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

- **Informations to product No. 5280**
- **Product name:**

Melatonin
Melatoninum

- **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

- **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

CAS-No. Substance name

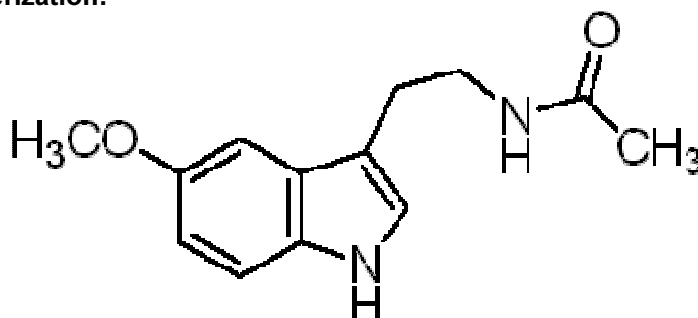
73-31-4 N-Acetyl-5-methoxytryptamin


- **EINECS-No.:** 200-797-7

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

- **INCI-Name:** Melatonin

- **Chemical characterization:**



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4 First aid measures

- **after inhalation:** Fresh air
- **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 plenty of water, Induce vomiting. If feeling unwell 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:** 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:** Good ventilation of working place. Avoid inhalation of dust. Avoid contact with substance.
- **Environmental protective measures:** Prevent substance from entering into drainage ditch, surface waters, ground water and flowing waters.
- **Methods for cleaning:** Take up dry. Avoid generation of dusts. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- **Handling:**
- **Advice on safe handling:** The usual precaution measures during handling of chemicals should be observed.
- **Requirements for storage areas and containers:** Keep container tightly closed.

8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:

Keine


- **General protective and hygiene measures:**

Wash hands before breaks and after work. Avoid inhalation of dust. Avoid contact with eyes and skin.

- **Respiratory protection:** Required if dusts are generated.
- **Hand protection:** Protection gloves of nitrile rubber or Latex.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** Crystalline powder

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- **Colour:** beige
- **Odour:** Nearly odourless
- **Melting point / melting range:** 116 – 118 °C
- **Boiling point / boiling range:** not determined
- **Explosion hazard:** The product is not explosive.
- **Solubility in / Miscibility with**
- **Water:** Not readily soluble.
- **pH-value:** (20 °C) 6,0 – 7,0

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use. Light sensitive.
- **Hazardous reactions:** Reactions with strong oxidants and acids.
- **Hazardous decomposition products:** none if used appropriately.

11 Toxicological information

- **Acute toxicity:**
LD/LD50-data relevant for hazard classification:
LD50 rat, oral: 3200 mg/kg
LD50 mouse, oral: 1250 mg/kg
- **Primary irritant effect:**
- **on eyes:** Not irritant.
- **on skin:** Not irritant.

12 Ecological information


- **Mobility and bioaccumulation potential:** Bioaccumulation is not likely.
- **Log P(o/w):** 1,65
- **Water hazard class:** 1 (self classification): slightly hazardous for water.
- **General advices:** Prevent from leaking into ground water, environment waters or drainage.

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.

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15 Regulatory information

· **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product does not need to be labelled according to GHS-regulations.

· **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.