



Trade name: Acid oxalicum

Substance number: 060288

Version: 1 / CH

Date revised: 13.02.12

Replaces Version: - / CH

Date of printing: 10.08.12

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

1.1. Product identifier

Acid oxalicum

Item-No. 06028800

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

Use of the substance/preparation

industry, Cosmetics, Reagent for analyses, Colours

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 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

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

Classification in accordance with EC directives

Classification Xn, R21/22

Xi, R41

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.

Precautionary statements

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



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P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P302+P352 IF ON SKIN: Wash with plenty of soap and 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 or doctor/physician.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

Harmful

R phrases

21/22 Harmful in contact with skin and if swallowed.
 41 Risk of serious damage to eyes.

S phrases

2 Keep out of the reach of children.
 25 Avoid contact with eyes.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 60 This material and its container must be disposed of as hazardous waste.

Hazardous component(s) to be indicated on label

contains Oxalic acid dihydrate

3. Composition/information on ingredients**Substance / product identification**

INCI OXALIC ACID

Molecular weight

Value 126.07 g/mol

Hazardous ingredients**Oxalic acid dihydrate**

CAS No. 6153-56-6
 EINECS no. 205-634-3
 Concentration >= 50 %
 Classification Xn, R21/22
 Xi, R41

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

Acute Tox. 4 H302
 Acute Tox. 4 H312
 Eye Dam. 1 H318

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

Adhere to personal protective measures when giving first aid.



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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 for 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

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.

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 heading "Disposal".

6.4. Reference to other sections

Information regarding personal protective measures see, chapter 8. Information regarding Waste Disposal, see chapter 13.

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 - refrain from smoking. The product is combustible.



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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool place. Keep only in the original container.

Hints on storage assembly

Do not store with oxidizing agents.

Further information on storage conditions

Store in a dry place

8. Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions when 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 eyes and skin.

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
Penetrating 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
Penetrating time	>=	8	h

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

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

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

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form Crystalline powder

Colour colourless

Odour odourless

pH

Value 1



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Melting point

Value 101 to 102 °C

Boiling point

Remarks Not determined

Flash point

Remarks Not applicable

Flammability

Not ignitable

Vapour pressureValue 21 hPa
Temperature 50 °C**Density**Value 1.635 g/cm³
Temperature 18.5 °C**Solubility in water**Value 108 g/l
Temperature 25 °C
Remarks miscible**Octanol/water partition coefficient (log Pow)**log Pow -0.7
Temperature 30 °C**Ignition temperature**

Remarks Not determined

Thermal decomposition

Remarks No decomposition if used as prescribed.

Viscosity

dynamic

9.2. Other information**Other information**

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

10. Stability and reactivity**10.4. Conditions to avoid**

Keep away from sources of heat and ignition. Heat

Thermal decomposition

Remarks No decomposition if used as prescribed.

10.5. Incompatible materials

Strong oxidising agents, Bases

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide

11. Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**



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Species	rat		
LD50		375	mg/kg

Acute dermal toxicity

Species	rat		
LD50		20000	mg/kg

Skin corrosion/irritation

valuation	irritant effect possible
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Serious eye damage/irritation

valuation	strongly irritant
Remarks	Danger acute eye damage.

Sensitization

Remarks	No sensitisation effect known.
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Carcinogenicity

Remarks	negative
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12. Ecological information**12.1. Toxicity****Fish toxicity**

Species	golden orfe (Leuciscus idus)		
LC50		160	mg/l
Duration of exposure		48	h

Daphnia toxicity

Species	Daphnia		
EC50		136.9	mg/l
Duration of exposure		48	h

Algae toxicity

Species	Microcystis aeruginosa (blue alge)		
EC0		80	mg/l
Duration of exposure		8	d

Bacteria toxicity

Species	Pseudomonas putida		
EC0		1550	mg/l
Duration of exposure		72	h

12.2. Persistence and degradability**Biodegradability**

valuation	biodegradable
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12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow)**

log Pow	-0.7		
Temperature	30	°C	

12.6. 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.

13. Disposal considerations



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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.

14. Transport information

Land transport ADR/RID

14.1. UN number

UN 3261

14.2. UN proper shipping name

CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S

14.3. Transport hazard class(es)

Class 8

Label 8

14.4. Packing group

Packing group III

Marine transport IMDG/GGVSee

14.1. UN number

UN 3261

14.2. UN proper shipping name

CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group III

14.5. Environmental hazards

no

Air transport ICAO/IATA

14.1. UN number

UN 3261

14.2. UN proper shipping name

CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group III

15. Regulatory information

16. Other information

R-phrases listed in chapter 3

21/22

Harmful in contact with skin and if swallowed.

41

Risk of serious damage to eyes.

Hazard statements listed in chapter 3

H302

Harmful if swallowed.

H312

Harmful in contact with skin.

H318

Causes serious eye damage.

Supplemental information



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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.