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

· **Informations to product No. 4166**

· **Product name:**

Cetylalkohol
 Alcohol cetylicus

· **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

· **Chemical characterization:**

CAS-No. Substance name

36653-82-4 Cetyl alcohol (1-hexadecanol)

· **EINECS-No:** 253-149-0

· **REACH Reg. No.:** 01-2119485905-24-0000

· **INCI-Name:** Cetyl Alcohol


4 First aid measures

· **General advices:** No special measures required.

· **after skin contact:** Wash away with water.

· **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.

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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.

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.
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** No special measures required. Take precautionary measures against static discharges. Keep away from ignition sources: heat, sparks, open flame.
- **Storage:**
- **Requirements for storage areas and containers:**
Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C). Above the temperature limit change its properties. The product is above the temperature limit not pourable.
- **Advices on common storage:** Not required.
- **Additional informations to storage conditions:** none

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, pearls
- **Colour:** white
- **Odour:** nearly odourless
- **Melting point / melting range:** 48 - 52 °C
- **Boiling point / boiling range:** 310-360 °C
- **Flash point:** 170 °C
- **Flammability (solid, vapours):** The product is combustible but not flammable.
- **Vapour pressure:** (20 °C) 0,003 hPa

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- **Ignition Temperature:** 245 °C
- **Density:** (20 °C) 0,805 – 0,815 g/cm³
- **Solubility in / Miscibility with**
- **Water** Not soluble.
- **bulk density:** 450kg/m³

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Avoid strong heating.
- **Materials to avoid:** Strong oxidizers
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none

11 Toxicological information


- **Acute toxicity:**
LD/LD50-data relevant for hazard classification:
36653-82-4 Cetylalkohol
Oral: LD50: 5000 mg/kg (rat)
Dermal: LD50: > 5000 mg/kg (rabbit)
- **Primary irritant effect:**
- **on skin:** No irritations
- **on eyes:** Slight irritations
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Information about elimination (persistence and degradability):**
Biodegradation: readily biodegradable.
- **Aquatic toxicity:**
Fish: LC50 > 100 mg/l, Brachydanio rerio (DIN EN ISO 7346-2)
LC0 (5 d) 500 mg/l, Pimephales promelas
Daphnia: Daphnia magna (OECD 202) Keine toxische Wirkung.
Algae: EC50 (96 h) 676 mg/l, Scenedesmus subspicatus (DIN 38412)
Bacteria: EC0 > 100 mg/l, Pseudomonas putida (OECD 209)
- **Log pOW:** 6,73
- **Water hazard class:** 1 (VwVwS): 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.

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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 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.