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

1.1. Product identifier
Product form: Mixture, concentrated liquid
Product name: Glyco-San NG Disinfectant Cleaner
Product group: Trade product
Product code: LB-GLYCOSAN/4
Part number: SW-GSNG series
EPA Registration: 42048-2

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: Industrial cleaner & disinfectant for potable water tanks in aircraft.

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 data available

2.2. Label elements
Classification according to CLP Regulation (EC) No 1272/2008
Hazard Pictogram:

Signal Word: Warning
Hazard Statement: H315 – Causes skin irritation
H319 – Causes serious eye 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
No additional information available
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>l-(+)-lactic acid</td>
<td>(CAS No.) 79-33-4</td>
<td>12%</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td>(EC no) 201-196-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dodecylbenzenesulphonic acid</td>
<td>(CAS No.) 27176-87-0</td>
<td>&lt; 2%</td>
<td>Acute Tox. 4, H302, Skin Corr. 1B, H314</td>
</tr>
<tr>
<td></td>
<td>(EC no) 248-289-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium octane-1-sulphonate monohydrate</td>
<td>CAS No.) 5324-84-5</td>
<td>&lt; 1%</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H319</td>
</tr>
<tr>
<td></td>
<td>(EC no) 226-195-4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For a full text of 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.

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

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: 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. Extra personal protection: complete protective clothing.

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. Do not allow the product to be released into the environment.

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.
## 7. Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

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

<table>
<thead>
<tr>
<th>Technical measures:</th>
<th>Provide adequate ventilation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage condition(s)</td>
<td>Store in dry, cool, well-ventilated area.</td>
</tr>
</tbody>
</table>

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

- **Appropriate engineering controls**: Ensure adequate ventilation.
- **Personal protective equipment**: Chemical resistant gloves. Protective glasses or goggles.

- **Hand protection**: Chemical resistant gloves.
- **Eye protection**: Wear chemical splash goggle.
- **Skin and body protection**: Protective apron. protective clothing. Wear suitable protective clothing.
- **Respiratory protection**: In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Thin liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear, colorless</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>2 - 3</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing 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>None</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>0.95 - 1.05</td>
</tr>
<tr>
<td>Solubility</td>
<td>Miscible with 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>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive as none of the components is classified as explosive or oxidizing.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>None of the components is classified for oxidizing properties.</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
No data available

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified
Skin corrosion/irritation : Causes skin irritation
   pH: 2 - 3
Serious eye damage/irritation : Causes eye irritation
   pH: 2 - 3
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
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity
Quantitative data on the toxic effects of this product are not available.

12.2. Persistence and degradability
Soluble in water.

12.3. Bioaccumulative potential
Readily biodegradable

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
No data available

12.6. Other adverse effects
No data 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, 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
- REL - Relative
- SDS - Safety Data Sheet
- STEL - Short-Term Exposure Limit
- TLV - Threshold Limit Value
- TWA - Time Weighted Average

Full text of -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>

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