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

· **Informations to product No. 5182**

· **Product name:**

Ciclopirox-Olamin, API
Ciclopirox olaminum

· **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:**

H314 Causes severe skin burns and eye damage

H317 May cause an allergic skin reaction

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H228 Flammable solid

H410 Very toxic to aquatic life with long lasting effects

· **P-Phrases:**

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


P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P305 IF IN EYES:

P351 Rinse continuously with water for several minutes

P313 Get medical advice/attention

P273 Avoid release to the environment

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Skin Sens. 1
Resp. Sens. 2
Aquatic Chronic 1
Eye Dam. 1
Skin Corr. 1B
Flam. Sol. 2

3 Composition / information on ingredients

• **Chemical characterization:**

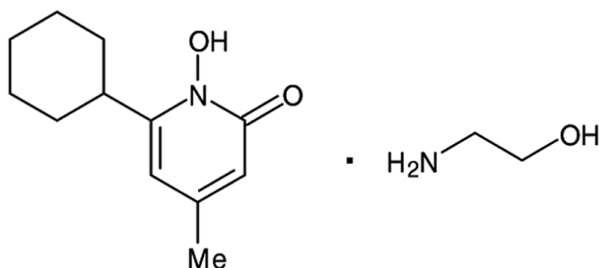
CAS-No. Substance name

41621-49-2 Ciclopirox-Olamin

• **EINECS-No.:** 255-464-9

• **REACH Reg. No.:** 01-2120139010-77-0000

• **INCI-Name:** -




4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, Seek medical help immediately. Show product-label or this MSDS.
- **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. Call in ophthalmologist.
- **after swallowing:** Drink plenty of water. Induce vomiting. Seek medical advice immediately.

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. In case of fire dangerous vapours/gases can be generated: 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.

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6 Accidental release measures:

- **Personal protective measures:** Wear protective equipment.
- **Environmental protective measures:** Prevent from entering into surface water, the ground water system or soil.
- **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:** Wear protective equipment. Good ventilation / exhaustion of working place.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store cool and dry. Protect from light.
- **Advices on common storage:** Not required.

8 Exposure controls / personal protective equipment


- **Personal protective equipment:**
- **General protective and hygiene measures:**
Keep away from food, beverages and animal food.
Wash hands before breaks and after work.
- **Respiratory protection:** Dust protection mask
- **Hand protection:** Protection gloves of latex or rubber.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 135 – 143 °C
- **Boiling point / boiling range:** not determined
- **Solubility in / Miscibility with**
- **Water:** (25 °C) 31.3 g/l
- **pH-range:** (Saturated solution) ca. 9
- **Molar Mass:** 1202,6

10 Stability and reactivity

- **Hazardous decomposition products:** At high temperatures irritant or harmful vapours are released.
- **Hazardous reactions:** Reactions with strong oxidants.

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11 Toxicological information

- **Acute toxicity:**

- **LD/LD50-data relevant for hazard classification:**

- **LD50:** (oral, rat) 2350 mg/kg

- **LD50:** (oral, mouse) 1740 mg/kg

- **Primary irritant effect:**

- **on skin:** Strong irritations

- **on eyes:** Strong irritations

- **Sensitization:** Sensitizing by inhalation and skin contact.

12 Ecological information

- **Aquatic toxicity:**

- Daphnia: EC50 (48h) 2,3 mg/l (Daphania magna)

- Algues: IC50 (72h) 0,37 mg/l

- Fishes: LC50 (96h) 0,32 - 0,56 mg/l

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

- Quantitative data about ecological effects of this product are not available.

- **General advices:** Prevent from leaking into ground water, environment waters or drainage. Danger for drinking water even if small quantities are released into soil.

- **Water hazard class:** 2 (self classification): 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:**

- **Proper shipping name:** Environmentally hazardous substance, solid, n.o.s., Ciclopirox-olamine

- **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

- **Tunnel code:** E

- **Additional informations for sea transport IMDG:**

- **EMS-No.:** F-A, S-F

- **Properties:** m.p.

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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:** GHS08, GHS05, GHS09, GHS02

• **Signal word:** Danger

• **H-Phrases:**

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• **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.