# Safe Hands® Hand Sanitizer Gel

## Safety Data Sheet


MS Code : MSTR257 Revision : 1 Rev Date : 11/02/2018 Supersedes : 03/13/2018

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

<table>
<thead>
<tr>
<th>1.1. Product identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product form : Liquid, mixture</td>
</tr>
<tr>
<td>Product name : Safe Hands Hand Sanitizer Gel</td>
</tr>
<tr>
<td>Product group : Trade product</td>
</tr>
<tr>
<td>Product code : LB-4000/A/4</td>
</tr>
<tr>
<td>Part number : EU-BR40CIC</td>
</tr>
<tr>
<td>BAuA Registration No. : N-75751</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.2. Relevant identified uses of the substance or mixture and uses advised against</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1.2.1. Relevant identified uses</strong></td>
</tr>
<tr>
<td>Use of the substance/preparation : Product for use as a hand biocide</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.3. Details of the supplier of the safety data sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Home Office:</strong></td>
</tr>
<tr>
<td>Celeste Industries Corporation</td>
</tr>
<tr>
<td>400 Thames Valley Park Drive</td>
</tr>
<tr>
<td>Thames Valley Park</td>
</tr>
<tr>
<td>Reading</td>
</tr>
<tr>
<td>Berkshire, RG6 1PT, England</td>
</tr>
<tr>
<td>Tel +44 (0) 1189 637930</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.4. Emergency telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency contact number : For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours) within USA and CANADA: 1-800-424-9300</td>
</tr>
<tr>
<td>Outside USA and Canada (collect call accepted): 1-703-527-3883</td>
</tr>
</tbody>
</table>

### SECTION 2: Hazards identification

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

Classification according to CLP Regulation (EC) No 1272/2008

- Not classified as hazardous

**Adverse physicochemical, human health and environmental effects**

- Not classified as dangerous for use/supply

#### 2.2. Label elements

Classification according to CLP Regulation (EC) No 1272/2008

- Pictograms: None
- Signal Word: None
- Hazard Statement: None
- Precautionary Statements: None

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

This mixture is a solution containing Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides. The substances classified according to Regulation (EC) 1272/2008 present in this mixture are reported in the following table
Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP]
--- | --- | --- | ---
2,2’-(ethylenedioxy)diethanol | (CAS No.) 112-27-6 (EC No) 203-953-2 | 1 % | Not classified
Glycerol, ethoxylated | (CAS No.) 31894-55-0 (EC No) 500-075-4 | 1 % | Not classified
Cellulose, 2-hydroxyethyl ether | (CAS No.) 9004-62-0 (EC No) 618-387-5 | 0.75 % | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides | (CAS No.) 68391-01-5 (EC No) 269-919-4 | 0.10 % | Acute Tox. 4, H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400

The remaining components are either not hazardous or below the reporting threshold.

**SECTION 4: First aid measures**

4.1. Description of first aid measures

First-aid measures after inhalation: If respiratory irritation occurs upon inhalation, remove to fresh air. Seek medical attention if symptoms develop or persist.

First-aid measures after skin contact: Generally not required; rinse with plenty of water if needed.

First-aid measures after eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes.

First-aid measures after ingestion: Seek medical attention immediately. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Do not induce vomiting.

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

Symptoms/injuries after inhalation: Inhalation of mist or aerosol may cause irritation to nose and throat

Symptoms/injuries after skin contact: Repeated or prolonged direct skin contact may cause irritation or drying of skin.

Symptoms/injuries after eye contact: May cause irritation to the eyes.

Symptoms/injuries after ingestion: May cause irritation to the respiratory tract and to other mucous membranes.

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

Treat symptomatically.

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Non combustible

Reactivity: Stable under normal conditions of use.

5.3. Advice for firefighters

Protective equipment for firefighters: Wear proper protective equipment including self-contained breathing apparatus.

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Ensure adequate ventilation. Avoid contact with eyes.

6.1.1. For non-emergency personnel

Protective equipment: Chemical resistant gloves as needed. Use splash goggles to prevent eye contact as needed.

6.1.2. For emergency responders

Protective equipment: Chemical resistant gloves. Use splash goggles when eye contact due to splashing is possible.

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, dike with dirt, then remove by vacuum truck for disposal.
6.4. Reference to other sections
Refer to sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling : Avoid contact with eyes.
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: : Provide adequate ventilation.
Storage condition(s) : Store in dry, cool, well-ventilated area; avoid freezing.

7.3. Specific end use(s)
This product is for use as a hand biocide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No data available

8.2. Exposure controls
Appropriate engineering controls : Ventilation: In processes where mists or vapors may be generated, proper ventilation must be provided with good ventilation practices.
Personal protective equipment : Normally not required when used as intended.
Hand protection : Product is designed for use on hands.
Eye protection : Normally not required if used as intended.
Skin and body protection : Normally not required if used as intended.
Respiratory protection : Normally not required if used as intended.
Environmental Exposure Controls : Use the product in accordance with label instructions. Avoid unnecessary release into drains and waterways.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state : Mixture
Appearance : Liquid, dispenses as a foam
Colour : Transparent
Odour : No data available
Odour threshold : No data available
pH : 5.5 – 7.5
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : 32 F
Boiling point : No data available
Flash point : None
Self ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : 0.95 - 1.05
Solubility : Soluble in water
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : Not explosive
Oxidising properties : Not oxidizing
Explosive limits : No data available

9.2. Other information
No data available
SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions of use.

10.2. Chemical stability
Stable under normal conditions of use.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity
No significant harmful effects anticipated.

12.2. Persistence and degradability
Benzalkonium chloride is readily biodegradable.

12.3. Bioaccumulative potential
Benzalkonium chloride is not considered to be bioaccumulative.

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
A chemical safety report has not been carried out.

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Regional legislation (waste) : Dispose of contents/container to comply with applicable local, national and international regulations.
Waste disposal recommendations : Comply with local regulations for disposal.

SECTION 14: Transport information

Not classified as dangerous for transport.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
This safety data sheet has been compiled according to the requirements of Regulation (EC) No 1907/2006.

Benzalkonium chloride is an active substance currently being reviewed in accordance with Regulation (EU) No 528/2012 concerning the placing of biocidal products on the market.

15.1.2. National regulations
German BAuA Registration Number: N-75751
15.2. Chemical safety assessment
CSA has not been established

SECTION 16: Other information

Sources of Key data: SDS, ECHA.

Full text of R-, H- and EUH-phrases:

<table>
<thead>
<tr>
<th>R-Code</th>
<th>EUH-Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irrit. 2</td>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>Acute Tox. 4</td>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>H314</td>
<td>Skin corrosive category 1B</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
</tbody>
</table>

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