



# MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC, Article 31



1964400  
Reviewed on: 16/07/2014

Printing date: 12/12/2014

## 01 Identification of the substance/mixture and of the company/undertaking

- .
- *Trade name:*  
LATHANOL LAL COARSE PA304 DR05 91k
- Description  
\* Acetic acid, 2-sulfo-, mono-C12-14(even numbered)-alkyl esters, sodium  
\* salt
- Article number:  
PA304
- CAS Number:  
\* not assigned yet
- EINECS Number:  
\* 939-512-2
- Registration number  
\* 01-2119979530-32-0001 (Stepan Europe) 01-2119979530-32-0000 (Stepan UK)
- *Relevant identified uses of the substance or mixture and uses advised against*
- Application of the substance / the preparation  
Emulsifier  
Surfactant (cosmetic)  
Detergents
- *Details of the supplier of the safety data sheet*
- *Manufacturer/Supplier:*  
.  
STEPAN EUROPE  
B.P. 127  
F 38343 VOREPPE CEDEX France  
tél. (33) 4 76 50 51 00 fax. (33) 4 76 50 51 35  
\*  
.  
STEPAN UK LIMITED  
\* Bridge St, Stalybridge  
\* Cheshire, SK15 1PH  
\* ENGLAND  
\* Tel :+44(0)161 338 5511  
\* Fax :+44(0)161 303 2991
- *Further information obtainable from:*  
sds.contact@stepaneurope.com
- *Emergency telephone number:*  
\* 8:00 - 17:00 : STEPAN EUROPE, Tel :+33(0)476 505 100  
\* 8:00 - 17:00 : STEPAN UK LIMITED, Tel :+44(0)161 338 5511  
Nearest anti-poison centre or Guy's Hospital Poisons Unit,  
LONDON SE14 SER. (00 44 )(1 71) 6 35 91 91

## 02 Hazards identification

- *Classification of the substance or mixture*
- Classification according to Regulation (EC) No 1272/2008
-  GHS05  
Eye Dam. 1 - H318 Causes serious eye damage.
-  GHS07  
\* Acute Tox. 4 - H302 Harmful if swallowed.  
\*  
\* Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting  
\* effects.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC

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Xi Irritant

R 37

Irritating to respiratory system.

R 41

Risk of serious damage to eyes.

- Information concerning particular hazards for human and environment:

Do not breathe dust.

- Classification system:

Selfclassification.

- *Label elements*

- Labelling according to Regulation (EC) No 1272/2008



GHS05



GHS07

- Signal word

Danger

- Hazard statements

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

- Precautionary statements

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

- **Other hazards**

- *Results of PBT and vPvB assessment*

- PBT:

Not applicable.

- vPvB:

Not applicable.

### 03 Composition/information on ingredients

- **Chemical characterization: Substances**

**CAS-Nr.**

**Description:**

Acetic acid, 2-sulfo-, mono-C12-14(even numbered)-alkyl esters, sodium salt

- *Impurities and stabilising additives:*

**80206-82-2**

**Alcohols, C12-14**

**EC number: 279-420-3**

**N** **Xi**

**36-50**

**Eye Irrit. 2 - H319;** **Aquatic**

**Acute 1 - H400**

### 04 First aid measures

- *Description of first aid measures*

- **General information:**

Immediately remove any clothing soiled by the product.

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

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- \* **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- \* **After eye contact:**  
Rinse opened eye for several minutes under running water.  
Call a doctor immediately.
- \* **After swallowing:**  
Rinse mouth carefully.  
Do not induce vomiting; call for medical help immediately.

## 05 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray. water spray.
- **For safety reasons unsuitable extinguishing agents:**  
Water with full jet
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
In case of fire, the following can be released:  
Sulphur dioxide (SO<sub>2</sub>)  
Hydrogen chloride (HCl)  
Carbon monoxide (CO)
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.

## 06 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Avoid formation of dust.  
Use respiratory protective device against the effects of fumes/dust/ aerosol.  
Avoid contact with the eyes and skin.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**  
Allow to solidify. Pick up mechanically.  
Ensure adequate ventilation.

## 07 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of dust.  
Avoid contact with the eyes and skin.  
Wash hands before each break and after finishing work.
- **Information about fire - and explosion protection:**  
Dust can combine with air to form an explosive mixture.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Use only receptacles specifically permitted for this substance/ product.
- **Information about storage in one common storage facility:**  
Store in cool, dry place in tightly closed receptacles.
- **Further information about storage conditions:**  
Keep container tightly sealed.
- **Specific end use(s)**  
No further relevant information available.



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**08 Exposure controls/personal protection**

- **Additional information about design of technical facilities:**  
No further data; see item 7.
- **Control parameters**
- **DNEL WORKERS**
  - \* Long term exposure - systemic effects, Inhalation : DNEL = 26,45 mg/m3
  - \* Long term exposure - systemic effects, Dermal : DNEL = 9,375 mg/Kg/day
- **DNEL GENERAL POPULATION**
  - \* Long term exposure - systemic effects, Inhalation : DNEL = 6,52 mg/m3
  - \* Long term exposure - systemic effects, Dermal : DNEL = 4,6875 mg/Kg/day
  - \* Long term exposure - systemic effects, Oral : DNEL : 3,75 mg/Kg/day
- **PNEC WATER**
  - \* PNEC (freshwater) : 0,0042 mg/L
  - \* PNEC (marine water): 0,00042 mg/L
  - \* PNEC (intermittent releases) : 0,042 mg/L
- **PNEC SEDIMENT**
  - \* PNEC (freshwater): 0,253 mg/Kg
  - \* PNEC (marine water) :0,0253 mg/Kg
- **PNEC SOIL**
  - \* PNEC (soil) : 0,0479 mg/kg
- **PNEC SEWAGE TREATMENT PLANT**
  - \* PNEC (STP) : 1 mg/L
- **Ingredients with limit values where monitoring at the workplace is recommended :**  
The product does not contain any relevant quantities of materials with critical values where monitoring at the workplace is recommended.
- **Additional information:**  
The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Immediately remove all soiled and contaminated clothing  
Vacuum clean contaminated clothing. Do not blow or brush off contamination.  
Avoid contact with the eyes and skin.  
Eye wash station at proximity.
  - **Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - **Protection of hands:** The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. PVC gloves
  - **Eye protection:** Tightly sealed goggles Face protection
  - **Body protection:** Protective work clothing

