www.pilotchemical.com
9075 Centre Pointe Drive Suite 400
West Chester, OH 45069

CALSOFT® LAS-99

PRODUCT DATA SHEET

PDS.400000.3.ACTIVE.12172021

PRODUCT DESCRIPTION

Calsoft® LAS-99 is a minimum 97% active, linear alkylbenzene sulfonic acid. Proprietary sulfonation technology preserves the high activity, high detergency, foaming properties, and light color of Calsoft® LAS-99.

COMMON CHEMICAL NAME

Linear Alkylbenzene Sulfonic Acid (High 2-Phenyl)

CAS #

68584-22-5 (Alt. 27176-87-0)

TYPICAL PROPERTIES

Appearance (25°C)	Viscous brown liquid
Active (*f* 320), wt. %	> 97.0
Unsulfonated material, wt. %	< 1.5
Sulfuric acid, wt. %	< 1.5
Water Content, wt. %	< 0.75
Color (5% active solution, #42 filter, 40mm.), Klett	< 50
pH (4% solution)	< 2
Combining Weight, g./eq.	288 - 315
Viscosity (25°C), cPs	< 1500
Density, lb./gal.	8.81
Freeze Point, °C	< -20
Shelf Life	2 Years

APPLICATIONS

Household, Industrial, and Institutional cleaners: Neutralized Calsoft® LAS-99 is high foaming with excellent detergency and cleaning performance for both greasy and particulate soils. It is an efficient choice surfactant for laundry, manual dish wash, car wash, kitchen, bath, and all-purpose cleaner, heavy-duty cleaner/degreaser formulas.

Oil Treatment Intermediates: Calsoft® LAS-99's high activity, low free oil and low sulfuric acid makes it the linear sulfonic acid of choice as a starting intermediate for oil treatment compounds. Calsoft® LAS-99 reacts with alkyl amines to produce sulfonates soluble in oil and many non-aqueous solvents.

Metal-Treating Baths: Calsoft® LAS-99 is a strong organic acid surfactant that is compatible with mineral acids and organic acids used for metal cleaning and pickling acids. At 0.5% or less of total solution weight promotes rapid grease and oil film removal, superior surface wetting, and complete film-free, residue-free rinsability.

ADVANTAGES

Calsoft® LAS-99 is a high active surfactant that is pourable and pumpable at ambient working temperatures and offers formulators the flexibility to neutralize with their preferred suitable alkali to whatever active level they desire.

Calsoft® LAS-99 is CleanGredients® Listed, which means it has been pre-approved by the U.S. EPA to meet the criteria of their Safer Choice Standard. This certification may streamline the approval process for EPA's Safer Choice program, getting a formulator's Safer Choice labeled product to market faster.

Calsoft® LAS-99 is on the List of Trade Names of Inert Ingredients Database. Calsoft® LAS-99 is approved for use as an inert ingredient in pesticide formulations for pre- and post-harvest and animal application and is exempt from requirement of a tolerance under 180.910 and 180.930 without limitation.

The information and suggestions given are drawn from data we believe to be reliable, but in all cases, the user should check and confim 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 field or be issued.

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OUR COMMITMENT TO SUSTAINABILITY

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HANDLING & STORAGE

Refer to the Calsoft® LAS-99 SDS (Safety Data Sheet) before handling. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment and observe good industrial hygiene practices. Spilled material is slippery and foams profusely when hit with a stream of water. Calsoft® LAS-99 is a corrosive strong acid. Store in 316 stainless steel or acid resistant tanks. Do not store with strong oxidizing agents.

PACKAGING

Calsoft® LAS-99 is available in 450 lb. steel drums, 480 lb. poly drums, 2300 lb. poly totes, and bulk quantities.

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

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