

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16-Nov-2016

Print date: 18-Nov-2016

Version: 3 modifiziert

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## Lactic Acid (80%)

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

#### 1.1. Product identifier

Trade name/designation:

Lactic Acid (80%)

REACH No.:

01-2119474164-39

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

Use of the substance/mixture:

Product for wine- and fruitjuice treatment.

#### 1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Eaton Technologies GmbH

Langenlonsheim Branch

An den Nahewiesen 24

55450 Langenlonsheim

Germany

Telephone: +49 6704 204-0 (Diese Nummer ist nur zu Bürozeiten besetzt.)

Telefax: +49 6704 204-121

E-mail: SDB@Eaton.com

Website: www.eaton.com/filtration

#### 1.4. Emergency telephone number

Notfallauskunft bei Vergiftungen: Giftinformationszentrum Mainz (Deutsch und Englisch). Emergency medical information: Poison information center Mainz (German and English)., 24h: +49 6131 19240

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS05

Corrosion

Signal word: Danger

Hazard components for labelling:

hazard statements for health hazards	
H315	Causes skin irritation.
H318	Causes serious eye damage.

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### Precautionary statements Prevention

P264.1	Wash hands thoroughly after handling.
P280.6	Wear eye protection/face protection.

### Precautionary statements Response

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/....
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.

### 2.3. Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

#### Description:

2-Hydroxypropionsäure

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 79-33-4 REACH No.: 01-2119474164-39	L - Milchsäure <b>Danger</b> H315-H318	10 - < 100 %

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

First aider: Pay attention to self-protection!

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. If victim is at risk of losing consciousness, position and transport on their side.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

IF ON CLOTHING: Remove contaminated clothing immediately and dispose of safely.

#### After eye contact:

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

If eye irritation persists: Get medical advice/attention.

#### After ingestion:

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Call a physician immediately.

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

Irritant

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.  
Carbon dioxide (CO<sub>2</sub>), Water spray, alcohol resistant foam, Extinguishing powder

**Unsuitable extinguishing media:**

High power water jet

#### 5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Pyrolysis products, toxic

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Dispose of waste according to applicable legislation.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Remove persons to safety. Wear personal protection equipment. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation. Special danger of slipping by leaking/spilling product.

##### 6.1.2. For emergency responders

No data available

#### 6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

**For cleaning up:**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

No data available

#### 6.5. Additional information

No data available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

In case of appropriate application, no special measures are required.  
Keep container tightly closed.

**Advices on general occupational hygiene**

Wash hands before breaks and after work.  
Use protective skin cream before handling the product.  
When using do not eat, drink, smoke, sniff.  
Remove contaminated, saturated clothing immediately.  
Wash contaminated clothing prior to re-use.

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### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels:

The floor should be leak tight, jointless and not absorbent.

Suitable floor material: Material, acid-resistant

Keep only in the original container in a cool, well-ventilated place.

Store in a cool dry place.

#### Hints on storage assembly:

Do not store together with: Acid, Base, Oxidising agent

**Storage class:** 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

#### Further information on storage conditions:

Keep container tightly closed.

Protect against: Heat, UV-radiation/sunlight

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Tightly sealed safety glasses.

##### Skin protection:

Take off immediately all contaminated clothing.

Hand protection:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Suitable material: Butyl caoutchouc (butyl rubber): > 0,7 mm

Breakthrough time (maximum wearing time): > 480 min

##### Respiratory protection:

Respiratory protection necessary at: aerosol or mist formation

Suitable respiratory protection apparatus: Filtering device (DIN EN 147) A

##### Other protection measures:

General health and safety measures:

Do not breathe gas/vapour/aerosol.

Avoid contact with skin, eyes and clothes.

Protect skin by using skin protective cream.

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

#### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

No data available

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** liquid

**Colour:** colourless - light yellow

**Odour:** odourless - fruity

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### Safety relevant basis data

parameter		at °C	Method	Remark
pH	< 2	20 °C		Gehalt an gelöster Substanz: 10 %
Melting point	18 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	110 - 130 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	> 112 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.04 - 1.22 g/cm <sup>3</sup>			
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	-0.62	20 °C		
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

Reacts with : Alkali (lye), Oxidising agent, strong; Acid, hydrofluoric acid

### 10.4. Conditions to avoid

Keep away from heat.

### 10.5. Incompatible materials

Reacts with : Alkali (lye), Oxidising agent, strong

### 10.6. Hazardous decomposition products

not known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
79-33-4	L - Milchsäure	<b>LD<sub>50</sub> oral:</b> 3,730 mg/kg (Rat) IUCLID <b>LD<sub>50</sub> dermal:</b> 2,000 mg/kg (Rabbit) IUCLID

### Skin corrosion/irritation:

OECD 404

Rabbit : Irritant

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### Eye damage/irritation:

750 µg

Risk of serious damage to eyes.

### Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

### Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

### Carcinogenicity:

Based on available data, the classification criteria are not met.

### Reproductive toxicity:

Based on available data, the classification criteria are not met.

### STOT-single exposure:

Based on available data, the classification criteria are not met.

### STOT-repeated exposure:

Based on available data, the classification criteria are not met.

### Aspiration hazard:

Based on available data, the classification criteria are not met.

### Additional information:

Other information: The usual precautionary measures are to be adhered to when handling chemicals.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Aquatic toxicity:

Acute Daphnia toxicity

EC50: 48 h

Daphnia magna (Big water flea) : 130 mg/L

Algae toxicity

ErC50: 72 h

Pseudokirchneriella subcapitata: 2800 mg/L

Acute fish toxicity:

LC50: 96 h

Brachydanio rerio (zebra-fish): 320 mg/L

Lepomis macrochirus (Bluegill) : 130 mg/L

#### Terrestrial toxicity:

not determined

#### Effects in sewage plants:

not determined

### 12.2. Persistence and degradability

#### Additional information:

Further ecological information: Readily biodegradable (according to OECD criteria).

### 12.3. Bioaccumulative potential

#### Partition coefficient: n-octanol/water:

-0.62 at °C: 20

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

### 12.6. Other adverse effects

Further ecological information: Data apply to the main component.

Do not allow to enter into surface water or drains.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

The waste code numbers according to the German Waste Catalogue are substance-related, while the Waste code numbers according to the European Waste Catalogue (EWC code) are source-related. The exact assignment to a waste code according to the EWC code can only be undertaken by the user who generates waste products from them requiring disposal.

#### Waste treatment options

##### Appropriate disposal / Package:

Non-contaminated packages may be recycled.

#### 13.2. Additional information

No data available

### SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

#### 14.1. UN-No.

not relevant

#### 14.2. UN proper shipping name

not relevant

#### 14.3. Transport hazard class(es)

not relevant

#### 14.4. Packing group

not relevant

#### 14.5. Environmental hazards

not relevant

#### 14.6. Special precautions for user

not relevant

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU legislation

No data available

##### 15.1.2. National regulations

##### [DE] National regulations

#### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe restrictions for homeworking.

#### Water hazard class (WGK)

##### WGK:

1 - schwach wassergefährdend

##### Source:

Anh. 3

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### Other regulations, restrictions and prohibition regulations

For this substance a chemical safety assessment has been carried out.

### 15.2. Chemical Safety Assessment

No data available

### 15.3. Additional information

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

No data available

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H315	Causes skin irritation.
H318	Causes serious eye damage.

### 16.6. Training advice

No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.