1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: N-LAROYL SARCOSINE SODIUM SALT
Recommended Use: For research use only
Registration Number: No information available

1.1 Product Identifier
Catalog Number: 190289
Supplier: MP Biomedicals, LLC
29525 Fountain Parkway
Solon, OH 44139
tel: 440-337-1200

Emergency Telephone Number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

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

2. HAZARDS IDENTIFICATION

GHS - Classification

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

GHS Label elements, including precautionary statements

Physical Hazards: None

Signal Word: Danger
Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P321 - Specific treatment (see supplemental first aid instructions on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTRE or doctor/physician

NFPA rating:

| NFPA Health: | 1 |
| NFPA Flammability: | 0 |
| NFPA Reactivity: | 0 |
| NFPA Special Note: | - |

Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

General advice

Specific treatment (see supplemental instructions on the administration of antidotes on this label).

Skin

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: Sarkosyl NL-97; Sodium N-Lauroyl Sarcosinate
Formula: C15H28NO3Na
Molecular weight: 293.4

For the full text of the R phrases and H statements mentioned in this section, see Section 2

4. FIRST AID MEASURES

4.1 Description of first-aid measures

General Advice

If symptoms persist, call a physician.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation

Move to fresh air.

Ingestion

Clean mouth with water and afterwards drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms

No information available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES
5. **FIRE-FIGHTING MEASURES**

5.1 **Extinguishing media**

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Extinguishing media which must not be used for safety reasons**
No information available.

5.2 **Special hazards arising from the substance or mixture**

No information available.

5.3 **Advice for firefighters**

No information available.

---

6. **ACCIDENTAL RELEASE MEASURES**

6.1 **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

See Section 12 for additional information.

6.2 **Environmental precautions**

Prevent further leakage or spillage if safe to do so.

6.3 **Methods and materials for containment and cleaning up**

No information available.

6.4 **Reference to other sections**

See Section 12 for additional information

---

7. **HANDLING AND STORAGE**

**Storage**
ROOM TEMPERATURE
DESICCATE

7.1 **Precautions for safe handling**

Ensure adequate ventilation.

7.2 **Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a cool, well-ventilated place

7.3 **Specific end uses**

Exposure Scenario
No information available

Other Guidelines
No information available

---

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available

8.2 Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye Protection

Tightly fitting safety goggles

Skin and Body Protection

Long sleeved clothing

Hand Protection

Protective gloves

Respiratory Protection

No special protective equipment required.

Environmental Exposure Controls

No information available.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical State

Solid.

Physical Property Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH Value</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>46°C/115°F</td>
</tr>
<tr>
<td>Boiling Point (°C)</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No data available</td>
</tr>
<tr>
<td>upper flammability limit</td>
<td>No data available</td>
</tr>
<tr>
<td>lower flammability limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</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>No information available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>No information available</td>
</tr>
</tbody>
</table>

9.2 Other Safety Information

Other Safety Information
10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
None under normal processing.

10.4 Conditions to avoid
None in particular

10.5 Incompatible Materials
None in particular

10.6 Hazardous Decomposition Products
None under normal processing.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>Product does not present an acute toxicity hazard based on known or supplied information.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No information available.</td>
</tr>
<tr>
<td>Eye Irritation</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

Acute toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mutagenic Effects</td>
<td>Contains no ingredient listed as a mutagen.</td>
</tr>
<tr>
<td>Carcinogenic Effects</td>
<td>None known.</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>None known.</td>
</tr>
<tr>
<td>Developmental Toxicity</td>
<td>None known.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>None known.</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

12.2 Persistence and degradability
No data is available on the product itself
12.3 Bioaccumulative potential
No information available

12.4 Mobility in soil
No information available

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Other adverse effects
Endocrine Disruptor Information  This product does not contain any known or suspected endocrine disruptors

13. DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products
Dispose of in accordance with local regulations

Contaminated Packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

IMDG/IMO  Not regulated

ICAO  Not regulated

ICAO/IATA  Not regulated

DOT  Not regulated

TDG  Not regulated

MEX  Not regulated

15. REGULATORY INFORMATION

International Inventories

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances / EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippine Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet

Key literature references and sources for data
www.ChemADVISOR.com/