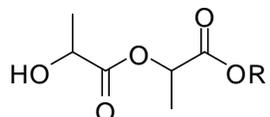


## Product Bulletin

### STEPAN-MILD® L3

Product Name

Chemical Structure



R = Predominantly C<sub>12</sub>

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](mailto: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](http://www.cleangredients.org) (an on-line database for green formulators). For further information, visit [www.cleangredients.org](http://www.cleangredients.org). Additional Stepan ingredient listing can be found at [www.stepan.com](http://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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