

MSDS

Sodium Alpha-Olefin Sulfonate



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

1.1. Product Identifier

Product Name: Sodium Alpha-Olefin Sulfonate

CAS No: 68439-57-6

Synonyms: AOS

1.2. Intended Use of the Product

Use of the substance/mixture: Personal Care; surfactant

1.3. Name, Address, and Telephone of the Responsible Party

Henan Aslan Chemical Co., Ltd

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jinshui district zhengzhou, China

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SECTION 2: HAZARDS 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

Component	CAS-No	Weight %	OSHA PEL
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	35-40	-
Sodium chloride (NaCl)	7647-14-5	<1	-
Sodium sulfate	7757-82-6	<1	-
Water	7732-18-5	56-64	-

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: FIREFIGHTING MEASURES

Flammable Properties	Non-flammable water solution.
Flammable Limits	Not Determined.
Hazardous Combustion Products	Oxides of carbon and sulfur.
SPECIAL FIRE FIGHTING PROCEDURES	
Method	Water mist may be used to cool closed containers.
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Unusual Fire & Explosive Hazards	None

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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.

SECTION 7: HANDLING AND STORAGE

Handling Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
Storage Containers should be stored at temperatures between 50F and 100F.

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: 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 100C
Vapor Pressure 25 mm Hg 25C
Volatile Weight % 56-64
Water Solubility Soluble in all proportions
Specific Gravity 1.05
pH 7-9
Odor Slight
Appearanceellow Amber
Physical State Liquid

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.
Unsuitable Materials Strong oxidizing agents.
Conditions to Avoid Strong oxidizers.
Hazardous Decomposition Products None under normal use
Hazardous Polymerization No information available

SECTION 11: TOXICOLOGICAL INFORMATION

Component	LD50 Oral	LC50 Inhalation	LD50 Dermal
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	2310 mg/kg (Rat)	-	6300 mg/kg (Rabbit)
Sodium sulfate	10000 mg/kg (Rat)	-	-

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.

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SECTION 12: ECOLOGICAL INFORMATION

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Sodium chloride (NaCl)	-	-	-	EC50 1000 mg/L 48 h
Sodium sulfate	-	-	-	EC50 2564 mg/L 48 h EC50 4547 mg/L 96 h

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

Laws and Regulations According to Manufacturing GB/20200-2006

Hazard Warning Wear goggle when contact. If accidental eye contact occurs, wash thoroughly with water and get medical care.

National Regulation Water pollution as secondary (internal evaluation)

SECTION 16: OTHER INFORMATION

The data herein are based on our current knowledge and believed to be reliable. Henan Aslan Chemical 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.