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

1.1. Product identifier
Product form : Mixture, mixture
Product name : Liquid Scrub Galley Drain Cleaner
Product group : Trade product
Product code : LB-5000/C
Part number : LS-5000 series

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 : Cleaning/washing agent

1.2.2. Uses advised against
No data available

1.3. Details of the supplier of the safety data sheet
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 mixture
Classification according to CLP Regulation (EC) No 1272/2008
Skin Irrit.2, H315
Eye Irrit. 2, H319

Full text of H-phrases: see section 16.

Adverse physicochemical, human health and environmental effects
No additional information available.

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictogram :

Signal Word : Warning

Hazard Statement : H319 – Causes serious eye irritation
H315 – Causes skin irritation

P302 + P350 – IF ON SKIN: Gently wash with plenty of soap and water
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
2.3. Other hazards
This substance/mixture does not meet the PBT criteria of REACH, annex XIII. This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Product identifier</th>
<th>Classification according to CLP Regulation (EC) No 1272/2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>&lt; 2</td>
<td>(CAS No.) 7722-84-1</td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(EC no) 231-765-0</td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(EC index no) 008-003-00-9</td>
<td></td>
</tr>
<tr>
<td>Sodium dodecyl diphenyl ether sulfonate</td>
<td>&lt; 2</td>
<td>(CAS No.) 119345-04-9</td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(EC no) 601-601-6</td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td>1-octyl-2-pyrrolidone</td>
<td>&lt; 1</td>
<td>(CAS No.) 2687-94-7</td>
<td>Skin Corr. 1B, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(EC no) 403-790-8</td>
<td>Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(EC index no) 613-098-00-0</td>
<td></td>
</tr>
</tbody>
</table>

Full text of phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: Remove victim to fresh air. In case of breathing difficulties administer oxygen. If breathing stops, give artificial respiration. Seek immediate medical attention if individual is severely overcome by overexposure to vapors. (Overexposure is most likely to occur dealing with large quantities in an enclosed space with inadequate ventilation).

First-aid measures after skin contact: When symptoms occur: rinse immediately with plenty of water.

First-aid measures after eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: If swallowed, do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Seek immediate medical advice.

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

Symptoms/injuries after skin contact: Intended for hand use without causing irritation but if contacts other skin areas that may become irritated.

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: Dry chemical powder, water spray, alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard: None known

Reactivity: None known

5.3. Advice for firefighters

Protective equipment for firefighters: Extra personal protection: complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Wear suitable protective clothing gloves, and eye/face protection.

Emergency procedures: Eliminate all ignition sources if safe to do so. Ventilate affected area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment: Wear suitable protective clothing, gloves and eye/face protection.

Emergency procedures: Eliminate ignition sources. Ventilate affected area. Avoid contact with skin and eyes.

6.2. Environmental precautions

No additional information available
### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Sweep or shovel spills into appropriate container for disposal. Rinse using water. Dispose in a safe manner in accordance with local/national regulations.

### 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 all eye and skin contact and do not breathe vapour and mist. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

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

Storage condition(s): Store in dry, cool, well-ventilated area. Keep container closed when not in use.

### 7.3. Specific end use(s)

No additional information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available.

#### 8.2. Exposure controls

Appropriate engineering controls: Use explosion-proof ventilating equipment. Provide local exhaust or general room ventilation to minimize vapour concentrations.

Personal protective equipment: Protective goggles. Gloves.

Hand protection: Chemical resistant gloves

Eye protection: Wear chemical splash goggle.

Skin and body protection: Use plastic or rubber apron to protect clothing, if needed.

### SECTION 9: Physical and chemical properties

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

- **Physical state**: Liquid
- **Colour**: Clear
- **Odour**: No data available
- **Odour threshold**: No data available
- **pH**: 8.0 – 8.5
- **Melting point**: No data available
- **Solidification point**: No data available
- **Boiling point**: No data available
- **Flash point**: > 93.3 °C
- **Relative evaporation rate (butylacetate=1)**: Not applicable.
- **Flammability (solid, gas)**: No data available
- **Explosive limits**: No data available
- **Vapour pressure**: No data available
- **Relative vapour density at 20 °C**: No data available
- **Relative density**: No data available
- **Density**: 1.027 g/mL
- **Solubility**: Soluble in water
- **Log Pow**: No data available
- **Log Kow**: No data available
- **Self ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Viscosity, kinematic**: No data available
Viscosity, dynamic: No data available
Explosive properties: Not considered explosive as the component hydrogen peroxide is present at concentration < 5%
Oxidising properties: Not considered oxidizing as the component hydrogen peroxide present at concentration < 5%.

### 9.2. Other information
VOC content: 0 %

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity
No additional information available

#### 10.2. Chemical stability
Stable.

#### 10.3. Possibility of hazardous reactions
No additional information available

#### 10.4. Conditions to avoid
No additional information available

#### 10.5. Incompatible materials
None known.

#### 10.6. Hazardous decomposition products
No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects
Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Sodium dodecyl diphenyl ether sulfonate (119345-04-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydrogen peroxide (7722-84-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE (oral)</td>
</tr>
<tr>
<td>ATE (dust,mist)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes skin irritation  
  pH: 8.0 - 9.0

Serious eye damage/irritation: Causes eye irritation  
  pH: 8.0 – 9.0

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified (No classification for mutagenicity as none of the components is classified for mutagenicity)

Carcinogenicity: Not classified (No classification for carcinogenicity as none of the components is classified for carcinogenicity)

Reproductive toxicity: Not classified (No classification for reproduction as none of the components is toxic for reproduction)

Specific target organ toxicity (single exposure): Not classified (None of the components shows specific effects in acute toxicity studies requiring classification for Specific Target Organ Systemic Toxicity single exposure)

Specific target organ toxicity (repeated exposure): Not classified (None of the components shows specific effects in acute toxicity studies requiring classification for Specific Target Organ Systemic Toxicity repeated exposure)

Aspiration hazard: Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

<table>
<thead>
<tr>
<th>Sodium dodecyl diphenyl ether sulfonate (119345-04-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia</td>
</tr>
<tr>
<td>LC50 Rainbow Trout</td>
</tr>
<tr>
<td>NOEC (chronic)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydrogen peroxide (7722-84-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes</td>
</tr>
<tr>
<td>EC50 Daphnia</td>
</tr>
</tbody>
</table>
Safety Data Sheet

Hydrogen peroxide (7722-84-1)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOEC (chronic)</td>
<td>1.25 mg/l 21 days - daphnia</td>
</tr>
<tr>
<td>NOEC (chronic)</td>
<td>0.63 mg/l 21 days - daphnia</td>
</tr>
<tr>
<td>ErC50 (algae)</td>
<td>1.38 mg/l 72 hours</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment

**Liquid Scrub**
This substance/mixture does not meet the PBT criteria of REACH, annex XIII.
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

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 applicable local, national and international regulation.

SECTION 14: Transport information
Not a dangerous good in sense of transport regulations.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
Contains no REACH candidate substance
VOC content: 0 %

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
CSA has not been established

SECTION 16: Other information

Sources of Key data: SDS, ECHA

<table>
<thead>
<tr>
<th>Aquatic Chronic 2</th>
<th>Hazardous to the aquatic environment - Chronic Hazard Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin irritation, Category 2</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>Skin corrosion/irritation Category 1B</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>