SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier
Product Form: Substance
Product Name: Sodium Coco Sulfate 95% Needles
Product Name: Sulfuric acid, mono C12-18 alkyl esters, sodium salts
CAS No: 68955-19-1
Synonyms: SCS 95% Kosher Needles; Sodium Lauryl Sulfate (C12-C14)

1.2. Intended Use of the Product
Use of the substance/mixture: Personal Care Preservative

1.3. Name, Address, and Telephone of the Responsible Party
Company
Acme-Hardesty Co
450 Sentry Parkway
Blue Bell, PA 19422
T 866-226-3834  T 215-591-3610
www.acme-hardesty.com

1.4. Emergency Telephone Number
Emergency Number: 800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Classification (GHS-US)
Skin Irrit. 2  H315
Eye Dam. 1  H318
STOT SE 3  H335
Aquatic Chronic 3  H412

Full text of H-phrases: see section 16

2.2. Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US):

Signal Word (GHS-US): Danger
Hazard Statements (GHS-US):
H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements (GHS-US):
P261 - Avoid breathing mist, dust.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective clothing, protective gloves.
P302+P352 - If on skin: Wash with plenty of water.
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
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 center or doctor.
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2.3. Other Hazards
No additional information available

2.4. Unknown Acute Toxicity (GHS-US)
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance
Name: Sodium Coco Sulfate 95% Needles
CAS No: 68955-19-1

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid, mono-C12-18-alkyl esters, sodium salts</td>
<td>(CAS No) 68955-19-1</td>
<td>100</td>
<td>Flam. Sol. 1, H228</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2, H315</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 3, H412</td>
</tr>
</tbody>
</table>

3.2. Mixture
Not applicable

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed
Symptoms/Injuries: Causes serious eye damage. Causes skin irritation. Irritation of respiratory tract.
Symptoms/Injuries After Inhalation: May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Symptoms/Injuries After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact: Redness, pain, swelling, itching, burning, tearing, and blurred vision. Causes serious eye damage.
Symptoms/Injuries After Ingestion: May cause nausea, vomiting, and diarrhea.
Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: Carbon dioxide (CO2). dry chemical powder. Sand. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a high powered water stream. Use of a high powered stream may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: Not flammable but will support combustion
Explosion Hazard: Product is not explosive.
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Reactivity: Stable at ambient temperature and under normal conditions of use.

5.3. Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Can be slippery on hard, smooth walking area.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.
Incompatible Products: Strong oxidizers.
Storage Temperature: < 30 °C
Special Rules on Packaging: Stainless steel preferred for storage.

7.3. Specific End Use(s)

Personal Care Preservative

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Hand Protection: Rubber gloves. Wear chemically resistant protective gloves.
Eye Protection: Chemical goggles or safety glasses.
Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.
Other Information: When using, do not eat, drink or smoke.
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>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>White to off-white needles</td>
</tr>
<tr>
<td>Odor</td>
<td>Fatty</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>7.5 - 10.5</td>
</tr>
<tr>
<td>Relative Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>160 °C (EU Method A.9) (320 °F)</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>220 °C (428 °F)</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity / density</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Soluble</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water</td>
<td>&lt;= 2.1 @ 20°C (OECD Guideline 107)</td>
</tr>
<tr>
<td>Log Pow</td>
<td>4.6 Segregation coefficient (n-octanol/water)</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

9.2. Other Information  No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable at ambient temperature and under normal conditions of use.
10.2 Chemical Stability: Stable under normal temperture and pressure.
10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
10.4 Conditions to Avoid: Avoid ignition sources. Direct sunlight. Extremely high or low temperatures.
10.5 Incompatible Materials: Strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Coco Sulfate 95% Needles (68955-19-1)</td>
<td></td>
</tr>
<tr>
<td>Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)</td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>&gt; 10000 mg/kg</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Causes skin irritation. pH: 7.5 - 10.5</td>
</tr>
<tr>
<td>Serious Eye Damage/Irritation</td>
<td>Causes serious eye damage. pH: 7.5 - 10.5</td>
</tr>
<tr>
<td>Respiratory or Skin Sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
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**Sodium Coco Sulfate 95% Needles (68955-19-1)**

**Reproductive Toxicity**: Not classified

**Specific Target Organ Toxicity (Single Exposure)**: May cause respiratory irritation.

**Sodium Coco Sulfate 95% Needles (68955-19-1)**

**Specific Target Organ Toxicity (Repeated Exposure)**: Not classified

**Aspiration Hazard**: Not classified

**Symptoms/Injuries After Inhalation**: May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

**Symptoms/Injuries After Skin Contact**: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Eye Contact**: Redness, pain, swelling, itching, burning, tearing, and blurred vision. Causes serious eye damage.

**Symptoms/Injuries After Ingestion**: May cause nausea, vomiting, and diarrhea.

**Chronic Symptoms**: None known.

**SECTION 12: ECOLOGICAL INFORMATION**

12.1 **Toxicity**: No additional information available

12.2 **Persistence and Degradability**

**Sodium Coco Sulfate 95% Needles (68955-19-1)**

**Persistence and Degradability**: Readily biodegradable in water.

12.3 **Bioaccumulative Potential**

**Sodium Coco Sulfate 95% Needles (68955-19-1)**

**Log Pow**: 4.6 Segregation coefficient (n-octanol/water)

**Bioaccumulative Potential**: Not established.

12.4 **Mobility in Soil**: No additional information available

12.5 **Other Adverse Effects**

**Other Information**: Avoid release to the environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 **Waste treatment methods**

**Waste Disposal Recommendations**: Dispose of waste material in accordance with all local, regional, national, and international regulations.

**SECTION 14: TRANSPORT INFORMATION**

In Accordance With ICAO/IATA/IMDG/DOT

14.1 **UN Number**: Not regulated for transport

14.2 **UN Proper Shipping Name**: Not regulated for transport

14.3 **Additional Information**

**Other Information**: No supplementary information available.

**Transport by Sea**: Not regulated for transport

**Air Transport**: Not regulated for transport

**SECTION 15: REGULATORY INFORMATION**

15.1 **US Federal Regulations**

**Sodium Coco Sulfate 95% Needles (68955-19-1)**

**SARA Section 311/312 Hazard Classes**: Immediate (acute) health hazard

**Sulfuric acid, mono-C12-18-alkyl esters, sodium salts (68955-19-1)**

**Listed on the United States TSCA (Toxic Substances Control Act) inventory**

15.2 **US State Regulations**

**Sodium Coco Sulfate 95% Needles (68955-19-1)**

**State or local regulations**: The product and/or its components does not appear on any state Right to Know lists.

**SECTION 16: OTHER INFORMATION**

**Revision Date**: 05/29/2015

**Indication of Changes**: Revision date.
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Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

<table>
<thead>
<tr>
<th>GHS Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 3</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Flam. Sol. 1</td>
<td>Flammable solids Category 1</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H228</td>
<td>Flammable solid</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>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage, use and disposal of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product or container.

ACME Hardesty US GHS SDS