

## STEPAN EUROPE

**Product Name :** LATHANOL® LAL COARSE/MB

Specifications code : PA304MB

Product function : Anionic surfactant

Supplier : STEPAN-EUROPE

Chemin Jongkind, BP127

F-38343 Voreppe Cedex - France

### Information concerning the identity of the substance

**IUPAC Name :** Sodium-2-(dodecyloxy)-2-oxoethane-1-sulphonate

**REACH Name :** Acetic acid , 2-sulfo-, mono-C12-C14 (even numbered)-alkylesters, sodium salts

**INCI Name :** Sodium lauryl sulfoacetate (associated to CAS 1847-58-1)

**CAS nbr :** Not assigned

**EINECS or EC Number :** 939-512-2

**REACH Status :** Registered – Please see SDS in section 1 for REACH Registration Number.

**Origin :** **Plant :** Coconut & Palm kernel oil (fatty alcohol)

**Animal :** No

**Synthetic :** Yes (monochloroacetic acid)

**Manufacturing process :** The lauryl alcohol is reacted with monochloroacetic acid ; this esterification step is followed by a sulfitation of the resulting lauryl chloroacetate

### Composition Information

Active content : 100% (as UVCB substance according REACH)

| Substance  | CAS Number                         | Typical % w/w  |
|--|------------------------------------|----------------|
| Acetic acid , 2-sulfo-, mono-C12-C14 (even numbered)-alkylesters, sodium salts | 1847-58-1 (alternative CAS Number) | <b>65 min.</b> |
| <b>Main other UVCB constituents (non intentionally added)</b>                  |                                    |                |
| Sodium chloride  | 7647-14-5                          | 14 typical     |
| Sodium sulphate  | 7757-82-6                          | 7 typical      |
| Aqua   | 7732-18-5                          | 1.5 max.       |
| Alcohol C12-14   | 80206-82-2                         | 3 max.         |
| Disodium sulfoacetate  | 5462-60-2                          | 3-10           |

## STEPAN EUROPE

|                             |  |
|-----------------------------|--|
| Solvent :                   | None   |
| Preservative :              | None   |
| Anti-oxidant :              | None   |
| Relevant impurities :       | Sodium chloride / Sodium sulfate / Unreacted alcohol C12-C14 / water / Disodium sulfoacetate – part of the substance (100% UVCB) |
| Free amine :                | Not applicable   |
| Nitrosamines :              | Not applicable   |
| Heavy Metals :              | Not part of our specifications and not routinely controlled – but spot analysis have been done – see separate statement          |
| Pesticides :                | None expected to be present  |
| Residues from manufacture : | No other data apart from unavoidable impurities coming from process  |
| Nanomaterials :             | Please see the statement at the end of the document  |

### Microbiological information

We do not expect the product to be the subject of microbiological growth. Therefore, this product is not submitted to any routine analytical test and does not have any microbiological specifications.

Thus, we do not routinely test this product for microbiology because it is inherently hostile to bacteria.

Stepan guarantees the microbiological integrity of its product by testing for total viable counts, yeast, moulds and pathogens.

Stepan internal test methods are consistent with the ISO standards listed below:

- ISO 18415 Cosmetics - Detection of specified and non-specified microorganisms
- ISO 21149, Cosmetics - Microbiology -- Enumeration and detection of aerobic mesophilic bacteria
- ISO 16212, Cosmetics - Microbiology - Enumeration of yeast and mould

### Toxicological data

Based on Active Ingredient (i.e. 100%)

|                             |  |
|-----------------------------|--|
| Acute oral toxicity:        | 660 mg/kg bw > LD 50 (rats) < 1650 mg/kg bw            |
| Acute dermal toxicity :     | LD 50 (rabbit) : > 2000 mg/kg bw                       |
| Skin irritation :           | No adverse effect observed (not irritating)            |
| Eye irritation :            | Strongly irritant with irreversible effects on the eye |
| Sensitization:              | Not skin sensitising                                   |
| Mutagenicity (Ames test):   | Negative   |
| Chromosomal aberration:     | Negative   |
| Repeated dose toxicity      | NOAEL = 750 mg/kg bw/day (oral route, rat)             |
| Toxicity for reproduction : | NOAEL= 1000 mg/kg bw/day (rat)                         |
| Carcinotoxicity:            | No data available                                      |
| Others :                    | None   |

