PILOT CHEMICAL COMPANY

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CALSOFT® AOS-1245

PRODUCT DATA SHEET

PDS 474S00.1.ACTIVE.05182021

PRODUCT DESCRIPTION

Calsoft® AOS-1245 is a 45% active aqueous solution of sodium alpha olefin sulfonate with high flash foam properties in highly electrolytic solutions and hard or soft water environments. Calsoft® AOS-1245 is a versatile anionic surfactant that can be used in many applications and markets.

COMMON CHEMICAL NAME

Sodium C12 Alpha Olefin Sulfonate

CAS #

30965-85-6 (and) 128824-30-6

TYPICAL PROPERTIES

Appearance (25°C)	Clear, amber liquid
Activity, wt. %	45.0
Color (5% active solution), Klett	250 Max.
pH (5% active solution)	10.0 – 11.0
Foam Height (1% active solution, 25°C), mm	Initial: 121; 5 Minutes: 113
Solubility in Water	Miscible
Freeze Point	27°F
Shelf Life	1 Year

APPLICATIONS

Calsoft® AOS-1245 is a multifunctional surfactant perfect for use in personal care, HI&I, and oil and gas applications. Calsoft® AOS-1245 combines the advantages of excellent cleaning action with mildness to the skin when used in liquid soap formulations. Calsoft® AOS-1245 compounded with an amine oxide and electrolyte, produce high viscosity, low color hand soap products. Shampoos and bath products formulated with Calsoft® AOS-1245 have excellent viscosity and foam characteristics. Calsoft® AOS-1245 along with other anionic surfactants produce manual dish washing products that have excellent grease emulsification, skin mildness, and high foam stability. Calsoft® AOS-1245's high flash foam properties in high electrolytic environments create excellent results in down-hole oil field applications.

ADVANTAGES

Calsoft® AOS-1245 has excellent cost performance characteristics and foam properties, along with broad pH stability, great viscosity building, and mildness properties. Calsoft® AOS-1245 offers improved mildness over sodium lauryl sulfate. Calsoft® AOS-1245 is fully compatible with other anionic, amphoteric, and nonionic surfactants.

HANDLING & STORAGE

Refer to the Calsoft® AOS-1245 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, copper, or copper alloys. Avoid excessive heat. Recommended storage temperatures are 51-100°F.

PACKAGING

Calsoft® AOS-1245 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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