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

- Informations to product No. 2730
- Product name:

Zinkacetat-Dihydrat
Zinci acetat dihydricus
Zinc acetate dihydrate

- Supplier of the Product / responsible Company:

Caesar & Loretz GmbH
Herderstr. 31
40721 Hilden
Tel.: 02103/4994-0
Fax: 02103/32360
e-mail: info@caelo.de

- Emergency telephone:

Giftinformationszentrum Mainz
Langenbeckstr. 1, 55131 Mainz
Tel.: 06131/19240

- Relevant identified uses of the substance or mixture and uses advised against:

No further relevant information available.

- Application of the substance / mixture:

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

- GHS-Labeling Elements:



- Signal word: Danger

- H-Phrases:

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


- P-Phrases:

P280 Wear protective gloves/protective clothing/eye protection/face protection
P305 IF IN EYES
P351 Rinse continuously with water for several minutes
P273 Avoid release to the environment

Acute Tox. 4

Eye Dam. 1

Aquatic Chronic 2

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3 Composition / information on ingredients

• **Chemical characterization:**

CAS-No. Substance name

5970-45-6 Zinkacetat-Dihydrat

• **EINECS-No.:** 209-170-2

• **REACH Reg. No.:** 01-2120119383-62-0000

• **INCI-Name:** -

4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, Seek medical help immediately.
- **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Not combustible. In case of fire dangerous vapours/gases can be generated: Acetic acid.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

6 Accidental release measures


- **Personal protective measures:** Avoid dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- **Handling:** No special requirements.
- **Storage:**
- **Requirements for storage areas and containers:**
Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **Respiratory protection:** Dust protection mask.

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- **Hand protection:** Protection gloves of rubber.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** faint odour of acetic acid
- **Melting point / melting range:** 237 °C
- **Density:** (20 °C) 1,74 g/cm³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 430 g/l
- **pH-range:** (50 g/l, 20 °C) 6 - 7

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Avoid strong heating.
- **Hazardous decomposition products:** Acetic acid.
- **Additional information:** Release of crystal water after strong heating.

11 Toxicological information


- **Acute toxicity:**
LD/LD50-data relevant for hazard classification:
5970-45-6 Zinkacetat-Dihydrat
Oral: LD50: 794 mg/kg (rat)
- **Primary irritant effect:**
- **on skin:** Irritant.
- **on eyes:** Irritant effect.
- **on respiratory organs:** Irritations of mucous membranes.
- **Additional toxicological informations:** After swallowing: Diarrhea, Vomiting, Cardiovascular disorders. After inhalation: Lung edema.

12 Ecological information

- **Aquatic toxicity:**
Fish toxicity: LC50 Oncorhynchus mykiss 0,55 mg/l/96h
Toxic for water organisms. Danger for drinking water.
- **General advices:** Prevent from entering sewage water or drainage, even in small quantities.
- **Water hazard class:** 3 (self classification): very hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste or organic laboratory chemicals
- **Empty contaminated packaging:**

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- **Recommendation:** Disposal according to the local regulations.

14 Transport informations

- **Land transport according to ADR:**
- **Proper shipping name:** Environmentally hazardous substance, solid, n.o.s., Zinc acetate
- **Class:** 9
- **UN-number:** 3077
- **Packing group:** III
- **Classification code:** M7
- **Limited quantities (Table 3.4.6. ADR):** 5 kg
- **Hazard classification number:** 90
- **Special provisions (Chapter 3.3 ADR):** 274
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-A, S-F
- **Properties:** m.p.

15 Regulatory information

- **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**
The product is classified and labelled according to GHS-regulations.
- **Hazard symbols:** GHS07, GHS05, GHS09
- **Signal word:** Danger
- **H-Phrases:**
H302 Harmful if swallowed
H318 Causes serious eye damage
H411 Toxic to aquatic life with long lasting effects
- **P-Phrases:**
P280 Wear protective gloves/protective clothing/eye protection/face protection
P305 IF IN EYES
P351 Rinse continuously with water for several minutes
P273 Avoid release to the environment
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 8B

16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

- **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.