

## Alpha Olefin Sulfonate

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

Revision Date: 23-Jun-2025  
Supersedes: 18-Jan-2022

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Alpha Olefin Sulfonate  
**Synonyms:** No data available  
**INCI Name:** Water, Sodium (C14-16) Olefin Sulfonate  
**CAS Number:** 7732-18-5, 68439-57-6  
**Formula:** No data available  
**Product Form:** Liquid  
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics Inc.  
**Address:** 10800 231<sup>st</sup> Way NE  
Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** [www.makingcosmetics.com](http://www.makingcosmetics.com)

**Emergency Telephone Number:** 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**Classification:** Category 2 - Skin Irritant  
Category 2A - Severe Eye Irritant  
**Signal Word:** **WARNING**

**Hazard Pictograms:**



**Hazard Statements:** H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
**Precautionary Statements:** (Prevention) P264: Wash thoroughly after handling.  
P280: Wear protective glove/protective clothing/eye protection/ face protection.  
(Response) P305+351+338: If in eyes: Rinse cautiously with water for several minutes.  
Remove contact lenses if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists, get medical advice/attention.  
(Storage) P402+404: Store in a dry place. Store in a closed container.  
(Disposal) P501: Dispose of contents/container in accordance with local regulations.  
**Potential Health Hazards:** Eyes: Causes serious eye irritation.  
Inhalation: May be an irritant.  
Skin: Causes skin irritation.  
Ingestion: May cause nausea, vomiting, or diarrhea.  
**HMIS Ratings:**

Health	2	Moderate
Flammability	1	Slight
Reactivity	0	Minimal
Personal Protection	B	Wear safety glasses and gloves

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Water	7732-18-5	58 - 62%	Not Available
Sodium (C14-16) Olefin Sulfonate	68439-57-6	37 - 41%	Not Available
Methylchloroisothiazolinone	26172-55-4	Not Available	Not Available
Methylisothiazolinone	2682-20-4	Not Available	Not Available

### 4 FIRST AID MEASURES

**Eyes:** Immediately flush eyes with large amounts of water for at least 15 minutes.  
**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.  
**Skin:** In case of skin contact, wash thoroughly with soap and water.

**Ingestion:** Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

## 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperatures. Use appropriate media (water fog, spray, foam, dry powder, carbon dioxide (CO<sub>2</sub>)) for surrounding environment for adjacent fire. No unsuitable extinguish media listed.

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

**Flash Points:** No data available.

**Specific hazards arising from the chemical:** Hazardous combustion products include oxides of carbon and sulfur. See also Stability and reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:** Ensure adequate ventilation. 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/environment. Notify environmental authorities in case of leak.

**Methods and material for containment and cleaning up:** In case of spillage, absorb with inert, absorbent material. Dispose of absorbed material in accordance with the regulations.

## 7 HANDLING & STORAGE

**Precautions for safe handling:** Normal precautions should be observed as for handling all chemicals. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.

**Conditions for safe storage, incl. any incompatibilities:** Store in original sealed containers. Store away from 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 eye/face protection. Wear safety glasses with side shields (or goggles) and a face shield. Do not get in eyes.

**Inhalation:** No special protective equipment required.

**Body:** Wear appropriate chemical resistant clothing and gloves.

**Other:** Use good personal hygiene practices. Provide effective ventilation to draw fumes and vapors away from workers to prevent routine inhalation. 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>	No data available
<b>Odor:</b>	Little to no odor	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Yellow to amber	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	7.0 - 9.0 (10% solution)	<b>Flash Point:</b>	No data available
<b>Boiling Point:</b>	Approx. 212 °F	<b>Specific Gravity:</b>	No data available

<b>Melting Point:</b>	No data available	<b>Solubility:</b>	Infinitely Soluble
<b>Relative Density:</b>	1.07 (Water = 1)	<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 at 25°C:</b>	< 100 cps	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Metal Corrosion:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Stable at room temperature, no reaction risk.
<b>Chemical Stability:</b>	Stable under normal ambient temperature and conditions.
<b>Hazardous Polymerization:</b>	No data available.
<b>Conditions to Avoid:</b>	Keep away from heat, sparks, and flame.
<b>Incompatible Materials:</b>	None.
<b>Hazardous Decomposition Products:</b>	Oxides of carbon and sulfur.
<b>Possible Hazardous Reactions:</b>	No data available.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available.
<b>Skin:</b>	(Rabbit) LD50: > 2,000 mg/kg. Irritating to skin.
<b>Eyes:</b>	Irritating to eyes.
<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	(Rat) LD50: 1300 - 2400 mg/kg.
<b>Primary Routes of Exposure:</b>	Irritant to skin and eyes. Unknown Inhalation and eyes.
<b>Exposure Symptoms:</b>	Irritation to skin and eyes.
<b>Carcinogenicity:</b>	This chemical is not considered to be carcinogenic by NTP, IARC, or OSHA.
<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>Sensitization:</b>	No data available.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available.
<b>Aquatic Vertebrate:</b>	(Fish) LC50: 2.6 mg/L, 96 hours.
<b>Aquatic Invertebrate:</b>	(Daphnia) EC50: 4.48 mg/L, 48 hours.
<b>Terrestrial:</b>	(Algae) EC50: 42.3 mg/L, 72 hours.
<b>Persistence and Degradability:</b>	This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.
<b>Bioaccumulative Potential:</b>	Does not bioaccumulate.
<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>	Not classified as a hazardous waste. 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. Regulations vary by location.
<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:	Listed.
Clean Air Act:	This product does not contain any hazardous air pollutants (HAPs) under section 112.
SARA 302:	Not listed under extremely hazardous substance.
SARA 311 Hazardous Substance:	Yes.
California Prop. 65:	No chemicals are listed.
Canada (DSL):	No data available.
EU (EINECS):	No data available.
China (IECSC):	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.

## 16 OTHER INFORMATION

Revision Date:	30-Sep-2024
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.