PILOT® CHEMICAL COMPANY

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

CALSOFT® LPS-99

PRODUCT DATA SHEET

PDS 420080.2.ACTIVE.09192024

PRODUCT DESCRIPTION

Calsoft® LPS-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® LPS-99.

COMMON CHEMICAL NAME

Linear Alkylbenzene Sulfonic Acid (Low 2-Phenyl)

CAS #

68584-22-5

TYPICAL PROPERTIES

Appearance (25°C)	Viscous brown liquid
Active (ƒ 322), wt. %	> 97.0
Unsulfonated material, wt. %	< 1.7
Sulfuric acid, wt. %	< 1.7
Color (5% active solution, #42 filter, 40mm.), Klett	< 30
Viscosity (25°C), cPs	< 1500
Density, lb./gal.	8.77
Freeze Point, °C	< -20
Shelf Life	2 Years

APPLICATIONS

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

Oil Treatment Intermediates: Calsoft® LPS-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® LPS-99 reacts with alkyl amines to produce sulfonates soluble in oil and many non-aqueous solvents.

Metal-Treating Baths: Calsoft® LPS-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.

Emulsifier
Calsoft® LPS-99, neutralized with various caustics, produces sulfonates that can be used in the textile area for dye bath leveling, the ore processing area for ore flotation and in the concrete area for air entrainment.

ADVANTAGES

Calsoft® LPS-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. The low 2-phenyl content offers different emulsification characteristics to Calsoft® LAS-99 (high 2-phenyl) for polymerization.

STORAGE & HANDLING

Refer to the Calsoft® LPS-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® LPS-99 is a corrosive strong acid. Store in 316 stainless steel or acid resistant tanks. Do not store with strong oxidizing agents.

PACKAGING

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

See 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 field or be issued.

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