

Safety Data sheet

According to Directive 1907/2006

1039 L(+)-LACTIC 80% ACID

Creation Date: 01/12/2010 Revision date: 31/05/2017

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: 1039 Product name: L(+)-LACTIC 80% ACID Use of the substance: Analysis and chemical-pharmaceutical production

Company/undertaking identification

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Chemtrec: 800-424-9300

2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

38 Irritating to skin.
41 Risk of serious damage to eyes.

S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
39 Wear eye/face protection.

Labelling in accordance with directive 1272/2008



H-phrases

318 Causes serious eye damage.
315 Causes skin irritation.

P-phrases

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

305+351 If in eyes: Rinse cautiously with water for several minutes
338 Remove contact lenses, if present and easy to do. Continue rinsing.

Signal word : DANGER

IRRITANT

R-phrases:

Irritating to skin.

Risk of serious damage to eyes.

3. Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 79-33-4

Molecular Weight: 90,08

Chemical formula: $\text{CH}_3\text{CHOHCOOH}$

EC-No.: 200-196-2

R-phrases 38; 41

For more information about the R-Phrases text you can consult the paragraph 16

4. First aid measures

After inhalation:

Fresh air

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

After eye contact:

Rinse with abundant water, keeping eyelids open (at least 10 min)

Call the physician if sickness persists

After swallowing:

Drink lots of water

To cause vomit

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Water

Dust

Foam

Carbon dioxide

Special risks:

Combustible

6. Accidental release measures

Person-related precautionary measures:

Not to inhale steam/aerosols

Procedures for cleaning/absorption:

To gather with absorbents

To come to the elimination of the remainders

Rinse.

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed

Dry place.

Protected from light.

Do not use light-weight-metal containers

8. Exposure controls/personal protection

Personal protective equipment:

Respiratory protection:

Necessary when steam/aerosols are generated

Hand protection:

Protection gloves:

Nitrile rubber

Eye protection:

Needed

Skin and body protection:

Suitable protective clothing

Other protective equipment:

Change immediately contaminated clothes

Wash hands when work is finished

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Liquid

Colour: Colourless

Odour: Odourless

pH value: ca. 2.8

Boiling point: 122°C

Flash point: 112°C

Density (g/cm³): 1,187

Solubility: Soluble in water

log P(ow): -0.62

10. Stability and reactivity

Substances to be avoided:

Strong oxidizing agents.

Alkaline hydroxides.

Alkaline metals.

Light metals.

Hazardous decomposition products:

Carbon monoxide.

Further information:

To avoid heating.

11. Toxicological information

Acute toxicity:

DL50 (intraperitoneal, mouse): 3194 mg/kg (pure substance)

After eye contact:

Irritation

Burns

After skin contact:

Irritations

Burns

After swallowing:

Burns in oesophagus

Burns in gastrointestinal tract

Damage of kidneys

12. Ecological information

Fishes: *Salmo gairdneri* EC50: 100 mg/l

Log P(ow): -0.62

BOD5 0.45 g/g

COD 0.90 g/g

Biodegradability: High

Bioaccumulation: Bioaccumulation is not expected

Other harmful effects:

Harmful effect due to pH shift

No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal considerations

Product:

Dispose as regulated in the community countries by local regulations.

Please contact with the suitable authority in each case (Public Administration or company specialized in disposal).

Packaging:

Product packaging disposal must be disposed of in compliance with the respective local regulations.

For contaminated packaging the same measures must be adopted as for the contaminated product.

Not contaminated packaging must be disposed of as domestic residues or recycled material.

European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

14. Transport information

Overland transport ADR/RID

Sea transport IMDG

Air transport ICAO-IATA-DGR

15. Regulatory information

16. Other information

Quality Chemicals, S.L.

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Full text of R phrases mentioned in sections 2 and 3

38 Irritating to skin.

41 Risk of serious damage to eyes.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to appropriate safety precautions. It does not represent a guaranty of the properties of the product.