Section 1: Identification

Trade Name: Ammonium Lauryl Sulfate
Synonyms: CALFOAM® ALS-30
Company: Soapgoods Inc
Address: 1824 Willow Trail Pkwy, Ste 200. Norcross. GA 30093
Phone: (404) 924-9080
E-Mail: wecare@soapgoods.com
Emergency Phone: Chemtrec 1 800 424 9300

Section 2: Hazard(s) Identification

Emergency Overview Irritant

Potential Health Effects
- Eyes Contact with eyes may cause irritation
- Skin Substance may cause slight skin irritation.
- Inhalation May cause irritation of respiratory tract
- Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea
- Chronic effects No information available

Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>% Content</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid, mono-C10-16-alkyl esters, ammonium salts</td>
<td>68081-96-9</td>
<td>27-30</td>
<td>-</td>
</tr>
<tr>
<td>Alcohols, C10-16</td>
<td>67762-41-8</td>
<td>0-2</td>
<td>-</td>
</tr>
<tr>
<td>Ammonium Sulfate</td>
<td>7783-20-2</td>
<td>0-1</td>
<td>-</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>68-73</td>
<td>-</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician
Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If symptoms persist, call a physician

Inhalation Move to fresh air. If symptoms persist, call a physician

Ingestion Drink plenty of water. Do not induce vomiting without medical advice. Consult a physician

**Section 5: Fire-Fighting Measures**

Flammable Properties Non-flammable water solution.

Flammable Limits Not Determined.


**SPECIAL FIRE FIGHTING PROCEDURES**

Method Water mist may be used to cool closed containers.

Suitable Extinguishing Media Water. Carbon dioxide (CO2). Dry chemical. Foam.

Unusual Fire & Explosive Hazards None

**Section 6: Accidental Release Measures**

Small Spillages Recover all usable material. Soak up balance with sand or dirt. Material is slippery on wet or hard surfaces.

Large Spillages In case of a large spill by truck, use small spill procedure and a vacuum truck. Call CHEMTREC at 1-800-424-9300.

**Section 7: Handling and Storage**

Handling Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Spilled material is very slippery. Foams when hit with a stream of water.

Storage Containers should be tightly closed and stored between 60°F and 100°F and away from strong oxidizing agents.
Section 8: Exposure Controls/Personal Protection

Engineering measures Ensure adequate ventilation, especially in confined areas

Eye/Face Protection Tightly fitting safety goggles. If splashes are likely to occur, wear a face-shield

Skin Protection Wear protective gloves/clothing

Respiratory Protection No special protective equipment required, unless workers are exposed to concentrations above the exposure limit

Section 9: Physical and Chemical Properties

Boiling Point/Range Not available
Vapor Pressure Not available
Volatile Weight % 68-73
Water Solubility Soluble in all proportions
Specific Gravity 1.02
pH 6-7 (in 10% Water)
Odor Slight ammonia odor
Appearance Colorless to off-white, clear to slightly hazy
Physical State Liquid

Section 10: Stability and Reactivity

Chemical Stability Stable under normal conditions.

Unsuitable Materials Strong oxidizing agents and strong acids. Strong alkalis evolve ammonia gas when mixed.

Conditions to Avoid Do not mix with strong oxidizing agents or strong acids.

Hazardous Decomposition Products None under normal use

Hazardous Polymerization No information available

Section 11: Toxicological Information
<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LC50 Inhalation</th>
<th>LD50 Dermal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C10-16</td>
<td>10000 mg/kg (Rat)</td>
<td>-</td>
<td>11300 mg/kg (Rabbit)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2000 mg/kg (Rat)</td>
</tr>
<tr>
<td>Ammonium sulfate</td>
<td>2000 mg/kg (Rat)</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Eyes  Eye Irritation

Skin  Skin Irritation

Ingestion Unknown

Inhalation Unknown

Chronic Toxicity  No information available

Carcinogenicity  Product is not listed.

Hazard Type  Skin/Eye Irritant.

Section 12: Ecological Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Freshwater Algae</th>
<th>Freshwater Fish</th>
<th>Microtox</th>
<th>Water Flea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium sulfate</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>EC50 = 14mg/L 48h</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EC50 = 423 mg/L 24h</td>
</tr>
</tbody>
</table>

Ecotoxicity effects  This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Chemical Fate  Material is readily biodegradable

Section 13: Disposal Considerations

Waste Disposal Methods  Dispose of contents/container in accordance with local regulation.

Section 14: Transport Information

DOT  Not regulated
ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

Section 15: Regulatory Information

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>CHINA</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid, mono-C10-16-alkyl esters, ammonium salts</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Alcohols, C10-16</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ammonium sulfate</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Water</td>
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<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>X</td>
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</tbody>
</table>

USA

Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization
Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any HAPs.

Section 16: Other Information

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Review Date: December 2015