Not determined.
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###### Skin sensitisation

<b>Skin sensitisation</b>	Not determined.
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###### Germ cell mutagenicity

## Hand Cleanser Gel

**Genotoxicity - in vitro** No data available.

### Carcinogenicity

**Summary** No data available.

### Reproductive toxicity

**Summary** No data available.

### Specific target organ toxicity - single exposure

**STOT - single exposure** No data available.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No data available.

### Aspiration hazard

**Aspiration hazard** No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Toxicity** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

### 12.3. Bioaccumulative potential

**Partition coefficient** Not determined.

### 12.4. Mobility in soil

**Mobility** No data available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No data available.

### 12.6. Other adverse effects

**Other adverse effects** No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** This material and its container must be disposed of as hazardous waste. Dispose of waste product or used containers in accordance with local regulations Reuse or recycle products wherever possible. Do not empty into drains.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 1993



## Hand Cleanser Gel

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. (Contains Ethanol)
Proper shipping name (IMDG)	FLAMMABLE LIQUID, N.O.S. (Contains Ethanol)
Proper shipping name (ICAO)	FLAMMABLE LIQUID, N.O.S. (Contains Ethanol)
Proper shipping name (ADN)	FLAMMABLE LIQUID, N.O.S. (Contains 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	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

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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

<b>National regulations</b>	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
<b>EU legislation</b>	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 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). 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). Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances.
<b>Seveso Directive - Control of major accident hazards</b>	P5c Lower-tier 5000 tonnes Upper-tier 50000 tonnes.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC <sub>50</sub> : Lethal Concentration to 50 % of a test population. LD <sub>50</sub> : Lethal Dose to 50% of a test population (Median Lethal Dose). EC <sub>50</sub> : 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
<b>Classification abbreviations and acronyms</b>	Flam. Liq. = Flammable liquid Eye Irrit. = Eye irritation STOT SE = Specific target organ toxicity-single exposure

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<b>Classification procedures according to Regulation (EC) 1272/2008</b>	STOT SE 3 - H336: Eye Irrit. 2 - H319: : Calculation method. Flam. Liq. 2 - H225: : Expert judgement.
<b>Training advice</b>	Only trained personnel should use this material.
<b>Revision date</b>	22/04/2020
<b>Revision</b>	1
<b>SDS number</b>	7444
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.