SDS-AOSPASTE70PC 26 Jul 2026

SAFETY DATA SHEET

AOS PASTE (70%) — ALPHA OLEFIN SULPHONATE

CAS No.: 68439-57-6

This Safety Data Sheet is issued by Suraj Chemicals as the distributor/supplier of record, based on manufacturer and published GHS / regulatory reference data for this substance. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

GHS Product identifier

AOS PASTE (70%) — ALPHA OLEFIN SULPHONATE
Sodium C14 Olefin Sulphonate; Sodium Alpha Olefin Sulphonate
CAS: 68439-57-6

Other means of identification

Not relevant

Recommended use of the chemical and restrictions on use

Relevant uses: Anionic surfactant used in soap and detergent manufacture, cosmetics and shampoo formulation, and emulsion polymerisation. For industrial user only.

Uses advised against: All uses not specified in this section or in section 7.3.

Supplier's details

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Emergency phone number

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS:
Classification of this product has been carried out in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), consistent with the classification reported in the source manufacturer's SDS (prepared per EC No. 1272/2008 CLP):

Skin Irrit. 2	Skin corrosion/irritation, Category 2, H315
Eye Dam. 1	Serious eye damage/eye irritation, Category 1, H318

GHS label elements, including precautionary statements

GHS: Danger

Hazard statements

Skin Irrit. 2: H315 – Causes skin irritation.
Eye Dam. 1: H318 – Causes serious eye damage.

Precautionary statements

P264: Wash skin/hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P332+P313: If skin irritation occurs, get medical advice/attention.
P362: Take off contaminated clothing, wash before reuse.
P501: Dispose of contents/container in accordance with local regulations on industrial waste.

Other hazards which do not result in classification

Not relevant

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Chemical description: Alpha Olefin Sulphonate, aqueous paste – Pale yellow paste

In accordance with Annex 4.3.3 of the GHS, the product contains:

Identification	Chemical Name / Classification	Concentration (%)
CAS: 68439-57-6	Sodium C14 Olefin Sulphonate — Skin Irrit. 2: H315; Eye Dam. 1: H318 – Danger	Min 68 – 72
CAS: 7732-18-5	Water – Not classified	Max 25
CAS: 7757-82-6	Sodium sulphate – Not classified	Max 2.0
CAS: 1120-36-1	NDOM (unsulphonated olefin/di-olefin residue) – Not classified	Max 4.0
CAS: 1310-70-2	Free alkalinity, as NaOH – Not classified	Max 1.0
CAS: 7647-14-5	Sodium chloride – Not classified	Max 2.0

To obtain more information on the hazards of the substances, consult sections 11, 12 and 16.

Mixtures

See composition table above – this product is an aqueous surfactant paste (mixture).

4. FIRST AID MEASURES

Description of necessary first-aid measures

Take off immediately all contaminated clothing. Self-protection of the first aider is advised.

By inhalation

Provide fresh air. Seek medical attention in all cases of doubt or when symptoms persist.

By skin contact

Wash immediately with plenty of water.

By eye contact

Flush immediately with plenty of water for 10 to 15 minutes, holding eyelids apart.

By ingestion/aspiration

Rinse mouth with water (only if the person is conscious). Call a physician immediately – if swallowed, there is danger of perforation of the oesophagus and stomach (strong corrosive effects).

Most important symptoms/effects, acute and delayed

Inhalation: dust or fumes can cause irritation of the nose, throat and respiratory tract (runny nose, coughing, nose bleeds); severe over-exposure can produce lung damage, choking, unconsciousness or death. Skin contact: corrosive/permeating; damage depends on length of contact – itching, scaling, reddening or, occasionally, blistering. Eye contact: can result in corneal damage or blindness – redness, watering and itching. Ingestion: irritation and possible burning to mouth, throat and stomach.

Indication of immediate medical attention and special treatment needed, if necessary

Symptomatic treatment as required.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Suitable: Water spray, foam, dry extinguishing powder, carbon dioxide (CO_2). Co-ordinate fire-fighting measures to the surroundings.
Unsuitable: None known

Specific hazards arising from the chemical

No hazardous combustion products expected.

Special protective actions for fire-fighters

Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus and full chemical protective clothing.

