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

1.1. Product identifier
Product form : Liquid, mixture
Product name. : Sani-Cide 32 EU
Product group : Trade product
Product code : LB-SCIDE32EU
Part number : LS-CIDE/EU series
EPA Registration : n/a (not for sale in U.S.A.)

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 : Ready-to-use disinfectant solution

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 substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Eye Irrit. 2 H319
Skin Irrit. 2 H315

Full text of H-phrases: see section 16

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

2.2. Label elements
Symbol and Nature of Warning / Danger : ⚠️

Signal word : Warning

Hazard statements : H319 - Causes serious eye irritation.
H315 – Causes skin irritation.

Precautionary statements : P262 – Do not get in eyes, on skin, or clothing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
2.3. Other hazards
Product may cause skin irritation through prolonged and direct contact.

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C9-11, ethoxylated</td>
<td>(CAS No.) 68439-46-3 (EC No.) 614-482-0</td>
<td>&lt;1%</td>
<td>Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Akyl dimethyl benzyl ammonium chloride (C12-16)</td>
<td>(CAS No.) 68424-85-1 (EC No.) 270-325-2</td>
<td>0.034%</td>
<td>Acute Tox. 3, H301, H311 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400</td>
</tr>
<tr>
<td>Octyl decyl dimethyl ammonium chloride</td>
<td>(CAS No.) 32426-11-2 (EC No.) 251-035-5</td>
<td>0.025%</td>
<td>Acute Tox. 4, H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400</td>
</tr>
<tr>
<td>Dioctyl dimethyl ammonium chloride</td>
<td>(CAS No.) 5538-94-3 (EC No.) 226-901-2</td>
<td>0.013%</td>
<td>Acute Tox. 4, H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400</td>
</tr>
<tr>
<td>Didecyl dimethyl ammonium chloride</td>
<td>(CAS No.) 7173-51-5 (EC No.)</td>
<td>0.013%</td>
<td>Acute Tox. 4, H302 Skin Corr. 1B, H314</td>
</tr>
</tbody>
</table>

Full text of R-, H- and EUH-phrases: see section 16.

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: If splashed or spilled on skin, rinse with plenty of water.
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 skin contact: Skin areas may become irritated after prolonged direct contact.
Symptoms/injuries after eye contact: May cause irritation or damage to the eyes.
Symptoms/injuries after inhalation: May cause chronic nasal passage, throat, or lung irritation if breathed over a prolonged period of time in the form of a mist.
Symptoms/injuries after ingestion: Ingestion may cause immediate pain and severe burns of the 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: Water.
Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture
Fire hazard: None known.
Reactivity: Stable under normal conditions.

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: Chemical resistant gloves. Use splash goggles when eye contact due to splashing is possible.
Emergency procedures: Avoid contact with skin and eyes.

6.1.2. For emergency responders
Protective equipment: Chemical resistant gloves. Use splash goggles when eye contact due to splashing is possible.
Emergency procedures: Avoid contact with skin and eyes. Do not allow uncontrolled leakage of product into the environment.
6.2. Environmental precautions
Avoid release to the environment. Prevent entry to sewers and public waters.

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 skin and 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.

7.3. Specific end use(s)
No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

8.2. Exposure controls
Appropriate engineering controls: Provide local exhaust or general room ventilation to minimize vapour concentrations.
Personal protective equipment: For general use, none normally required. To minimize contact, protective glasses and/or gloves.

Hand protection: In case of repeated or prolonged contact wear gloves.
Eye protection: Use splash goggles when eye contact due to splashing is possible.
Skin and body protection: None generally required. Use plastic or rubber apron to protect clothing, if needed.
Respiratory protection: None generally required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Thin, clear</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>odour</td>
<td>Amine-like</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>4 - 5</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>0</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Solidification point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 98.8 °C</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.01</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>&lt; 100 cps</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>---------------------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not oxidizing</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**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**

Strong oxidizing agents, strong reducing agents

**10.6. Hazardous decomposition products**

None known.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>Alcohol, C9-11, ethoxylated (68439-46-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
</tr>
<tr>
<td>pH: 4 - 5</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
</tr>
<tr>
<td>Alcohol, C9-11, ethoxylated is present at concentration &gt; 1%, therefore the mixture is to be classified as eye irritant category 2</td>
</tr>
<tr>
<td>pH: 4 - 5</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
</tr>
<tr>
<td>Carcinogenicity</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
</tr>
<tr>
<td>Aspiration hazard</td>
</tr>
</tbody>
</table>

**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecology - general : Not classified.

**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**

No additional information available
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 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

15.1.2. National regulations
No data available

15.2. Chemical safety assessment
CSA has not been established

SECTION 16: Other information

Sources of Key data : SDS, MSDS

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

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Dermal)</th>
<th>Acute toxicity (dermal) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>Skin corrosivity, Category 1</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</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>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P302 + P350</td>
<td>IF ON SKIN: Gently wash with plenty of soap and water</td>
</tr>
<tr>
<td>P305 + P351 + P338</td>
<td>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.</td>
</tr>
</tbody>
</table>

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.