

Trade name: Acid citricum monohydr pulv

Substance number: 060164

Version: 3 / CH

Date revised: 07.01.2019

Replaces Version: 2 / CH

Print date: 01.10.19

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

1.1. Product identifier

Acid citricum monohydr pulv

Item No. 06016400

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

Use of the substance/preparation

pharmacy, Component of cosmetic products

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)

Eye Irrit. 2 H319

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

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements ***

P264.1 Wash hands thoroughly after handling.

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

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

P337+P313 If eye irritation persists: Get medical advice/attention.

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SECTION 3: Composition/information on ingredients ***

Molecular weight

Value	210.14	g/mol
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Hazardous ingredients ***

Citric acid, monohydrate

CAS No.	5949-29-1		
EINECS no.	201-069-1		
Registration no.	01-2119457026-42-XXXX		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2	H319	

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air.

After skin contact

After contact with skin, wash immediately with plenty of water. Remove contaminated, soaked clothing immediately and dispose of safely.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical advice immediately.

After ingestion

Drink water in small gulps. Seek medical advice immediately.

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

Coughing, bleeding vomiting, Causes very strong irritations of the eyes, skin and mucous membranes.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water, Carbon dioxide, Foam, Dry powder

5.2. Special hazards arising from the substance or mixture

The product is combustible. In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Suppress vapours with water spray jet. Do not discharge into surface waters/groundwater.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not inhale dust. Ensure adequate ventilation. Wear protective equipment. Refer to protective measures listed in Sections 7 and 8.

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6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

To pick up dry. Dampen, pick up mechanically and dispose of. Clean up affected area. Avoid raising dust.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Observe safety references and application instructions mentioned on can.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Do not use metal containers. Keep container tightly closed and dry.

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with hazardous classification/labelling

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Predicted No Effect Concentration (PNEC)****Citric acid, monohydrate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0.44	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0.044	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	1000	mg/l
Type	Freshwater sediment	
Concentration	34.6	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	3.46	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	33.1	mg/kg

8.2. Exposure controls

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General protective and hygiene measures

Wash contaminated clothing before reuse. Preventative skin protection. Wash hands and face after work.

Respiratory protection

necessary; Breathing apparatus in the event of aerosol.

Hand protection

Use	Permanent hand contact
Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	> 480 min
Use	Short-term hand contact
Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	> 480 min

Eye protection

Safety glasses

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	crystals
Colour	white
Odour	odourless
pH value	
Value	1.85
Concentration/H ₂ O	50 g/l
Temperature	25 °C
Melting point	
Value	135 to 152 °C
Flash point	
Value	173.9 °C
Method	closed cup
Vapour pressure	
Value	< 1 Pa
Temperature	25 °C
Density	
Value	1.54 g/cm ³
Temperature	20 °C
Solubility in water	
Value	appr. 880 g/l
Temperature	20 °C
Partition coefficient: n-octanol/water	
log Pow	-1.72
Temperature	20 °C
Ignition temperature	
Value	540 °C
Decomposition temperature	
Value	> 170 °C

9.2. Other information

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evaluation strongly irritant
Method OECD 405

Reproductive toxicity

Remarks No indications of toxic effects were observed in reproduction studies in animals.

Source Literature value

Experience in practice

After Swallowing: Irritates the mucous membrane.

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity**

Species golden orfe (*Leuciscus idus*)
LC50 440 to 760 mg/l
Duration of exposure 96 h
Source IUCLID

Daphnia toxicity

Species *Daphnia magna*
EC50 appr. 120 mg/l
Duration of exposure 72 h
Source IUCLID

Algae toxicity

Species *Microcystis aeruginosa* (blue alge)
IC5 80 mg/l
Duration of exposure 8 d
Source Literature value
Species *Scenedesmus quadricauda*
IC5 640 mg/l
Duration of exposure 7 d

Bacteria toxicity

Species *Pseudomonas putida*
EC5 > 10000 mg/l
Duration of exposure 16 h
Source Literature value

12.2. Persistence and degradability**Biodegradability**

Value 98 %
Duration of test 2 d
evaluation Readily eliminable from water
Method OECD 302B/ISO 9888/EEC 88/302,C
Remarks Grade of elimination: > 70%

Chemical oxygen demand (COD)

Reference substance Citric acid, anhydrous

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

log Pow -1.72
Temperature 20 °C

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12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential *****

The Substance doesn't meets PBT/vPvB-criteria

Evaluation of persistence and bioaccumulation potential (Components)**Citric acid, anhydrous**

The product contains no PBT or vPvB substances.

12.6. Other adverse effects**General information / ecology**

Do not allow it to reach soil, ground water, water bodies or sewage system.

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

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

EWC waste code

No not dispose with rubbish.

Dispose of as unused product.

EWC waste code

Should not be released into the sanitary sewer system.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	Non-dangerous goods	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

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

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H319 Causes serious eye irritation.

CLP categories listed in Chapter 3

Eye Irrit. 2 Eye irritation, Category 2

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.

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