

## Alpha Olefin Sulfonate

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 14-Oct-2021  
Supersedes: 30-Aug-2018


### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Alpha Olefin Sulfonate	<b>Distributor:</b>	MakingCosmetics.com Inc.
<b>Synonyms:</b>	Not available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 9853 (USA)
<b>INCI Name:</b>	Sodium C14-16 Alpha Olefin Sulfonate	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	68439-57-6	<b>Web:</b>	www.makingcosmetics.com
<b>Formula:</b>	RCH=CH(CH <sub>2</sub> ) <sub>n</sub> SO <sub>3</sub> Na n: 14-16 or 14-18	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Form:</b>	Liquid		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

**GHS Classification:** Skin Irritation - Category 2  
Eye Irritation - Category 2  
Aquatic Chronic Toxicity- Category 2  
Eye Damage - Category 1  
Acute Toxicity - Category 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

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

### 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. Get medical attention if necessary.

**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. Do not use direct water jet.

**Special protective equipment & precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

**Flash Points:** 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:** Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:** Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

**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

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Alpha Olefin Sulfonate	Not available		

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

**Eyes:** Wear chemical safety glasses or goggles, if splashes are likely to occur wear a face shield.

**Inhalation:** Not needed under normal conditions of use. Ensure adequate ventilation, especially in confined areas.

**Body:** Slip proof shoes may be worn where spills may occur. Suitable protective clothing should be worn.

**Other:** Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid	<b>Vapor Pressure:</b>	25 mm HG @ 25 °C
<b>Odor:</b>	Slight	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	Not available
<b>Color:</b>	Amber to yellow	<b>Flammability:</b>	May be combustible
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH (1% sol. in water):</b>	7.0-9.0	<b>Flash Point:</b>	No data available
<b>Boiling Point:</b>	>100 °C (212 °F)	<b>Specific Gravity:</b>	1.05 (water = 1)
<b>Melting Point:</b>	No data available	<b>Solubility:</b>	Soluble in all proportions of water

<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Freezing Point:</b>	No data available
<b>Volatile Weight %:</b>	56.0-64.0%		

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Product is stable.
<b>Chemical Stability:</b>	Product is stable.
<b>Hazardous Polymerization:</b>	No data available
<b>Conditions to Avoid:</b>	Avoid strong oxidizers.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	None known.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available
<b>Skin:</b>	LD50: Sulfonic Acids, C14-16-Alkane hydroxy and C14-16 Alkene, Sodium Salts: 6300 mg/kg
<b>Eyes:</b>	Irritant
<b>Respiratory:</b>	No data available
<b>Ingestion:</b>	LD50: Sulfonic Acids, C14-16-Alkane hydroxy and C14-16 Alkene, Sodium Salts: 2310 mg/kg LD50: Sodium Sulfate: 10000 mg/kg
<b>Carcinogenicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	No data available
<b>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Reproductive Toxicity:</b>	No data available
<b>Respiratory/Skin Sensitization:</b>	No data available
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Irritation:</b>	No data available
<b>Repeated Dose Toxicity:</b>	No data available

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	
<b>Aquatic Vertebrate:</b>	Sodium Chloride: 1000 mg/L (48h) (water flea) Sodium Sulfate (solution): 2564 mg/L (48h) (water flea) Sodium Sulfate (solution): 4547 mg/L (96h) (water flea)
<b>Aquatic Invertebrate:</b>	No data available
<b>Terrestrial:</b>	No data available
<b>Persistence and Degradability:</b>	Readily biodegradable. Complies with the biodegradability criteria as laid down in regulation (EC) No. 648/2004
<b>Bioaccumulative Potential:</b>	No data available
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	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.
<b>Product Containers:</b>	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
DSL (Canada):	No data available
EU EINECS/ELINCS/NLP:	No data available
China IECSC:	No data available
China IECIC (06.30.2014):	No data available
Australia AICS:	No data available
Japan ENCS:	No data available
Philippines PICCS:	No data available
Korea KECI:	No data available
New Zealand NZIoC:	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.
CA Prop 65:	This is to certify that this product complies with Proposition 65 regulations. No additional labeling and/or warnings are required.

## 16 OTHER INFORMATION

Revision Date:	14-Oct-2021
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 suitability & completeness of such information for his own particular use.