

# Alpha Olefin Sulphonate (AOS)

Anionic surfactant

## Product Description

Alpha Olefin Sulphonate (AOS) is an anionic surfactant used as the primary surfactant in liquid detergents, shampoos and personal care products.

## Certificate of Analysis

HSN Code: 3402.11

CAS Number: 68439-57-6

Classification: Anionic Surfactant

| Parameter               | Specification                   | Test Method         |
|-------------------------|---------------------------------|---------------------|
| Appearance (liquid)     | Clear to slightly turbid liquid | Visual              |
| Active Content (liquid) | 38–40%                          | Two-phase Titration |
| Active Content (powder) | "e 93 %                         | Two-phase Titration |
| pH (1% aq. solution)    | 7.0–9.5                         | Potentiometry       |
| Color (APHA, liquid)    | "d 50                           | Hazen scale         |
| Unulfonated Matter      | "d 2.0 %                        | Extraction method   |
| 1,4-Dioxane             | "d 10 p p m                     | GC-MS               |
| Heavy Metals            | "d 20 p p m                     | ICP-MS              |

## Physical Properties

Appearance: Clear to slightly turbid pale yellow liquid (liquid grade) or white powder (powder grade)

Odor: Mild characteristic surfactant odor

Solubility: Readily dispersible/soluble in water

Packing: Liquid: 50 kg / 200 kg HDPE drums; IBC 1000 L; Powder: 25 kg multiwall paper bags with PE liner

Storage: Store in cool, dry, well-ventilated area. Protect from frost. Keep containers tightly closed.

## Safety & Handling

PPE: Gloves, safety goggles, protective clothing

Hazards:

- May cause skin and eye irritation
- Harmful to aquatic organisms with long-lasting effects