

Trade name: Acid lacticum 80%

Substance number: 203700

Version: 7 / CH

Date revised: 14.02.2024

Replaces Version: 6 / CH

Print date: 14.02.24

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

1.1. Product identifier

Acid lacticum 80%

Item No. 20370000

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

Use of the substance/preparation

pharmacy

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Skin Corr. 1C H314

Eye Dam. 1 H318

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P264.1 Wash hands thoroughly after handling.

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

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Trade name: Acid lacticum 80%

Substance number: 203700

Version: 7 / CH

Date revised: 14.02.2024

Replaces Version: 6 / CH

Print date: 14.02.24

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 or doctor.
 P501.3 Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains l-(+)-lactic acid

Supplemental information

EUH071 Corrosive to the respiratory tract.

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients**Hazardous ingredients****l-(+)-lactic acid**

CAS No.	79-33-4		
EINECS no.	201-196-2		
Registration no.	01-2119474164-39-0000/-0013		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)	Skin Corr. 1C	H314	
	Eye Dam. 1	H318	

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

If you feel unwell, seek medical advice (show the label where possible). Adhere to personal protective measures when giving first aid. Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water and rinse well. Remove contaminated, soaked clothing immediately and dispose of safely. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Summon a doctor immediately. Keep warm and at rest.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Symptomatic treatment (decontamination, vital functions), no specific antidote known. If necessary, give oxygen. Keep under medical supervision for at least 48 hours. Symptoms appear mostly after several hours.

Trade name: Acid lacticum 80%

Substance number: 203700

Version: 7 / CH

Date revised: 14.02.2024

Replaces Version: 6 / CH

Print date: 14.02.24

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide, Foam, Dry chemical extinguisher

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use personal protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away unprotected persons. Avoid contact with eyes and skin.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear protective equipment

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value < 200 °C

Requirements for storage rooms and vessels

Use stainless steel containers.

Storage classes

Storage category (Switzerland)	8	Caustic and corrosive substances
Storage class according to TRGS 510	8B	Non-combustible corrosive hazardous substances

Further information on storage conditions

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

Respiratory protection

If vapours occur, use filter type A (= against vapours of organic compounds) according to EN 14387.

Hand protection

Appropriate Material	Butyl rubber - Butyl
Material thickness	0.5 mm
Breakthrough time	> 480 min
Hand protection must comply with EN 374.	
Appropriate Material	Polychloroprene
Material thickness	0.5 mm
Breakthrough time	> 480 min

Trade name: Acid lacticum 80%

Substance number: 203700

Version: 7 / CH

Date revised: 14.02.2024

Replaces Version: 6 / CH

Print date: 14.02.24

Hand protection must comply with EN 374.

Appropriate Material PVC

Material thickness 0.5 mm

Breakthrough time > 480 min

Hand protection must comply with EN 374.

Appropriate Material nitrile rubber - NBR

Material thickness 0.35 mm

Breakthrough time > 480 min

Hand protection must comply with EN 374.

Eye protection

Tightly fitting safety glasses; Face shield; Eye protection must comply with EN 166.

Body protection

Boots; Clothing as usual in the chemical industry. apron

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state** liquid, clear**Colour** colourless to yellowish**Odour** characteristic**Boiling point or initial boiling point and boiling range**

Value 120 to 130 °C

Pressure 1013 hPa

Flammability

No data available

Upper and lower explosive limits

Remarks Not applicable

Flash point

Remarks Not applicable

Ignition temperature

Remarks No data available

pH value

Value < 1.2

Temperature 25 °C

Viscosity

Value 5 to 60 mPa.s

Temperature 25 °C

Partition coefficient n-octanol/water (log value)

log Pow -0.62

Density and/or relative densityValue 1.1 to 1.3 g/cm³**9.2. Other information****Solubility in water**

Remarks Completely miscible

Auto-ignition temperature

Value > 400 °C

SECTION 10: Stability and reactivity

Trade name: Acid lacticum 80%

Substance number: 203700

Version: 7 / CH

Date revised: 14.02.2024

Replaces Version: 6 / CH

Print date: 14.02.24

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Heat. Protect from direct sunlight.

