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

· **Informations to product No. 2273**

· **Product name:**

Hydroxypropylcellulose (nominale Viskosität 300 mPa s)
KLUCEL GF®, Hydroxypropylcellulosum

· **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

9004-64-2 Hydroxypropylcellulose

· **EINECS-No.:** 618-388-0

· **REACH Reg. No.:** - (Polymer)

· **INCI-Name:** Hydroxypropylcellulose


4 First aid measures

· **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:** Drink water. Induce vomiting. 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, 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:** Wet floors with the product spilled on it can be slippery.
- **Environmental protective measures:** No special measures required.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage


- **Handling:** Avoid dust formation.
- **Advice on safe handling:** Exhaustion. Take measures to prevent electrostatic charging.
- **Informations to fire or explosion protection:** Avoid dust formation. Danger of dust explosion.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

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:** Powder
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Ignition temperature:** 370 °C
- **Explosion hazard:** Dust explosion hazard.
- **Explosion limits:**
- **lower:** 165 g/m³
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** soluble

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- **pH-range:** (20 g/l, 20 °C) 5,0 - 8,5

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**

No decomposition during appropriate use.

- **Materials to avoid:** Strong oxidizers.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on skin:** The results of repeated Insult-Patch-Tests with this product on human skin did not show any evidence for skin irritation or sensitization.
- **on eyes:** Slight irritations possible.
- **after swallowing:** low toxicity.
- **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):** Slowly biodegradable.
- **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 does not need to be labelled according to GHS-regulations.
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 11

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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.