

Trade name: Zinci acetat dihydricus

Substance number: 068512

Version: 3 / CH

Date revised: 21.06.2023

Replaces Version: 2 / CH

Print date: 21.06.23

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

1.1. Product identifier

Zinci acetat dihydricus

Item No. 06851200

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

Use of the substance/preparation

analytics, Manufacture of pharmaceutical 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)

Acute Tox. 4 H302

Eye Dam. 1 H318

Aquatic Chronic 2 H411

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.

H318

Causes serious eye damage.

H411

Toxic to aquatic life with long lasting effects.

Precautionary statements ***

P264.1

Wash hands thoroughly after handling.

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P273 Avoid release to the environment.
 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.
 P501.3 Disposal in compliance with local and national regulations.

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

contains *** Zinc acetate 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	219.49	g/mol
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Hazardous ingredients *****Zinc acetate dihydrate**

CAS No.	5970-45-6		
EINECS no.	209-170-2		
Registration no.	01-2120119383-62-XXXX		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 4		H302
	Eye Dam. 1		H318
	Aquatic Chronic 2		H411

ATE	oral	663.8	mg/kg
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SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air.

After skin contact

Wash immediately with plenty of water for several minutes. Remove contaminated, soaked clothing immediately and dispose of safely.

After eye contact

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

After ingestion

Drink water in small gulps. Seek medical advice immediately.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing measures to suit surroundings

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5.2. Special hazards arising from the substance or mixture

Carbon monoxide (CO); Carbon dioxide (CO₂); Zinc oxides; The product is not combustible. If a fire breaks out nearby evolution of dangerous gases possible.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Do not inhale dust. Avoid dust formation. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Wear protective equipment

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

Prevent spread over a wide area (by containment with sand or earth). To pick up dry. Avoid raising dust. When picked up, treat material as prescribed under Section 13 "Disposal". Clean up affected area.

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**Storage classes**

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

Further information on storage conditions

Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****General protective and hygiene measures**

Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face after work. Observe the usual precautions for handling chemicals.

Respiratory protection

necessary; Breathing apparatus in the event of aerosol. Particle filter P2

Hand protection

Use	Permanent hand contact
Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	480 min
Hand protection must comply with EN 374.	

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

Hand protection must comply with EN 374.

Eye protection

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

Body protection

protective overalls

Environmental exposure controls

Do not allow to enter drains or water courses.

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

Physical state	solid
Colour	white
Odour	weak
Odour	of acetic acid

Melting point

Value	237	°C
Pressure	1013 hPa	

Boiling point or initial boiling point and boiling range

Value	appr. 258	°C
Pressure	1013 hPa	
Method	OECD 103	

Flammability

Not ignitable

Flash point

Remarks Not applicable

Decomposition temperature

Value	> 100	°C
Remarks	Loss of crystal water.	

pH value

Remarks weakly acidic

Viscosity**dynamic**

Remarks No data available

Vapour pressure

Remarks No data available

Density and/or relative density

Value	1.74	g/cm ³
Temperature	20 °C	

9.2. Other information**Solubility in water**

Value	appr. 435	g/l
Temperature	25 °C	

Bulk density

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Value	appr. 900	kg/m ³
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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, zinc oxide fumes

SECTION 11: Toxicological information ***

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

ATE	663.8	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)

Zinc acetate dihydrate

Species	rat	
LD50	663.8	mg/kg
Method	OECD 423	
Remarks	anhydrous	

Acute dermal toxicity (Components)

Zinc acetate dihydrate

Remarks	No data available
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Acute inhalative toxicity (Components)

Zinc acetate dihydrate

Remarks	No data available
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Skin corrosion/irritation (Components)

Zinc acetate dihydrate

Remarks	No data available
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Serious eye damage/irritation

Species	rabbit
evaluation	strongly irritant
Source	RTECS

Serious eye damage/irritation (Components)

Zinc acetate dihydrate

evaluation	irritant - risk of serious damage to eyes
Method	OECD 437
Remarks	Influence of the product with the eyes can lead to blindness.

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Sensitization (Components)

Zinc acetate dihydrate

Mutagenicity (Components)

Zinc acetate dihydrate

evaluation

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

Reproduction toxicity (Components)

Zinc acetate dihydrate

Remarks

No data available

Specific Target Organ Toxicity (STOT) (Components)

Zinc acetate dihydrate

Remarks

No data available

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.

Experience in practice

diarrhea. vomiting. failure of the cardiovascular system. After Swallowing:

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

Zinc acetate dihydrate

Species

Fathead minnow (*Pimephales promelas*)

LC50

2.46

mg/l

Duration of exposure

96

h

Method

OECD 203

Daphnia toxicity (Components)

Zinc acetate dihydrate

Species

Daphnia magna

3.72

mg/l

Duration of exposure

48

h

Method

OECD 202

Algae toxicity (Components)

Zinc acetate dihydrate

Species

Algae

2.1

mg/l

Duration of exposure

72

h

Method

OECD 201

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

Zinc acetate dihydrate

Value

99

%

Duration of test

28

d

evaluation

Readily biodegradable

Method

OECD 301 A

12.3. Bioaccumulative potential

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General information

No data available

12.4. Mobility in soil

General information

No data available

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

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

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information ***

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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	-		
14.1. UN number	3077	3077	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc acetate dihydrate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc acetate dihydrate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Zinc acetate dihydrate)
14.3. Transport hazard class(es)	9	9	9
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	3		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant 	 ENVIRONMENTALLY HAZARDOUS

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 3

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 not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H302 Harmful if swallowed.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4

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Aquatic Chronic 2
Eye Dam. 1

Hazardous to the aquatic environment, chronic, Category 2
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.