10.5. Incompatible materials

Oxidising agents, Bases, Acids, Metals

10.6. Hazardous decomposition products

Toxic gases/vapours, Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****I-(+)-lactic acid**

Species	rat (female)	
LD50	3543	mg/kg
Method	US EPA OPP 81-1	

I-(+)-lactic acid

Species	Rats (male/female)	
LD50	4239.5	mg/kg
Method	OECD 401	

Acute dermal toxicity (Components)**I-(+)-lactic acid**

Species	rabbit	
LD50	> 2000	mg/kg
Method	EPA	

Acute inhalative toxicity (Components)**I-(+)-lactic acid**

Species	rat	
LC50	> 7.94	mg/l
Duration of exposure	4	h
Administration/Form	Dust/Mist	
Method	OECD 403	
Remarks	Corrosive	

Skin corrosion/irritation (Components)**I-(+)-lactic acid**

Species	rabbit
Method	OECD 404
Remarks	Irritating to skin.

I-(+)-lactic acid

Duration of exposure evaluation	1	h
	corrosive	

Serious eye damage/irritation (Components)**I-(+)-lactic acid**

Trade name: Acid lacticum 80%

Substance number: 203700

Version: 7 / CH

Date revised: 14.02.2024

Replaces Version: 6 / CH

Print date: 14.02.24

Species	dog
Duration of exposure evaluation	10 s irritant - risk of serious damage to eyes
Method	OECD 438

Sensitization (Components)

I-(+)-lactic acid	
evaluation	non-sensitizing

Mutagenicity (Components)

I-(+)-lactic acid	
evaluation	No experimental indications on genotoxicity in vivo found.

Reproduction toxicity (Components)

I-(+)-lactic acid	
evaluation	No negative effects

Carcinogenicity (Components)

I-(+)-lactic acid	
evaluation	No negative effects

Specific Target Organ Toxicity (STOT) (Components)

I-(+)-lactic acid	
Remarks	Not applicable

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)**

I-(+)-lactic acid	
Species	rainbow trout (<i>Oncorhynchus mykiss</i>)
LC50	130 mg/l
Duration of exposure	96 h
Method	EPA-660/3-75-009

Daphnia toxicity (Components)

I-(+)-lactic acid	
Species	Daphnia magna
EC50	130 mg/l
Duration of exposure	48 h
Method	OECD 202

Algae toxicity (Components)

I-(+)-lactic acid	
Species	Pseudokirchneriella subcapitata
EC50	> 2.8 g/l
Duration of exposure	72 h

I-(+)-lactic acid	
Species	Raphidocelis subcapitata

Bacteria toxicity (Components)

I-(+)-lactic acid	
--------------------------	--

Trade name: Acid lacticum 80%

Substance number: 203700

Version: 7 / CH

Date revised: 14.02.2024

Replaces Version: 6 / CH

Print date: 14.02.24

LC50	>	100		mg/l
Duration of exposure		3	h	
I-(+)-lactic acid				
Species		activated sludge		
EC50	>	88.2		mg/l
Duration of exposure		3	h	
Method		OECD 209		

12.2. Persistence and degradability**Biodegradability (Components)**

I-(+)-lactic acid
evaluation Readily biodegradable

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

log Pow -0.62

Octanol/water partition coefficient (log Pow) (Components)

I-(+)-lactic acid
log Pow -0.54
Method OECD 107

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment *****

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information

Trade name: Acid lacticum 80%




Substance number: 203700

Version: 7 / CH

Date revised: 14.02.2024

Replaces Version: 6 / CH

Print date: 14.02.24

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
14.1. UN number	3265	3265	3265
14.2. UN proper shipping name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (l-+)-lactic acid)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (l-+)-lactic acid)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (l-+)-lactic acid)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		

SECTION 15: Regulatory information

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

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

15.2. Chemical safety assessment

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

CLP categories listed in Chapter 3

Eye Dam. 1 Serious eye damage, Category 1
Skin Corr. 1C Skin corrosion, Category 1C

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.