

Trade name: Acid oxalicum

Substance number: 060288

Version: 4 / CH

Date revised: 19.06.2024

Replaces Version: 3 / CH

Print date: 19.06.24

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

1.1. Product identifier

Acid oxalicum

Item No. 06028800

Substance / product identification

INCI OXALIC ACID

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

Use of the substance/preparation

industry

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)

Acute Tox. 4 H302

Acute Tox. 4 H312

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 ***

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H318 Causes serious eye damage.

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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.
P310	Immediately call a POISON CENTER or doctor.
P330	Rinse mouth.
P501.3	Disposal in compliance with local and national regulations.

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

contains Oxalic acid dihydrate

2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****Molecular weight**

Value	126.07	g/mol
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Hazardous ingredients *****Oxalic acid dihydrate**

CAS No.	6153-56-6	
EINECS no.	612-167-2	
Registration no.	01-2119534576-33	
Concentration	>= 55	%
Classification (Regulation (EC) No. 1272/2008)		
	Acute Tox. 4	H302
	Acute Tox. 4	H312
	Eye Dam. 1	H318

ATE	oral	375	mg/kg
cATpE	dermal	1'100	mg/kg

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

Adhere to personal protective measures when giving first aid

After inhalation

Ensure supply of fresh air. Summon a doctor immediately.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash off with soap and water. Take medical treatment.

After eye contact

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

After ingestion

Do not induce vomiting. Summon a doctor immediately.

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

Treat symptomatically

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full protective suit. Do not inhale explosion and/or combustion gases.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Do not allow to enter drains or waterways. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Send in suitable containers for recovery or disposal. When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid dust formation.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. The product is combustible.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool place. Keep only in original packaging.

Hints on storage assembly

Do not store with oxidizing agents.

Storage classes

Storage category (Switzerland)	8	Caustic and corrosive substances
Storage class according to TRGS 510	13	Non- combustible solids

Further information on storage conditions

Store in a dry place

SECTION 8: Exposure controls/personal protection

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8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face before breaks and after work. Avoid contact with skin and eyes.

Respiratory protection

Dust mask; Particle filter P2; Short term: filter apparatus, Filter P3

Hand protection

Protective gloves

Appropriate Material	Natural Latex		
Material thickness	>=	0.5	mm
Breakthrough time	>=	8	h

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material	nitrile rubber - NBR		
Material thickness	>=	0.5	mm
Breakthrough time	>=	8	h

Appropriate Material	Butyl rubber - Butyl		
Material thickness	>=	0.5	mm
Breakthrough time	>=	8	h

Appropriate Material	PVC		
Material thickness	>=	0.5	mm
Breakthrough time	>=	8	h

Appropriate Material	Fluoro carbon rubber - FKM		
Material thickness	>=	0.5	mm
Breakthrough time	>=	8	h

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Crystalline powder

Colour colourless

Odour odourless

Melting point

Value	160	°C
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Boiling point or initial boiling point and boiling range

Remarks	not determined
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Flammability

Not ignitable

Flash point

Remarks	Not applicable
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Ignition temperature

Remarks	not determined
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Decomposition temperature

Remarks	No decomposition if used as prescribed.
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pH value

Value	1.3	
Concentration/H ₂ O	12.607	g/l

Viscosity**dynamic**

Remarks	Not applicable
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Partition coefficient n-octanol/water (log value)

log Pow	-1.7	
Temperature	23	°C

Vapour pressure

Remarks	not determined
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Density and/or relative density

Value	0.813		g/cm ³
Temperature	20	°C	

9.2. Other information**Solubility in water**

Value	108		g/l
Temperature	25	°C	
Remarks	miscible		

Other information

The product is capable of dust explosions. The product is combustible.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Accumulation of fine dust may entail the risk of a dust explosion in the presence of air. Exothermic reaction with: Bases, Reactions with halogenated compounds. Reactions with oxidising agents.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Ammonia. strong alkalis. Oxidising agents

10.4. Conditions to avoid

Keep away from sources of heat and ignition. Heat. Avoid dust formation.

10.5. Incompatible materials

Strong oxidising agents, Bases, Incompatible with acid chlorides and acid anhydrides.

10.6. Hazardous decomposition products

In the event of fire the following can be released: 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**

ATE	375	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**Oxalic acid dihydrate**

Species	rat
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LD50 375 mg/kg

Acute dermal toxicity

ATE 1'100 mg/kg

Method calculated value (Regulation (EC) No. 1272/2008)

Skin corrosion/irritation (Components)**Oxalic acid dihydrate**Species rabbit
evaluation non-irritant
Method OECD 404**Serious eye damage/irritation (Components)****Oxalic acid dihydrate**Species rabbit
evaluation irritant - risk of serious damage to eyes
Method OECD 405**Sensitization (Components)****Oxalic acid dihydrate**Route of exposure dermal
evaluation non-sensitizing
Method OECD 429**Mutagenicity (Components)****Oxalic acid dihydrate**evaluation No experimental information on genotoxicity in vitro available.
Method OECD 471**Carcinogenicity**

Remarks negative

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

This substance does not have endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****Oxalic acid dihydrate**Species golden orfe (*Leuciscus idus*)
LC50 160 mg/l
Duration of exposure 48 h**Daphnia toxicity (Components)****Oxalic acid dihydrate**Species Daphnia
EC50 136.9 mg/l
Duration of exposure 48 h**Bacteria toxicity (Components)****Oxalic acid dihydrate**Species *Pseudomonas putida*
EC0 1550 mg/l
Duration of exposure 72 h**12.2. Persistence and degradability**

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Biodegradability (Components)

Oxalic acid dihydrate

evaluation degradable

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

log Pow -1.7
Temperature 23 °C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment ***

The Substance does not meet PBT-criteria.
This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information / ecology

Product is slightly hazardous to water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code No not dispose with rubbish.
EWC waste code Should not be released into the sanitary sewer system.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	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 WGK 3
(Germany)

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.

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SECTION 16: Other information

Hazard statements listed in Chapter 3

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H318	Causes serious eye damage.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, Category 1

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.