

# Safety Data Sheet

## ACIDE LACTIQUE



Safety Data Sheet dated 24/11/2016, version 2

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Identification of the substance:

Trade name: ACIDE LACTIQUE

CAS number: 79-33-4

EC number: 201-196-2

REACH number: 01-2119474764-39-XXXX

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:

Enological product

1.3. Details of the supplier of the safety data sheet

Company:

SOFRALAB

79 AV. A.A. Thévenet - CS11031

51530 MAGENTA - FRANCE

Tel: 0033 (0) 326 51 29 30 - Fax: 0033 (0)3 26 51 87 60

Competent person responsible for the safety data sheet:

lcq@sofralab.com

1.4. Emergency telephone number


Emergency telephone number of the company and/or of an authorised advisory centre:


ORFILA 0033 (0)1 45 42 59 59

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Warning, Skin Irrit. 2, Causes skin irritation.

 Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements:

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

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

P310 Immediately call a POISON CENTER/doctor

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P362+P364 Take off contaminated clothing and wash it before reuse.

Special Provisions:  
 None

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Special provisions according to Annex XVII of REACH and subsequent amendments:  
 None

2.3. Other hazards  
 vPvB Substances: None - PBT Substances: None

Other Hazards:  
 No other hazards

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#### SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

| Qty               | Name           | Ident. Number   | Classification  |
|-------------------|----------------|---|---|
| >= 80% -<br>< 90% | ACIDE LACTIQUE | CAS: 79-33-4<br>EC: 201-196-2<br>REACH No.: 01-21194747<br>64-39-XXXX |  3.2/2 Skin Irrit. 2 H315<br> 3.3/1 Eye Dam. 1 H318 |

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#### SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.  
**OBTAIN IMMEDIATE MEDICAL ATTENTION.**  
 Remove contaminated clothing immediately and dispose off safely.  
 After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.  
 Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. **OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.**

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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#### SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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### SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Keep ignition sources away.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

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### SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

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### SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

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N.A.

8.2. Exposure controls

Eye protection:  
 Eye glasses with side protection.

Protection for skin:  
 Protective clothing for the skin ( cotton, rubber, PVC..)

Protection for hands:  
 Gloves of full protection

Respiratory protection:  
 Not needed for normal use.

Thermal Hazards:  
 None

Environmental exposure controls:  
 None

Appropriate engineering controls:  
 None

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| Properties                                    | Value                 | Method: | Notes |
|---|-----------------------|---------|-------|
| Appearance and colour:                        | Liquid                | --      | --    |
| Odour:  | Caracteristic         | --      | --    |
| Odour threshold:                              | N.A.                  | --      | --    |
| pH:   | 1.8                   | --      | --    |
| Melting point / freezing point:               | N.A.                  | --      | --    |
| Initial boiling point and boiling range:      | 125°C                 | --      | --    |
| Flash point:                                  | >112 ° C              | --      | --    |
| Evaporation rate:                             | N.A.                  | --      | --    |
| Solid/gas flammability:                       | N.A.                  | --      | --    |
| Upper/lower flammability or explosive limits: | N.A.                  | --      | --    |
| Vapour pressure:                              | 50-44 mN/m            | --      | --    |
| Vapour density:                               | 3.11                  | --      | --    |
| Relative density:                             | 1.2 g/cm <sup>3</sup> | --      | --    |
| Solubility in water:                          | 100%                  | --      | --    |
| Solubility in oil:                            | N.A.                  | --      | --    |
| Partition coefficient (n-octanol/water):      | log Pow = -0.62       | --      | --    |
| Auto-ignition temperature:                    | N.A.                  | --      | --    |
| Decomposition temperature:                    | >200°C                | --      | --    |
| Viscosity:                                    | N.A.                  | --      | --    |
| Explosive properties:                         | N.A.                  | --      | --    |
| Oxidizing properties:                         | N.A.                  | --      | --    |