Additional provisions

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Wear suitable protective equipment to prevent contamination of skin, eyes and personal clothing.

For emergency responders

Wear protective equipment described in Section 8. Keep unprotected persons away.

Environmental precautions

Keep away from drains, surface water and ground water. Retain contaminated washing water for disposal.

Methods and materials for containment and cleaning up

Cover drains. Absorb with liquid-binding material (sand, diatomaceous earth, acid or universal binding agents). Neutralize traces of residues or very small spills with sodium carbonate/bicarbonate and water, or alkaline substances. Collect with a clean shovel, place in clean dry vessels, cover and remove from the spill area. Ventilate the affected area.

Reference to other sections

See sections 8 and 13.

7. HANDLING AND STORAGE

Precautions for safe handling

A. General precautions for safe use

Provide sufficient ventilation. Handle open containers with care.

B. Technical recommendations for the prevention of fires and explosions

Avoid static electricity discharges. Keep container tightly closed.

C. Technical recommendations on general occupational hygiene

Do not eat, drink or smoke in work areas. Wash hands before breaks and after work.

D. Technical recommendations to prevent environmental risks

Prevent release to drains, surface water and groundwater. See subsection 6.2.

Conditions for safe storage, including any incompatibilities

A. Specific storage requirements

Recommended storage temperature	25 – 35°C
Container	Keep tightly closed

B. General conditions for storage

Store away from alkaline materials, oxidizers and strong acids (e.g. copper oxide, nitric acid, sulphuric acid, sodium nitrite). Avoid static electricity discharges. For additional information see subsection 10.5.

Specific end use(s)

No additional information available beyond uses listed in Section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Alpha Olefin Sulphonate (CAS 68439-57-6): contains no substances with established occupational exposure limits.

Appropriate engineering controls

Provide sufficient ventilation as a collective protection measure, in addition to individual PPE as needed.

B. Respiratory protection

Not normally required in well-ventilated areas; use a suitable dust mask/respirator if mist or spray is generated.

C. Specific protection for the hands

Wear suitable gloves – natural rubber (NR)/latex, minimum thickness 0.65 mm.

D. Eye and face protection

Use safety goggles with side protection; wear face protection where splashing may occur.

E. Bodily protection

Protective clothing; preventive skin protection (barrier creams/ointments) is recommended.

F. Additional emergency measures

Emergency shower and eyewash stations should be available near the work area.

Environmental exposure controls

Avoid environmental spillage of both the product and its container. See subsection 6.2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	
Physical state at 20°C	Paste
Appearance	Paste
Color	Pale yellow
Odor	Characteristic
Odour threshold	Not available
Volatility	
Boiling point at atmospheric pressure	> 100°C at 760 mm Hg
Vapour pressure	Not available
Evaporation rate	Not applicable
Product Description	
Density / Relative density	Not available
Bulk density	Not available
pH (10% solution)	Max 9 – 12.5
Vapour density	Not applicable
Partition coefficient n-octanol/water (log KOW)	Not available
Solubility in water	Soluble
Melting point/freezing point	Not available
Flammability	
Flash Point	> 201°F (> 94°C)
Flammability (solid, gas)	Non-flammable in solution
Autoignition temperature	Not available
Lower / Upper flammability limit	Not available

** Values sourced from the manufacturer's REACH-format SDS (Ultramarine & Pigments Ltd., Trade name ULTRAWET AOS 1470).*

Other information

Explosive properties	Not available
Oxidising properties	Not available
Dynamic viscosity	Not available

10. STABILITY AND REACTIVITY

Reactivity

Reacts with strong reducing agents and decomposes to a non-hazardous material.

Chemical stability

Stable under normal conditions of storage.

Possibility of hazardous reactions

Hazardous polymerisation will not occur.

Conditions to avoid

Shock/Friction	Contact with Air	Increase in Temperature	Sunlight	Humidity
Not applicable	Not applicable	Keep away from heat, sparks and flame	Not applicable	Avoid moisture

Incompatible materials

Reactive with oxidising agents, acids, alkaline materials, copper oxide, nitric acid, sulphuric acid and sodium nitrite.

