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CALSOFT® AOS-40 BZ

PRODUCT DATA SHEET

PDS 484S15.ACTIVE.2.05182021

PRODUCT DESCRIPTION

Calsoft® AOS-40 BZ is a 40% active solution of sodium C14-16 alpha olefin sulfonate. Calsoft® AOS-40 BZ is a high foaming anionic surfactant that is mild to skin and hair and has excellent cleansing and detergency making it ideal 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 to slightly hazy, pale yellow liquid
Activity, wt. %	40.0
Unsulfonated material, wt. %	< 1.25
Color (5% active solution, 40mm), Klett	60 Max.
pH (10% solution)	6.0
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 BZ is an anionic surfactant perfect for use in personal care and HI&I applications. Its detergency and soil removal properties, together with its stability over a wide pH range, makes it the surfactant of choice for many HI&I cleaners. Calsoft® AOS-40 BZ provides copious stable foam, mildness to the hands, hard water stability, excellent cleaning and grease emulsification properties in both light-duty and heavy-duty cleaners, such as: car wash, manual dish wash, all-purpose cleaner, tub & tile cleaner, laundry detergents and more. Calsoft® AOS-40 BZ can be used to formulate personal and pet cleansers like shampoo, body wash, hand soap, facial cleansers, pet shampoo, and more. Calsoft® AOS-40 BZ creates copious foam and soft silky lather, which is tough on dirt and soil yet gentle on skin and hair. Building viscosity in Calsoft® AOS-40 BZ based formulations is easy and economical and can be achieved by using amides, betaines, and salt.

ADVANTAGES

Calsoft® AOS-40 BZ is preserved with food grade preservative benzoic acid which has a milder profile when compared to other industry standard preservative options. Calsoft® AOS-40 BZ has excellent cost performance advantages for producing many personal care and HI&I product formulas. Calsoft® AOS-40 BZ offers improved mildness over sodium lauryl sulfate. Calsoft® AOS-40 BZ is fully compatible with other anionic, amphoteric, and nonionic surfactants.

HANDLING & STORAGE

Refer to the Calsoft® AOS-40 BZ 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 BZ 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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