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

· **Informations to product No. 2564**

· **Product name:**

Pyridoxinhydrochlorid Pyridoxini hydrochloridum

· **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:**

H318 Causes serious eye damage

· **P-Phrases:**

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

P305 IF IN EYES

P351 Rinse continuously with water for several minutes


P313 Get medical advice/attention

Eye Dam. 1

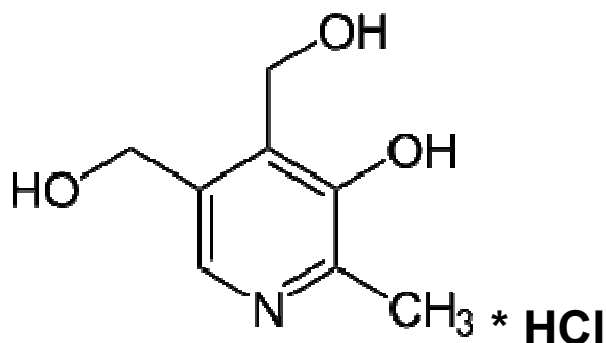
3 Composition / information on ingredients

CAS-No. Substance name

58-56-0 Pyridoxinhydrochlorid

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- **EINECS-No.:** 200-386-2
- **REACH Reg. No.:** 01-2120113157-67-0000
- **INCI-Name:** Pyridoxine HCl
- **Chemical characterization:**



4 First aid measures

- **General advices:** Remove contaminated clothing.
- **after inhalation:** Fresh air.
- **after skin contact:** Wash away with water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Rinse mouth, drink plenty of water.

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:** Combustible, but not flammable. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **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:**
- **Informations to fire or explosion protection:** Take measures to prevent electrostatic charging.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed, cool and dry at a good ventilated place.
- **Advices on common storage:** Not required.

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- **Additional informations to storage conditions:** Do not store in metal containers.

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:**
The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of rubber or latex
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 205 °C (decomposition)
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Density:** (20 °C) 0,8 g/cm³ (DIN 53194)
Bulk density: 500 kg/cbm.
- **Solubility in / Miscibility with**
- **Water:** (20 °C) ca. 200 g/l
- **pH-range:** (50 g/l, 20 °C) 2,4-3,0

10 Stability and reactivity


- **Thermal decomposition / conditions to avoid:**
Stable up to melting point.
- **Hazardous reactions:** Dust explosion possible.
- **Hazardous decomposition products:** In case of fire dangerous vapours/gases.

11 Toxicological information

- **Acute toxicity:**
LD50 (oral, rat): > 6000 mg/kg
LD50 (oral, mouse): > 6000 mg/kg
- **Sensitization:** For oversensitive persons sensitization of skin is possible after enduring intense skin contact.
- **Additional toxicological informations:**
In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Aquatic toxicity:**
Fische: Oncorhynchus mykiss LC50 (96 h) > 100 mg/l
Daphnien: Daphnia magna EC50 (48 h) > 100 mg/l (OECD 202)

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Algen: Desmodismus subspicatus EbC50 (72 h) 5,3 mg/l (OECD 201)

EbC0 (72 h) 1,2 mg/l

• **Information about elimination (persistence and degradability):**

Readily biodegradable (> 70%) OECD 302B

• **Log pOW:** -4,32

• **Water hazard class:** 1 (self classification): slightly hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

14 Transport informations

- **Land transport according to ADR:**
- Not classified as dangerous in the meaning of transport regulations.

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:** GHS05

• **Signal word:** Danger

• **H-Phrases:**

H318 Causes serious eye damage

• **P-Phrases:**

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

P305 IF IN EYES

P351 Rinse continuously with water for several minutes

P313 Get medical advice/attention

• **National regulations (Germany):**

• **Water hazard class:** see chapter 12

• **Storage class TRGS 510:** 8A

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.