PILOT CHEMICAL COMPANY

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CALSOFT® AOS-FS

PRODUCT DATA SHEET

PDS 484S12.2.ACTIVE.05182021

PRODUCT DESCRIPTION

Calsoft® AOS-FS is a 42% solids solution of sodium C14-16 alpha olefin sulfonate for use in HI&I applications. Calsoft® AOS-FS has all the desirable properties of a high foaming anionic surfactant, foam, detergency, and solubility, with the advantage of excellent handling properties at low temperatures and freeze/thaw characteristics.

COMMON CHEMICAL NAME

Sodium C14-16 Olefin Sulfonate

CAS #

68439-57-6

TYPICAL PROPERTIES

Appearance ((25°C)	Clear, pale yellow liquid
Solids, wt. %	42.0
pH (10% solution)	8.0
Viscosity (25°C), cPs	< 50
Foam Height (1% active solution, 25°C), mm	Initial: 153; 5 Minutes: 148
Solubility in Water	Miscible
Freeze Point	26.6°F, (-3°C)
Cloud Point	19.3°F, (-7°C)
Shelf Life	2 Years

APPLICATIONS

Calsoft® AOS-FS is specially designed for HI&I applications like dish wash, laundry, car wash and hard surface cleaners. Calsoft® AOS-FS 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-FS provides exceptional foam volume and cleaning characteristics in both manual and automatic car wash products.

ADVANTAGES

Calsoft® AOS-FS solves key low temperature handling and performance issues with standard sodium C14-16 alpha olefin sulfonates. Calsoft® AOS-FS has a lower freeze and cloud point then competitive sodium C14-16 alpha olefin sulfonates. If frozen, Calsoft® AOS-FS will reconstitute to a homogenous state without agitation or heating. Calsoft® AOS-FS has excellent performance characteristics and foam properties, along with broad pH stability, great viscosity building, and mildness properties. Calsoft® AOS-FS is fully compatible with other anionic, amphoteric, and nonionic surfactants.

HANDLING & STORAGE

Refer to the Calsoft® AOS-FS 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 35-100°F.

PACKAGING

Calsoft® AOS-FS 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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