

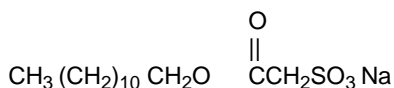


## Product Bulletin

Product Name

### LATHANOL<sup>®</sup> LAL

Chemical Structure



CAS Registry No.

1847-58-1

INCI Name

Sodium Lauryl Sulfoacetate

Applications

#### Functional Properties

- Primary/Secondary Surfactant
- Foaming Agent
- Wetting Agent
- Emulsifier
- Detergent
- Milder to the skin than ethoxylated alcohol sulfates
- Hard water stable
- Replaces soap whenever soap sensitization is found

#### End Product Uses

- Bubble Baths
- Shampoos
- Cleansing Creams
- Cream & Paste Shampoos
- Syndet Bars

Typical Properties

Appearance at 25°C..... Free flowing white powder or flake  
Actives, % (MW 345) ..... 65.0 min.  
pH, 1% aqueous ..... 6.3  
Moisture, % ..... 1.5 max.  
Alcohol Insolubles, % ..... 11.6  
Sodium Chloride, % ..... 15.0  
RVOC, U.S. EPA, % ..... 0

Biodegradability

Product is biodegradable. Additional information available upon request.

Toxicity

LATHANOL LAL is moderately to slightly toxic orally (LD<sub>50</sub> = 700 mg/kg). The product causes moderate skin irritation at 70% concentration and minimal to no eye irritation at 3% concentration.

Storage & Handling

Normal safety precautions (i.e. safety goggles, dust mask and gloves) should be employed when handling LATHANOL LAL. Contact with the eyes and prolonged contact with the skin should be avoided. Avoid inhaling the dust. Wash thoroughly after handling material. LATHANOL LAL should be used in a well-ventilated area.

It is recommended that LATHANOL LAL be stored in sealed containers and kept in a cool, dry place to insure against agglomeration and any deterioration in color. Partly used drums should be promptly resealed with drum cover and accessory clamp after twisting and tying off the poly-bag liner. Prolonged storage above 90°F(32°C) should be avoided. Avoid overheating.

Standard Packaging: LATHANOL LAL is available in 55 gallon fiber open head, unlined drums (net weight for coarse: 200 lb./90.4 kg, for flake: 150 lb./67.8 kg, for powder: 250 lb./113 kg).

Clearances

All components of LATHANOL LAL are listed in the following countries; the registration numbers for the active ingredients are included in parentheses: Europe (EINECS 217-431-7), Japan (ENCS 2-1617 or 2-2839), Canada (DSL 1847-58-1) and Australia (AICS 1847-58-1). This product conforms to Ecocert's natural and organic cosmetic standard and is 100% of natural origin.

LATHANOL LAL is available as Kosher Certified.

AMPHOSOL<sup>®</sup>, LATHANOL<sup>®</sup>, NINOL<sup>®</sup>, and STEOL<sup>®</sup> are registered trademarks of Stepan Company.



Formulations

**CLEAR GEL SHAMPOO**

<b><u>Ingredients</u></b>	<b><u>Wt. % (as is)</u></b>	<b><u>Function</u></b>
STEOL® CS-330	15.0	Secondary Surfactant
LATHANOL LAL	12.0	Primary Surfactant
AMPHOSOL® CA	4.0	Secondary Surfactant
NINOL® 49-CE	3.0	Foam/Viscosity Booster
Hydrolyzed Collagen	1.0	Conditioning Agent
Sodium Chloride	q.s.	Viscosity Adjuster
Citric Acid (50%)	q.s.	pH Adjuster
Fragrance, dye, preservative	q.s.	
D.I. Water	q.s. to 100.0	Solvent, Carrier

**Mixing Procedure:**

Add the first three ingredients to water and mix well. Heat to 55°C with continuous mixing until solution clears. Add the NINOL 49-CE and continue to mix as you let the solution come to room temperature. Blend in the hydrolyzed collagen. Adjust pH to 6.0-6.5 with the citric acid. Add fragrance, dye and preservative if desired. Add sodium chloride to adjust viscosity.

**Physical Properties:**

Appearance at 25°C..... Clear gel  
pH (as is)..... 6.0-6.5

Additional  
Safety  
Information

A Material Safety Data Sheet is available upon request.

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