Hazardous decomposition products

Will not occur under normal use and temperature conditions.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

In case of exposure that is repetitive, prolonged, or at concentrations higher than recommended, adverse health effects may result depending on the means of exposure:

A. Ingestion (acute effect)
LD50 (calculated) > 5.989 g/kg. Causes irritation and possible burning to mouth, throat and stomach.

B. Inhalation (acute effect)
LC50 rat (4h) > 52 mg/L. Dust/fumes may cause irritation of the nose, throat and respiratory tract.

C. Contact with skin and eyes (acute effect)
Contact with skin causes irritation; contact with eyes causes damage.

D. CMR effects (carcinogenicity, mutagenicity, reproductive toxicity)
Shall not be classified as germ cell mutagenic, carcinogenic, or as a reproductive toxicant.

E. Sensitizing effects
Shall not be classified as a respiratory or skin sensitizer.

F. Specific target organ toxicity (STOT) – single/repeated exposure
Shall not be classified as single exposure or repeated exposure STOT.

H. Aspiration hazard
Not classified based on available data.

Product-specific toxicological information (Acute Toxicity Estimate)

Exposure route	Effect rate / concentration	ATE value
Acute Oral	LD50	> 2079 mg/kg
Acute Dermal	LD50	> 6300 mg/kg
Acute Inhalation	LC50 rat (4h)	> 52 mg/L

12. ECOLOGICAL INFORMATION

Harmful to aquatic life.

Toxicity

Acute Toxicity	Species	Genus
LC50: 4.2 mg/L	Freshwater fish	Fish

Persistence and degradability
Readily biodegradable.

Bioaccumulative potential
Log Pow: –1.3 (low bioaccumulation potential).

Mobility in soil
No data available.

Results of PBT and vPvB assessment
No data available.

Other adverse effects
No data available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Do not empty into drains; avoid release to the environment. Not classified as a hazardous waste; dispose of according to applicable environmental regulations. All waste must be handled in accordance with local, state and central regulations, which may vary by location.

Waste shall be separated into categories that can be handled by local/national waste management facilities, per relevant national or regional provisions.

14. TRANSPORT INFORMATION

Transport of dangerous goods by land (ADR 2023 / RID 2023)

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not a regulated material
14.3 Transport hazard class(es)	No available data
14.4 Packing group	No available data
14.5 Environmental hazard	No available data
14.6 Special precautions for user	None
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not applicable

Transport of dangerous goods by sea (IMDG 41-22)

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not a regulated material
14.3 Transport hazard class(es)	No available data
14.4 Packing group	No available data
14.5 Marine pollutant	No available data
14.6 Special precautions for user	None
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not applicable

Transport of dangerous goods by air (IATA/ICAO 2024)

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not a regulated material
14.3 Transport hazard class(es)	No available data
14.4 Packing group	No available data
14.5 Environmental hazard	No available data
14.6 Special precautions for user	Not necessary
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not applicable

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question

According to available data, the product is not a specially regulated product; observe prescribed central, state and local measures while handling chemicals.
Listed in international inventories such as TSCA, DSL, EINECS, MITI, KECL, PICCS and AICS.

Other legislation

Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
The Factories Act, 1948 (Act No. 63 of 1948), as amended by the Factories (Amendment) Act, 1987 (Act 20 of 1987)

16. OTHER INFORMATION

Legislation related to safety data sheets

This safety data sheet has been designed in accordance with Annex 4 – Guidance on the preparation of Safety Data Sheets of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), consistent with the classification carried in the manufacturer's REACH-format (EC No. 1907/2006, amended by 2015/830/EU) source SDS.

Texts of the legislative phrases mentioned in sections 2 and 3

H315: Causes skin irritation.
H318: Causes serious eye damage.

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

Advice related to training

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources

Manufacturer's Safety Data Sheet (Trade name ULTRAWET AOS 1470), prepared per Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Abbreviations and acronyms

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures | REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals | ATE: Acute Toxicity Estimate | CMR: Carcinogenic, Mutagenic or toxic for Reproduction | Log KOW: N-octanol/water partition coefficient | PBT: Persistent, Bioaccumulative and Toxic | vPvB: Very Persistent and very Bioaccumulative | NDOM: Non-detergent organic matter

Disclaimer: The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product; it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within Suraj Chemicals' awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

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