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

· **Informations to product No. 5105**

· **Product name:**

5-Aminolevulinsäurehydrochlorid, API Acidi aminolevulinici 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:** Warning

· **H-Phrases:**

H315 Causes skin irritation

H319 Causes serious eye irritation

· **P-Phrases:**

P281 Use personal protective equipment as required

P305 IF IN EYES

P351 Rinse continuously with water for several minutes


3 Composition / information on ingredients

CAS-No. Substance name

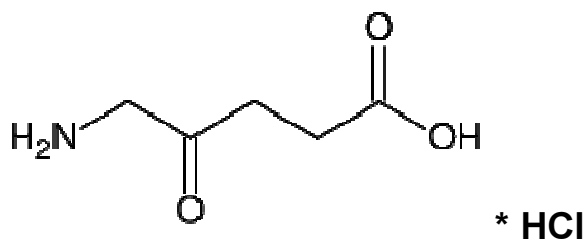
5451-09-2 5-aminolevulinsäurehydrochlorid

· **EINECS-No.:** 226-679-5

· **REACH Reg. No.:** (pre-registered)

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- **INCI-Name:** -
- **Chemical characterization:**



4 First aid measures

- **General advices:** Change contaminated clothes
- **after inhalation:** Fresh air. If feeling unwell seek medical advice..
- **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap. If irritations continue seek medical advice.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open. If irritation continues, call in ophthalmologist..
- **after swallowing:** Rinse mouth, drink plenty of water. Assure medical help.
- **Medical advice:** Symptomatic treatment.

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 gases / vapours can be released: Smoke gases.
- **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:**
- **Advice on safe handling:** If dust is generated provide exhaustion. Avoid generation and deposition of dust.
- **Informations to fire or explosion protection:** Take measures to prevent electrostatic charging. Dust can form explosive mixtures with air.
- **Storage:**

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- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. Store at a cool place (+2°C to +8°C).
- **Advices on common storage:** Do not store together with strong oxidants.
- **Additional informations to storage conditions:**
Keep container tightly closed, at a good ventilated place.

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:** Wash hands before breaks and after work. Avoid contact with eyes and skin.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of latex or rubber.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** Powder
- **Colour:** crème colour
- **Odour:** odourless
- **Melting point / melting range:** 152 °C (Decomposition)
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** soluble

10 Stability and reactivity


- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Materials to avoid:** Acids, bases, oxidants.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** Hydrogen chloride

11 Toxicological information

- **Acute toxicity:** Quantitative toxicological data are not available.
- **Primary irritant effect:**
On skin: Irritations.
In Eyes: strong irritations.

12 Ecological information

- **Ecotoxic effects:**
Quantitative ecotoxicological data for this product are not available.
- **Water hazard class:** 1 (self classification): slightly hazardous for water.

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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:** GHS07
- **Signal word:** Warning
- **H-Phrases:**
H315 Causes skin irritation
H319 Causes serious eye irritation
- **P-Phrases:**
P281 Use personal protective equipment as required
P305 IF IN EYES
P351 Rinse continuously with water for several minutes
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 11

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.