**09 Physical and chemical properties**

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Chunks
<b>Colour:</b>	White
<b>Odour:</b>	Pungent
<b>Odour threshold:</b>	Not determined.

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.

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* <b>Flash point:</b>	Not applicable.
* <b>Self-igniting:</b>	306 °C Product is not selfigniting.
* <b>Danger of explosion:</b>	Product does not present an explosion hazard.
* <b>Density:</b>	Not determined.
* <b>Relative density</b>	1,3140 (20°C)
* <b>Solubility in / Miscibility with water:</b>	15,00 g/l Partly soluble.
* <b>pH-value:</b>	at 20,00 °C 5,0 - 7,5 ( 50,000 g/l water)
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.

## 10 Stability and reactivity

- *Reactivity*
- *Chemical stability*
- **Thermal decomposition / conditions to be avoided:**  
To avoid thermal decomposition do not overheat.  
Decomposes before melting.
- *Possibility of hazardous reactions*
- *Conditions to avoid*  
No further relevant information available.
- **Incompatible materials:**  
No further relevant information available.  
*Dangerous reactions*  
Corrosive action on metals.  
Reacts with acids, alkalis and oxidizing agents.
- **Hazardous decomposition products:**  
Sulphur oxides (SO<sub>x</sub>)  
Carbon monoxide and carbon dioxide

## 11 Toxicological information

- *Information on toxicological effects*
- **Acute toxicity:**
- *LD/LC50 values relevant for classification:*  
\* **Acetic acid, 2-sulfo-, mono-C12-14(even numbered)-**  
\* **alkyl esters, sodium salt**  
\* Oral, DL50: 1650 mg/kg (rat)  
\* Dermal, DL50: > 2000 mg/kg (rat)
- *Irritation / Corrosivity*
- on the skin:  
No irritant effect.
- on the eye:  
Strong irritant with the danger of severe eye injury.
- *Sensitization:*  
\* Not skin sensitizer (data available).
- **Additional toxicological information:**  
Irritant
- *Repeated dose toxicity*  
\* NOAEL (oral/subchronic; rat) : 750 mg/Kg/day
- *CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)*
- Carcinogenicity  
not classified
- Mutagenicity  
Not classified (data available).

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- Reproductive toxicity  
Not classified (data available).

## 12 Ecological information

- *Toxicity*
- Aquatic toxicity:

**Acetic acid, 2-sulfo-, mono-C12-14(even numbered)-alkyl esters, sodium salt**

fish, CL50 : 4,2 mg/l ((96h))  
daphnia, CE50 : 7,9 mg/l ((48h))  
alga, CI50 : 6,8 mg/l ((72h))  
alga, NOEC : 0,86 mg/l ((72h))

- **Persistence and degradability**

- *Other information:*

The product is readily biodegradable.

- *Bioaccumulative potential*

Log Kow < 4,5

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

- **Additional ecological information:**

- *General notes:*

Do not allow product to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- *PBT:*

Not applicable.

- *vPvB:*

Not applicable.

- **Other adverse effects**

No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**

- *Recommendation*

Must be specially treated adhering to official regulations.

Contact manufacturer for recycling information.

Do not empty into drains and avoid release to the environment. This product must be disposed in a certificated hazardous or special waste collection point.

- **Uncleaned packaging:**

- *Recommendation:*

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

If recycling is not possible, dispose according to the local regulations.

- *Recommended cleansing agents:*

Water, if necessary together with cleansing agents.

## 14 Transport information

- **UN-Number**

ADR Void

IMDG Void

IATA Void

- **UN proper shipping name**

ADR Void

IMDG Void

IATA Void

- **Transport hazard class(es)**

ADR Void

Class Void

IMDG

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* <b>Class</b>	Void
<b>IATA</b>	
* <b>Class</b>	Void
• <b>Packing group</b>	
* <b>ADR</b>	Void
* <b>IMDG</b>	Void
* <b>IATA</b>	Void
• <b>Environmental hazards:</b>	
* Not applicable.	
* <b>Segregation groups</b>	not applicable
• <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	
* Not applicable.	
• <b>Transport/Additional information:</b>	
* Not applicable.	

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Labelling according to Regulation (EC) No 1272/2008**  
This safety data sheet is in compliance with the Regulation (EC) N° 1907/2006
  - **Chemical safety assessment:**
- \* A Chemical Safety Assessment has been carried out.
- **Other data**  
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) N° 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.  
Contact point : sds.contact@stepaneurope.com

**16 Other information**

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- **Relevant phrases**
- \* H319 Causes serious eye irritation.  
\* H400 Very toxic to aquatic life.
- R 36 Irritating to eyes.  
R 50 Very toxic to aquatic organisms.
- **Department issuing MSDS:**  
Regulatory Affairs Departement
- Particular information**  
The following CAS-number 1847-58-1 may be used alternatively to the EC-number 939-512-2. They are equal for the purpose of safety.  
Alterations are indicated by asterisk \*.- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent