



Trade name: Zinci acetat dihydricus

Substance number: 068512

Version: 1 / CH

Date revised: 14.02.12

Replaces Version: - / CH

Date of printing: 16.08.12

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

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. 3 H302

Aquatic Chronic 1 H410

Classification in accordance with EC directives

Classification Xn, R22

N, R50/53

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Warning

Hazard statements

H302

Harmful if swallowed.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements

P262

Do not get in eyes, on skin, or on clothing.

P273

Avoid release to the environment.



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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



Dangerous for the environment

R phrases

22

Harmful if swallowed.

50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

24/25

Avoid contact with skin and eyes.

61

Avoid release to the environment. Refer to special instructions/Safety data sheets.

Hazardous component(s) to be indicated on label

contains

Zinc acetate dihydrate

3. Composition/information on ingredients**Molecular weight**

Value

219.49

g/mol

Hazardous ingredients**Zinc acetate dihydrate**

CAS No.

5970-45-6

EINECS no.

209-170-2

Concentration

>=

50

%

Classification

Xn, R22

N, R50/53

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

Acute Tox. 4

H302

Aquatic Chronic 1

H410

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

After ingestion

Drink water in small gulps. Seek medical advice immediately.



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

When inhaled or swallowed depending on the time and amount, it can give rise to the following symptoms: Coughing, Irritation of mucosa

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

The product is not combustible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Do not discharge into surface waters/groundwater.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale dust. Avoid dust formation. Ensure adequate ventilation.

6.2. Environmental precautions

Do not allow to enter 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.

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

Further information on storage conditions

Keep container tightly closed and dry.

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 when handling chemicals.

Respiratory protection

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

Hand protection

Use of the substance/preparation Permanent hand contact



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Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Penetrating time	> 480 min
Use of the substance/preparation	Short-term hand contact
Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Penetrating time	> 480 min

Eye protection

Safety glasses

Body protection

protective overalls

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

Form	solid
Colour	white
Odour	weak
Odour	of acetic acid
pH	
Value	6 to 7
Concentration/H ₂ O	50 g/l
Temperature	20 °C

Melting point

Value	237	°C
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Boiling point

Remarks	Not applicable
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Flash point

Remarks	Not applicable
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Vapour pressure

Remarks	No data available
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Density

Value	1.74	g/cm ³
Temperature	20	°C

Solubility in water

Value	430	g/l
Temperature	20	°C

Thermal decomposition

Value	> 100	°C
Remarks	Loss of crystal water.	

Viscosity

dynamic

9.2. Other information**Bulk density**

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



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10.4. Conditions to avoid

Heat

Thermal decomposition

Value	>	100	°C
Remarks	Loss of crystal water.		

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

Species	rat		
LD50		794	mg/kg
Source	RTECS		

Serious eye damage/irritation

Species	rabbit
valuation	strongly irritant
Source	RTECS

Mutagenicity

method	Value taken from the literature
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Experience in practice

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

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

Species	rainbow trout (Oncorhynchus mykiss)	
LC50	0.55	mg/l
Duration of exposure	96	h

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

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

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.

14. Transport information**Land transport ADR/RID****14.1. UN number**

UN 3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S

14.3. Transport hazard class(es)

Class	9
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Label 9

14.4. Packing group

Packing group III

Marine transport IMDG/GGVSee**14.1. UN number**

UN 3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S

14.3. Transport hazard class(es)

Class 9

14.4. Packing group

Packing group III

Air transport ICAO/IATA**14.1. UN number**

UN 3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S

14.3. Transport hazard class(es)

Class 9

14.4. Packing group

Packing group III

15. Regulatory information**16. Other information****R-phrases listed in chapter 3**

22 Harmful if swallowed.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements listed in chapter 3

H302 Harmful if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

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.