Material Safety Data Sheet

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**Section 1. Chemical Product and Company Identification**

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
<th>Personal Protective Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>1/2/0</td>
</tr>
</tbody>
</table>

### Sodium Stearoyl Lactylate

**Common Name/Trade Name**: Sodium Stearoyl Lactylate

**Catalog Number(s)**: S1297

**CAS#**: 25383-99-7

**RTECS**: Not available.

**TSCA**: TSCA 8(b) inventory: Sodium Stearoyl Lactylate

**CI#**: Not available.

**Manufacturer**: SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

**Commercial Name(s)**: Not available.

**Synonym**: Octadecanoic Acid, 2-(carboxyethoxy)-1-methyl-2-oxothyl ester, sodium salt

**Chemical Name**: Sodium Stearoyl Lactylate

**Chemical Family**: Not available.

**Chemical Formula**: C24-H44-O-6-Na

**Supplier**: SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

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**Section 2. Composition and Information on Ingredients**

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Sodium Stearoyl Lactylate</td>
<td>25383-99-7</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

**Exposure Limits**

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**Section 3. Hazards Identification**

### Potential Acute Health Effects

Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.

### Potential Chronic Health Effects

- **CARCINOGENIC EFFECTS**: Not available.
- **MUTAGENIC EFFECTS**: Not available.
- **TERATOGENIC EFFECTS**: Not available.
- **DEVELOPMENTAL TOXICITY**: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

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Continued on Next Page
### Section 4. First Aid Measures

<table>
<thead>
<tr>
<th>Eye Contact</th>
<th>Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Contact</td>
<td>Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.</td>
</tr>
<tr>
<td>Serious Skin Contact</td>
<td>Not available.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.</td>
</tr>
<tr>
<td>Serious Inhalation</td>
<td>Not available.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.</td>
</tr>
<tr>
<td>Serious Ingestion</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 5. Fire and Explosion Data

<table>
<thead>
<tr>
<th>Flammability of the Product</th>
<th>May be combustible at high temperature.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash Points</td>
<td>CLOSED CUP: 221.11°C (430°F).</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Not available.</td>
</tr>
<tr>
<td>Products of Combustion</td>
<td>These products are carbon oxides (CO, CO2).</td>
</tr>
<tr>
<td>Fire Hazards in Presence of Various Substances</td>
<td>Slightly flammable to flammable in presence of heat.</td>
</tr>
<tr>
<td>Fire Fighting Media and Instructions</td>
<td>SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.</td>
</tr>
<tr>
<td>Special Remarks on Fire Hazards</td>
<td>Not available.</td>
</tr>
<tr>
<td>Special Remarks on Explosion Hazards</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 6. Accidental Release Measures

<table>
<thead>
<tr>
<th>Small Spill</th>
<th>Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Spill</td>
<td>Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.</td>
</tr>
</tbody>
</table>

Continued on Next Page
## Section 7. Handling and Storage

### Precautions
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as moisture.

### Storage
HYGROSCOPIC. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 32°C (89.6°F).

## Section 8. Exposure Controls/Personal Protection

### Engineering Controls
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Personal Protection
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

### Personal Protection in Case of a Large Spill
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Exposure Limits
Not available.

## Section 9. Physical and Chemical Properties

### Physical state and appearance
Solid. (Solid powder.)

### Molecular Weight
451.6 g/mole

### pH (1% soln/water)
Not available.

### Boiling Point
Not available.

### Melting Point
48.889°C (120°F)

### Critical Temperature
Not available.

### Specific Gravity
1.063 (Water = 1)

### Vapor Pressure
Not applicable.

### Vapor Density
Not available.

### Volatility
Not available.

### Odor Threshold
Not available.

### Water/Oil Dist. Coeff.
Not available.

### Ionicity in Water
Not available.

### Dispersion Properties
Not available.

### Solubility
Very slightly soluble in cold water.

## Section 10. Stability and Reactivity Data

### Stability
The product is stable.

### Instability Temperature
Not available.

### Conditions of Instability
Not available.

### Incompatibility with various substances
Reactive with moisture.

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**Continued on Next Page**
### Section 11. Toxicological Information

**Routes of Entry**
- Inhalation. Ingestion.

**Toxicity to Animals**
- LD50: Not available.
- LC50: Not available.

**Chronic Effects on Humans**
- Not available.

**Other Toxic Effects on Humans**
- Hazardous in case of inhalation.
- Slightly hazardous in case of skin contact (irritant), of ingestion.

**Special Remarks on Toxicity to Animals**
- Not available.

**Special Remarks on Chronic Effects on Humans**
- Not available.

**Special Remarks on other Toxic Effects on Humans**
- Acute Potential Health effects:
  - Eye: May cause slight irritation
  - Skin: May be an irritant. Contact with product at elevated temperatures can cause thermal burns.
  - Ingestion: Low level of toxicity. Believed to present very little hazard if swallowed. Acute toxicity via oral route of administration is expected to be low. Sodium Stearoyl Lactylate is a food grade emulsifier, protein and starch complexing agent and is not hazardous as defined in the Federal Substance Act. It also not toxic as defined in OSHA Regulations 29CFR 1900.1200 - Appendix A - Health Hazard Definitions.
  - Inhalation: May be slightly irritating to respiratory tract.

### Section 12. Ecological Information

**Ecotoxicity**
- Not available.

**BOD5 and COD**
- Not available.

**Products of Biodegradation**
- Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation**
- The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation**
- Not available.

### Section 13. Disposal Considerations

**Waste Disposal**  
[Continued on Next Page]
### Section 14. Transport Information

**DOT Classification**
Not a DOT controlled material (United States).

**Identification**
Not applicable.

**Special Provisions for Transport**
Not applicable.

**DOT (Pictograms)**
![No DOT Pictogram]

### Section 15. Other Regulatory Information and Pictograms

**Federal and State Regulations**
TSCA 8(b) inventory: Sodium Stearoyl Lactylate

**California Proposition 65**

**Others**
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Regulations**
WHMIS (Canada) Not controlled under WHMIS (Canada).

**Other Classifications**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSCL (EEC)</td>
<td>R36-</td>
<td>Irritating to eyes.</td>
</tr>
<tr>
<td></td>
<td>S2-</td>
<td>Keep out of the reach of children.</td>
</tr>
<tr>
<td></td>
<td>S46-</td>
<td>If swallowed, seek medical advice immediately and show this container or label.</td>
</tr>
</tbody>
</table>

**HMIS (U.S.A.)**

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Fire Hazard</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>0</td>
<td>E</td>
</tr>
</tbody>
</table>

**National Fire Protection Association (U.S.A.)**

<table>
<thead>
<tr>
<th>Health</th>
<th>Reactivity</th>
<th>Specific Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

**WHMIS (Canada) (Pictograms)**

**DSCL (Europe) (Pictograms)**

**TDG (Canada) (Pictograms)**

**ADR (Europe) (Pictograms)**

**Protective Equipment**

*Continued on Next Page*
Gloves.

Lab coat.

Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Splash goggles.

Section 16. Other Information

| MSDS Code | S4475 |
| References | Not available. |
| Other Special Considerations | Not available. |


CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.