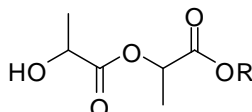


## Product Bulletin

Product Name

### STEPAN-MILD® L3

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
<u>Solubility:</u>			
Water .....	Insoluble		
Alcohol (IPA).....	Soluble		
Mineral Oil.....	Soluble		



Workplace  
Exposure

Clearances

Normal safety precautions (e.g., gloves and safety goggles) should be employed when handling STEPAN-MILD L3. Contact with eyes, nose or prolonged contact with skin should be avoided. Wash thoroughly after handling STEPAN-MILD L3. See SDS for more information.

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

**Non-Bulk Storage Recommendations:** STEPAN-MILD L3 should be stored in closed containers and kept in a cool, dry place away from incompatible materials (see Section 10 of the SDS). Avoid prolonged storage above 90°F (32°C). Avoid from overheating or freezing. If material is frozen it should be heated gently and stirred to ensure it is homogeneous prior to use.

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

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).

Product  
Stewardship

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

Additional  
Safety  
Information

A Safety Data Sheet is available upon request.



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