

PRODUCT DESCRIPTION

Calsoft[®] AOS-40 is a pale yellow to light amber, aqueous solution of sodium C14-16 alpha olefin sulfonate. Calsoft[®] AOS-40 combines the advantages of high foaming power, good emulsification, mildness to the skin and excellent lime soap dispersion to give the formulator flexibility for sulfate-free personal care and detergent products.

INCI NAME

Sodium C14-16 Olefin Sulfonate

CAS #

68439-57-6

TYPICAL PROPERTIES

Appearance @ 25°C	Light yellow liquid
Activity (Wt. %)	40.0
Unulfonated Material (Wt. %)	1.0
Sodium Sulfate (Wt. %)	1.0
Color (5% Active, Klett, 40 mm, #42 Filter)	60.0
pH (10% Solution)	8.0
Viscosity @ 25°C, cps	125
Foam Height (mm@1% actives, 25°C,	155/140
Liquid Density (lbs/Gal @ 25°C)	8.7
Solubility in Water	Infinite

APPLICATIONS**Household and Industrial Detergents**

Calsoft[®] AOS-40 provides copious stable foam, mildness to the hands, hard water stability, excellent cleaning and grease emulsification properties in light-duty dish liquid and heavy-duty laundry detergents.

Personal Care Products

Calsoft[®] AOS-40 offers the advantages of excellent cleansing, foam characteristics, viscosity and improved mildness over lauryl sulfates to produce sulfate-free personal care formulations.

Car Washing Compounds

Calsoft[®] AOS-40, when compounded with other sulfonates and amides, provide exceptional foam volume and cleaning characteristics in both manual and automatic car wash formulations.

ADVANTAGES

Calsoft[®] AOS-40 has excellent cost/performance characteristics and is readily biodegradable. Calsoft[®] AOS-40 produces sulfate-free personal care products with excellent foam properties, broad pH stability, viscosity, and mildness characteristics. Calsoft[®] AOS-40 contains no solvents or VOC's.

HANDLING & STORAGE

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling Calsoft[®] AOS-40. Wash thoroughly after handling. Do not get in eyes, avoid skin and clothing contact. Store at temperatures between 50°F to 100°F. Avoid excessive heat and cold. Material will freeze and form a solid gel on the bottom of storage containers. Warming and strong agitation is needed to reconstitute the material. Avoid contact with aluminum, iron, copper, or copper alloys. Refer to the MSDS before handling.

PACKAGING

Calsoft[®] AOS-40 is available in 55-gallon Liquipak or polyethylene drums (net weight 485 lb/220kg), and bulk (tank rail and tank truck).

See starting formulas and additional product information, at www.pilotchemical.com

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RESPONSIBLE CARE[®]
OUR COMMITMENT TO SUSTAINABILITY