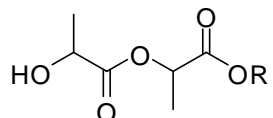


Product Bulletin

Product Name

STEPAN-MILD® L3

Chemical Structure



R = Predominantly C₁₂

Chemical Description

STEPAN-MILD L3 is the reaction product of lauryl alcohol and lactic acid

CAS Registry No.

910661-93-7

INCI Name

Lauryl Lactyl Lactate

Applications

Functional Properties

- Viscosity builder
- Foam booster/stabilizer
- Provides skin softness and moisturization
- Emulsifier
- Emollient
- Solubilizer for active ingredients (Salicylic Acid and Triclosan)

End Product Uses

- | | |
|--------------------|---------------------------------------|
| • Body Washes | • Bubble Baths |
| • Liquid Soaps | • Facial Cleansers |
| • Shampoos | • Soap Bars |
| • Creams/Lotions | • Solid and Anhydrous Antiperspirants |
| • Cosmetic Make-Up | • Hair Conditioners |

Typical Properties

Appearance at 25 °C.....	Clear liquid	Viscosity at 25 °C, cps	50
Odor	Characteristic	Color, Klett	13
Ionic Type.....	Nonionic	Refractive Index at 25 °C	1.4439
Active, %	100	Saponification Value, mg KOH/gm.....	334
Freeze Point, °C (°F).....	-16.7 (1.9)	Density, g/ml (lbs/U.S. gal).....	0.965 (8.06)
Pour Point, °C (°F)	-11.8 (10.7)	RVOC, U.S. EPA, %	0
Flash Point (PMCC), °C (°F)	>94 (>201)	Preservative	Not required
Solubility:			
	Water.....		Insoluble
	Alcohol (IPA)		Soluble
	Mineral Oil.....		Soluble

Normal safety precautions (i.e., gloves and safety goggles) should be employed with handling STEPAN-MILD L3. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

It is recommended that STEPAN-MILD L3 be stored in sealed containers and prolonged storage above 32 °C (90 °F) be avoided. Avoid overheating or freezing.

Standard Packaging: STEPAN-MILD L3 is available in drums (55 gallon) and totes.

The international inventories (country clearances) for STEPAN-MILD L3 can be found in Section 15 of the Safety Data Sheet (SDS). **It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used.** If you have any further questions regarding inventories, please contact North America Technical Service at techserv@stepan.com.

STEPAN-MILD L3 is also approved for use as a cosmetic ingredient in Japan and Korea.

STEPAN-MILD L3 meets the U.S. EPA Safe Choice Program's surfactant screen and is listed on www.cleangredients.org (an on-line database for green formulators). For further information, visit www.cleangredients.org. Additional Stepan ingredient listing can be found at www.stepan.com.

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

A Safety Data Sheet is available upon request.



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Stepan 
Corporate Headquarters
Northfield, Illinois 60093, U.S.A.
Phone: 847-446-7500
Fax: 874-501-2100
Website: www.stepan.com

For Technical Service Call:
Stepan North America **+1-800-745-7837**
Stepan Mexico **+55-11-5089-2208**
Stepan Quimica **+55-11-5089-2200**
Stepan Colombia **+571-636-2808**
Stepan Europe **+33-476-505-160**
Stepan Asia **+656-879-9855**
Stepan Philippines **+656-879-9855**

For Customer Service Call:
Stepan North America **+1-800-457-7673**
Stepan Mexico **+52-555-533-1967**
Stepan Quimica **+55-11-5089-2200**
Stepan Colombia **+57-6-8993125**
Stepan UK **+44-161-338-5511**
Stepan France **+33-476-50-51-00**
Stepan Philippines **+63-2-842-7951**