Alpha Olefin Sulfonate

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Alpha Olefin Sulfonate
Synonyms: Not available
INCI Name: Sodium C14-16 Alpha Olefin Sulfonate
CAS Number: 68439-57-6
Formula: RCH=CH(CH2)nSO3Na  n: 14-16 or 14-18
Product Form: Liquid
Product Use: Cosmetic use
Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com
Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2, Eye Dam. 1, Acute Tox. 4
GHS Signal Word: WARNING
GHS Hazard Pictograms:
GHS Hazard Statements: H315: Causes skin irritation
H318: Causes serious eye damage
H319: Causes serious eye irritation
H411: Toxic to aquatic life with long-lasting effects
GHS Precautionary Statements: P281: Use personal protective equipment as required
P273: Avoid release to the environment.
Potential Health Hazards: Eyes: Irritant.
Inhalation: May be irritant, but no data available.
Skin: May be irritant.
Ingestion: May be irritant, but no data available.

NFPA Ratings (704):
Health 0 Minimal
Flammability 0 Minimal
Reactivity 0 Minimal
Specific Hazard n/a

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>Molecular Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfonic Acids, C14-16-Alkane, Hydroxy and C14-16 Alkene, Sodium Salts</td>
<td>68439-57-6</td>
<td>36-42%</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>0-1%</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium Sulfate (Solution)</td>
<td>7757-82-6</td>
<td>0-1%</td>
<td>Not available</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>56-64%</td>
<td>Not available</td>
</tr>
</tbody>
</table>

4 FIRST AID MEASURES

Eyes: In case of eye contact, rinse with plenty of water and seek medical attention if necessary.
Inhalation: Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.
Skin: Flush with plenty of water and wash using soap. Remove all contaminated clothes and shoes.
Ingestion: Drink plenty of water. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (water spray, foam, carbon dioxide, dry chemical) for adjacent fire.
Special protective equipment & Wear self-contained, approved breathing apparatus and full protective clothing, including eye
precautions for firefighters: protection and boots.
Flash Points: CLOSED CUP: >No data available
Specific hazards arising from the chemical: May emit toxic fumes under fire conditions. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions: Not available
Methods and material for containment and cleaning up: Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling: See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.
Conditions for safe storage, incl. any incompatibilities: Store in cool, dry well ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component | Exposure Limits | Basis | Entity
---|---|---|---
Sodium C14-16 Alpha Olefin Sulfonate | Not available | STEL: Short Term Exposure Limit during x minutes. | IDLH: Immediately Dangerous to Life or Health

Personal Protection:
Eyes: Chemical safety glasses or goggles, if splashes likely to occur wear face shield.
Inhalation: Not needed under normal conditions of use.
Body: Slip proof shoes may be worn where spills may occur
Other: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

Engineering Measures: Ensure adequate ventilation, especially in confined areas

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State: Liquid
Odor: Slight
Taste: No data available
Color: Amber to yellow
Molecular Weight: No data available
pH (1% sol. in water): 7-9
Boiling Point: >100˚C (212˚F)
Melting Point: No data available
Flash Point: No data available
Specific Gravity: 1.05 (Water = 1)

Vapor Pressure: 25 mm HG @ 25˚C
Volatile Weight %: 56-64
Evaporation Rate: Not available
Flammability: May be combustible
Upper/lower Explosive Limit: No data available
Solubility: Soluble in all proportions of water

10 STABILITY AND REACTIVITY

Reactivity: Product is stable
Chemical Stability: Product is stable
Hazardous Polymerization: No data available
Conditions to Avoid: Avoid strong oxidizers
Incompatible Materials: Strong oxidizing agents
### 11 TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity:**
- LD50 (Rat): Sulfonic Acids, C14-16-Alkane hydroxy and C14-16 Alkene, Sodium Salts: 2310 mg/kg, Sodium Sulfate: 10000 mg/kg
- LD50 (Rabbit): Sulfonic Acids, C14-16-Alkane hydroxy and C14-16 Alkene, Sodium Salts: 6300 mg/kg

**Skin:**
No data available

**Eyes:**
- Irritant

**Respiratory:**
No data available

**Ingestion:**
No data available

**Carcinogenicity:**
No data available

**Teratogenicity:**
No data available

**Germ Cell Mutagenicity:**
No data available

**Embryotoxicity:**
No data available

**Specific Target Organ Toxicity:**
No data available

**Reproductive Toxicity:**
No data available

**Respiratory/Skin Sensitization:**
No data available

### 12 ECOLOGICAL INFORMATION

**Ecotoxicity:**
- EC50 (Water Flea): Sodium Chloride: 1000 mg/L 48 H, Sodium Sulfate (solution): 2564 mg/L 48 H/4547 mg/L 96 H

**Persistence and Degradability:**
- Readily biodegradable. Complies with the biodegradability criteria as laid down in regulation (EC) No. 648/2004

**Bioaccumulative Potential:**
No data available

**Mobility in Soil:**
No data available

**PBT and vPvB Assessment:**
No data available

**Other Adverse Effects:**
No data available

### 13 DISPOSAL CONSIDERATIONS

**Waste Residues:**
Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

**Product Containers:**
Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods.

### 14 TRANSPORT INFORMATION

**DOT (Dept. of Transportation, USA):**
- Not regulated

**TDG (Transportation of Dangerous Goods, Canada):**
- Not regulated

**IMDG (International Maritime Dangerous Goods):**
- Not regulated

**IATA (International Air Transport Association):**
- Not regulated

**ICAO (International Civil Aviation Organization):**
- Not regulated

### 15 REGULATORY INFORMATION

**TSCA Inventory Status:**
No data available

**DSCL (EEC):**
No data available

**WHMIS (Canada):**
No data available

**SARA 313:**
- Sections 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.

16 OTHER INFORMATION

Revision Date: 08-30-2018
Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company’s knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user’s responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.