### 9.2. Other information

| Properties      | Value | Method: | Notes |
|-----------------|-------|---------|-------|
| Miscibility:    | N.A.  | --      | --    |
| Fat Solubility: | N.A.  | --      | --    |

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|               |      |    |    |
|---------------|------|----|----|
| Conductivity: | N.A. | -- | -- |
|               | N.A. | -- | -- |

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#### SECTION 10: Stability and reactivity

- 10.1. Reactivity  
Stable under normal conditions
- 10.2. Chemical stability  
Stable under normal conditions
- 10.3. Possibility of hazardous reactions  
None
- 10.4. Conditions to avoid  
High temperatures
- 10.5. Incompatible materials  
Oxydants
- 10.6. Hazardous decomposition products  
None.

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#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

Toxicological information of the mixture:  
ACIDE LACTIQUE - CAS: 79-33-4

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 7.94 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 4875 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 3730 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin Positive

Toxicological information of the main substances found in the mixture:

N.A.

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

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#### SECTION 12: Ecological information

##### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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a) Aquatic acute toxicity:

Endpoint: EC50 Daphnia = 240 mg/l - Duration h: 48

Endpoint: LC50 Fish = 320 mg/l - Duration h: 48

Endpoint: EC50 Algae = 3500 mg/l

##### 12.2. Persistence and degradability

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- N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil  
N.A.
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
None

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### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods  
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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### SECTION 14: Transport information

- 14.1. UN number  
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name  
N.A.
- 14.3. Transport hazard class(es)  
N.A.
- 14.4. Packing group  
N.A.
- 14.5. Environmental hazards  
ADR-Environmental Pollutant: No  
IMDG-Marine pollutant: No
- 14.6. Special precautions for user  
N.A.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
N.A.

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### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:  
Restrictions related to the product:  
Restriction 3  
Restrictions related to the substances contained:  
No restriction.

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Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)  
Regulation (EC) nr 648/2004 (detergents).  
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

15.2. Chemical safety assessment

No

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### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.

H318 Causes serious eye damage.

| Hazard class and hazard category | Code  | Description                    |
|----------------------------------|-------|--------------------------------|
| Skin Irrit. 2                    | 3.2/2 | Skin irritation, Category 2    |
| Eye Dam. 1                       | 3.3/1 | Serious eye damage, Category 1 |

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification  
SECTION 3: Composition/information on ingredients  
SECTION 6: Accidental release measures  
SECTION 8: Exposure controls/personal protection  
SECTION 9: Physical and chemical properties  
SECTION 11: Toxicological information  
SECTION 15: Regulatory information  
SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CLP: Classification, Labeling, Packaging.  
DNEL: Derived No Effect Level.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IATA: International Air Transport Association.

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|           |   |
|-----------|---|
| IATA-DGR: | Dangerous Goods Regulation by the "International Air Transport Association" (IATA). |
| ICAO:     | International Civil Aviation Organization.  |
| ICAO-TI:  | Technical Instructions by the "International Civil Aviation Organization" (ICAO).   |
| IMDG:     | International Maritime Code for Dangerous Goods.                                    |
| INCI:     | International Nomenclature of Cosmetic Ingredients.                                 |
| KSt:      | Explosion coefficient.  |
| LC50:     | Lethal concentration, for 50 percent of test population.                            |
| LD50:     | Lethal dose, for 50 percent of test population.                                     |
| LTE:      | Long-term exposure.   |
| PNEC:     | Predicted No Effect Concentration.  |
| RID:      | Regulation Concerning the International Transport of Dangerous Goods by Rail.       |
| STE:      | Short-term exposure.  |
| STEL:     | Short Term Exposure limit.  |
| STOT:     | Specific Target Organ Toxicity.   |
| TLV:      | Threshold Limiting Value.   |
| TWATLV:   | Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).   |
| WGK:      | German Water Hazard Class.  |