


<p>Page 1 of 4</p> <p>Print Date 28.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Methylcellulose (nominale Viskosität 400 mPa s)</p>	 <p>Revision Date 28.11.2018</p>
-------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

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

• **Informations to product No. 4408**

• **Product name:**

**Methylcellulose (nominale Viskosität 400 mPa s)**  
**Methylcellulosum**

• **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

• **Hazard classification:** The substance is not classified as dangerous according to European Union legislation.

## 3 Composition / information on ingredients

**CAS-No. Substance name**

9004-67-5 Methylcellulose Partiell O-methylated cellulose, methylation degree 1,8

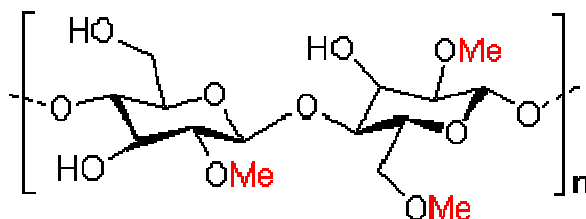
Used as E461 as thickening agent.


• **EINECS-No.:** 618-391-7

• **REACH Reg. No.:** - (Polymer)

• **INCI-Name:** Methylcellulose

• **Chemical characterization:**



<p>Page 2 of 4</p> <p>Print Date 28.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Methylcellulose (nominale Viskosität 400 mPa s)</p>	 <p>Revision Date 28.11.2018</p>
-------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

#### 4 First aid measures

- **after inhalation:** Possible discomforts: Coughing, sneezing. Bring affected person to 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.

#### 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 can be very slippery, when the product is spilled.
- **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/ventilation. 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

<p>Page 3 of 4</p> <p>Print Date 28.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Methylcellulose (nominale Viskosität 400 mPa s)</p>	 <p>Revision Date 28.11.2018</p>
-------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

- **Boiling point / boiling range:** not determined
- **Ignition temperature:** 370 °C
- **Explosion hazard:** Dust explosion hazard.
- **Solubility in / Miscibility with**
- **Water:** soluble
- **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 test-persons did not reveal sings of a primary 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 (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.

## 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):**

<p>Page 4 of 4</p> <p>Print Date 28.11.2018</p>	<p><b>Material Safety Data Sheet</b> according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Methylcellulose (nominale Viskosität 400 mPa s)</p>	 <p>Revision Date 28.11.2018</p>
-------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

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.