PILOT CHEMICAL COMPANY

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CALSOFT® AOS-40

PRODUCT DATA SHEET

PDS 484S01.2.ACTIVE.05182021

PRODUCT DESCRIPTION

Calsoft® AOS-40 is a 40% active solution of sodium C14-16 alpha olefin sulfonate that offers the advantages of high foaming power, good emulsification, skin mildness and excellent lime soap dispersion for use in personal care and HI&I applications.

COMMON CHEMICAL NAME

Sodium C14-16 Olefin Sulfonate

CAS #

68439-57-6

TYPICAL PROPERTIES

Appearance ((25°C)	Clear, pale yellow liquid
Activity, wt. %	40.0
Unsulfonated material, wt. %	< 1.25
Sodium Sulfate, wt. %	< 1.00
Sodium Chloride, wt. %	< 1.00
Color (5% active solution, 40mm), Klett	60 Max.
pH (10% solution)	7.0 – 9.0
Viscosity (25°C), cPs	500 Max.
Foam Height (1% active solution, 25°C), mm	Initial: 141; 5 Minutes: 135
Solubility in Water	Miscible
Freeze Point	28°F
Shelf Life	2 Years

APPLICATIONS

Calsoft® AOS-40 is an anionic surfactant of choice for personal care and HI&I applications. Calsoft® AOS-40 offers excellent cleansing, foam characteristics, viscosity, and skin mildness to produce cost effective and high performing shampoo, body wash, hand soap, and pet care formulations. Calsoft® AOS-40 provides copious stable foam, mildness to the hands, hard water tolerance, excellent cleaning and grease cutting properties in light-duty dish liquid and heavy-duty laundry detergents. Calsoft® AOS-40 provides exceptional foam volume and cleaning characteristics in both manual and automatic car wash products.

ADVANTAGES

Calsoft® AOS-40 has excellent cost performance characteristics and foam properties, along with broad pH stability, great viscosity building, and mildness properties. Calsoft® AOS-40 offers improved mildness over sodium lauryl sulfate. Calsoft® AOS-40 is fully compatible with other anionic, amphoteric, and nonionic surfactants.

Calsoft® AOS-40 is on the List of Trade Names of Inert Ingredients Database. Calsoft® AOS-40 is approved for use as an inert ingredient in pesticide formulations for pre-harvest use and is exempt from requirement of a tolerance under 180.920 without limitation.

HANDLING & STORAGE

Refer to the Calsoft® AOS-40 SDS (Safety Data Sheet) before handling. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment and observe good industrial hygiene practices. Store in a tightly closed container. Do not store with strong oxidizing agents. Avoid contact with aluminum, iron, and copper. Avoid excessive heat. Recommended storage temperatures are 51-100°F to protect from freezing and from forming a solid gel at the bottom of containers.

PACKAGING

Calsoft® AOS-40 is available in 485 lb. poly drums, 2300 lb. poly totes, and bulk quantities.

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

The information and suggestions given are drawn from data we believe to be reliable, but in all cases, the user should check and confirm the suggestions and results in his own use before proceeding further. None of the suggestions or recommendations constitute freedom from any patents that may be existent in the filed or be issued.

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