



Alpha Olefin Sulfonate Needle (AOS) 90%

CAS Number: 68439-57-6

DESCRIPTION

Alpha Olefin Sulfonate is a high-active anionic surfactant supplied in needle form with excellent foaming and detergency properties. It offers good stability over a wide pH range and performs effectively in hard water conditions. Due to its strong cleansing power and compatibility with other surfactants, it is widely used in detergent, personal care, industrial, and specialty chemical formulations.

KEY FEATURES

- High active content ($\geq 90\%$)
- Excellent foaming and detergency performance
- Good stability across a wide pH range
- Effective in hard water conditions
- Compatible with other anionic, non-ionic, and amphoteric surfactants
- Suitable for powder, bar, and liquid formulation

APPLICATIONS

- Laundry and toilet soaps
- Synthetic detergents (powders, bars, liquids)
- Institutional and industrial cleaners
- Personal care and cosmetic formulations
- Paints, coatings, and pigment dispersions
- Rubber and tyre processing
- Textile and leather chemicals
- Agricultural chemical and pesticide formulations (EC, WDP)
- Emulsion polymerisation systems (PVC, PVA, polyacrylates, styrene)
- Additive for cement and concrete formulations



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance @ 25 °C	Cream-coloured needles
Active Content (%)	≥ 90
Unulfonated Matter (%)	≤ 1.5
pH (1% aqueous solution)	8.0 – 10.5
Sodium Chloride (%)	≤ 1.0
Sodium Sulfate (%)	≤ 6.0
Moisture (%)	≤ 5.0
Mean Molecular Weight	~ 324
Ionic Character	Anionic

Values are typical and not intended as product specifications.

PACKAGING

Supplied in 25 kg polyethylene-lined HDPE laminated bags.
Alternative packaging sizes may be available upon request.

STORAGE & HANDLING

Store in a cool, dry, and well-ventilated area. Protect from moisture and contamination. Keep packaging tightly sealed when not in use. Handle using standard chemical handling practices and appropriate personal protective equipment.

SAFETY

Avoid inhalation of dust and contact with eyes or skin. Use suitable protective equipment during handling. Refer to the Safety Data Sheet (SDS) for detailed safety, handling, and regulatory information.