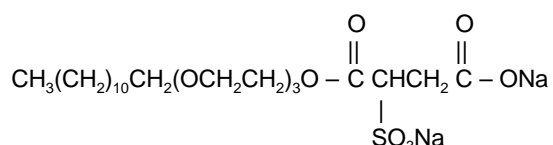


Product Name

STEPAN-MILD® SL3-BA

Chemical Structure



Chemical Description

STEPAN-MILD SL3-BA is the 30% active disodium salt of a 3 mole ethoxylated lauryl sulfosuccinate.

CAS Registry No.

68815-56-5 (Alternate 39354-45-5)

INCI Name

Disodium Laureth Sulfosuccinate

Applications

Functional Properties

- Primary or secondary surfactant
- Mild cleansing agent
- Hydrotrope

End Product Uses

- Low irritation shampoos
- Low irritation handsoaps
- Baby shampoos
- Bubble baths
- Cleansing products
- Skin fresheners
- Creams and lotions
- "Sulfate-Free" Shampoo

Typical Properties

Appearance at 25°C.....	Clear liquid
Actives, % (EW 545)	32.0
pH, 10% aqueous	6.0
Color, Gardner	1
Cloud Point (as is), °C (°F).....	-2 (29)
Boiling Point, °C (°F)	>100 (212)
Pour Point, °C (°F)	-3 (26)
Freeze Point, °C (°F)	-6 (21)
Density, g/ml (lbs/U.S. gal).....	1.033 (8.6)
Solids, %	39
Viscosity at 25°C, cps	200 max.
Viscosity at 60°C, cps	60
RVOC, U.S. EPA, %	0
Preservative	Benzoic Acid

Environmental Effects

Product is biodegradable. Additional information available upon request.

Storage Handling

Normal safety precautions (i.e. gloves and safety glasses) should be employed when handling STEPAN-MILD SL3-BA. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

It is recommended STEPAN-MILD SL3-BA be stored in sealed containers and kept at a temperature <30°C. Avoid freezing or overheating. If material is frozen, warm slowly to room temperature and agitate to ensure material is homogeneous before use. Do not expose this product to temperatures >30°C for an extended period of time. Sulfosuccinates typically display evidence of instability with storage at elevated temperatures, as indicated by a decrease in pH and an increase in the nonionic content which will increase the viscosity of SL3-BA. Stepan's recommended re-test for this product is 6 months from the date of manufacture. After 6 months, we recommend the customer re-analyze to assure product is within specification.

AMPHOSOL®, STEPAN-MILD®, and STEOL® are registered trademarks of the Stepan Company.



Workplace Exposure

Occupational exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace practices should be used to control these exposures.

Clearances

All components of STEPAN-MILD SL3-BA are listed in the following countries; the registration numbers for the active ingredients are included in parentheses: United States (TSCA 68815-56-5), Australia (AICS 68815-56-5), Canada (DSL 68815-56-5), China (IECSC 68815-56-5), Japan (ENCS 7-118), Korea (ECL Serial No. KE-04863), New Zealand (NZIoC 68815-56-5), and Philippines (PICCS 68815-56-5). It is the responsibility of the end user to review the chemical control regulations for each country.

Formulation

MILD BABY SHAMPOO (#145)

This formulation is for a mild liquid shampoo that can be used for infants and children.

<u>Ingredients</u>	<u>Wt. % (as is)</u>	<u>Function</u>
1. STEPAN-MILD® SL3-BA	19.0	Primary Surfactant
2. STEOL® CS-330	17.5	Primary Surfactant
3. AMPHOSOL® CG	16.5	Foam Booster/Conditioning Agent
4. Hallstar PEG 6000 DS	2.0	Thickener
5. Citric Acid (50%)	q.s.	pH Adjuster
6. Fragrance, Dye, Preservative	q.s.	Additives
7. Sodium Chloride	q.s.	Viscosity Adjuster
8. D.I. Water	q.s. to 100.0	Solvent, Carrier

Mixing Procedure:

Add the first three components to D.I. Water with mixing and heat to 50-60 °C (122-140°). Add Hallstar PEG 6000 and mix until all solids have melted. Cool to 35°C (95°F) and adjust pH to 6.0-7.0 with citric acid. Add fragrance, dye and preservative, if desired. Adjust to desired viscosity with sodium chloride.

Physical Properties:

Appearance at 25°C.....Clear, yellow liquid
pH (as is)..... 6.0 - 7.0
Viscosity at 25°C
(as is)55 cps
with 0.5% sodium chloride 198 cps

Product Stewardship

This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

Additional Safety Information

A Material Safety Data Sheet is available upon request.

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