

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

#### 1.1. Product identifier

Product form : Liquid, mixture  
Product name. : Safe Hands Hand Sanitizer Gel  
Product group : Trade product  
Product code : LB-4000/A/4  
Part number : EU-BR40CIC  
BAuA Registration No. : N-75751

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

##### 1.2.1. Relevant identified uses

Use of the substance/preparation : Product for use as a hand biocide

##### 1.2.2. Uses advised against

No data available

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

Celeste Industries Corporation  
400 Thames Valley Park Drive  
Thames Valley Park  
Reading  
Berkshire, RG6 1PT, England  
Tel +44 (0) 1189 637930

##### Home Office:

Celeste Industries Corporation  
8221 Teal Drive, Suite 405  
Easton, Maryland 21601 (USA)  
Within USA: (410) 822-5775  
International: 00 (1) 410-822-5775  
e-mail: info@celestecorp.com

#### 1.4. Emergency telephone number

Emergency contact number : For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours) within USA and CANADA: 1-800-424-9300  
Outside USA and Canada (collect call accepted): 1-703-527-3883

### 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

# Safety Data Sheet

according to Regulation (EC) No. 453/2010

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.) 31694-55-0 (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.
-------------------------	---

# Safety Data Sheet

according to Regulation (EC) No. 453/2010

## 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

# Safety Data Sheet

according to Regulation (EC) No. 453/2010

## 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

Acute toxicity	: Not classified
Serious eye damage/irritatio	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Aspiration hazard	: Not classified

## 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

# Safety Data Sheet

according to Regulation (EC) No. 453/2010

## 15.2. Chemical safety assessment

CSA has not been established

## SECTION 16: Other information

Sources of Key data : SDS, ECHA.  
Abbreviations and acronyms : ACGIH (American Conference of Government Industrial Hygienists). ASTM - American Society for Testing and Materials . CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. EC - European Community. GHS - Globally Harmonised System. HMIS - Hazardous Materials Identification System. MSDS - Material Safety Data Sheet. OSHA - Occupational Safety and Health Administration. Overland transport (ADR). PEL- Permissible Exposure Level. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. Relat - Relative. SDS - Safety Data Sheet . STEL- Short-Term Exposure Limit . TLV- Threshold Limit Value. TWA- Time Weighted Average.

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

Skin Irrit. 2	Skin irritation category 2
H315	Causes skin irritation.
Eye Irrit. 2	Eye irritation category 2
H319	Causes serious eye irritation.
STOT SE 3	Specific target organ toxicity (single exposure) category 3
H335	May cause respiratory irritation.
Acute Tox. 4	Acute toxicity category 4
H302	Harmful if swallowed.
Skin Corr. 1B	Skin corrosive category 1B
H314	Causes severe skin burns and eye damage.
Aquatic Acute 1	Acute aquatic toxicity category 1
H400	Very toxic to aquatic life.

*This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Celeste Industries Corporation assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.*