### Ecotoxicological / Ecofate data

## STEPAN EUROPE

Ecotoxicology :            Fish, LC50 : 4.2 mg/l  
                                  Daphnia, EC50 : 7.9 mg/l  
                                  Algae, EC50/ 6.8 mg/l  
                                  Algae, NOEC : 0.86 mg/l

Biodegradation :        Readily biodegradable - 70,2% after 28 days (OECD 301B)

Bioaccumulation :      Low potential to bioaccumulate.

Please also refer to section 12 of the Safety Datasheet.

### Animal testing declaration

This product complies with Article 18 (on animal testing) of the European Regulation (EC) No 1223/2009 and subsequent amendments on Cosmetic Products. More specifically, we obey the deadlines of 11 March 2009 and 11 March 2013 relating to animal testing ban and the use of alternative methods.

However, under specific conditions, it is possible that this product has been tested for applications other than cosmetics if required by law in EU or outside EU. Typically, in EU, REACH (1907/2006) and CLP (1272/2008) legislation may require animal testing.

In addition, as an international company, our Global Policy on animal testing precludes any animal testing for cosmetic purposes in Europe and outside Europe. We also support the 3R approach (reduce, refine, replace) for toxicological and ecotoxicological testing.

### Absence of Allergens according 2003/15/EC

We hereby certify that we do not expect any of the allergens listed in Regulation 2003/15/EC to be present in the product mentioned above (page 1). However as we do not control them analytically we cannot commit to a complete absence.

### REGULATORY STATEMENTS

#### Product concerned : LATHANOL® LAL COARSE/MB

We confirm that this product complies with Regulation (EC) No. 1223/2009 of the European Parliament and Council of November 30, 2009 on cosmetic products.

In particular, we hereby declare that none of the substances listed in Annex II is contained in this product. We also guarantee that the content of the ingredients listed in Annex III, if existing, does not exceed the maximum allowed concentration. Because of the function of this product, Annexes IV (colorants) and VI (UV filters) are not applicable to this product.

Herewith, we confirm that this product complies with Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP); and their subsequent amendments.

Herewith, it is confirmed that this product does not contain any substances classified as CMR 1A, 1B or 2 (Carcinogenic, Mutagenic and Reprotoxic).

Herewith, we confirm that this product is manufactured from vegetable and synthetic raw materials.

## STEPAN EUROPE

This product does not contain any raw material from animal origin.

We, hereby, confirm that no nanomaterials (according to the definition available in Regulation (EC) No.1223/2009) have been intentionally manufactured or added to our STEPAN product(s): consequently, nanomaterials are NOT expected to be present in Lathanol® LAL Coarse/MB – PA304MB, you have been supplied with. Our information is based on the corresponding raw materials and manufacturing processes involved.

### REGULATORY STATEMENT – China Status

**Lathanol® LAL Coarse/MB** intentionally added components are listed on the Inventory of Existing Cosmetic Ingredients under reference No. 8277 (**IECIC - CFDA No. 2013-1, first batch, February 7, 2013, amended through CFDA No. 2015-105, December 23, 2015**)

INCI name: Sodium Lauryl Sulfoacetate, CAS 1847-58-1.

**Lathanol® LAL Coarse/MB** cannot be imported as a Cosmetic Ingredient because it is not fully listed on the Inventory of Existing Chemical Substances (IECSC - 2013 Version, January 2013, amended through MEE No. 2019-01, January 14, 2019).

**Lathanol® LAL Coarse/MB** can only be imported in a finished Cosmetic Product.

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