



# GUSTAV PARMENTIER GmbH

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## Material Safety Data Sheet acc. REACH

### HPMC Capsules, all grades

conform to Annex II (Requirements for the compilation of safety data sheets), Directive EU 2020/878

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

1.1 Product identifier HPMC Capsules

Trade Name	HPMC Capsules, all grades
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1.2 Relevant identified uses of the substance or mixture and uses advised against As vehicle for drug substances and nutritional supplements

1.3 Details of the supplier of the safety data sheet Gustav Parmentier GmbH  
Eichendorffstrasse 37  
D-60320 Frankfurt am Main  
Phone: +49 (0)69 56 10 34  
Fax: +49 (0)69 56 85 18  
e-Mail: [msds@parmentier.de](mailto:msds@parmentier.de)

1.4 Emergency telephone number Giftinformationszentrum Mainz  
Langenbeckstrasse 1  
D-55131 Mainz  
Phone: +49 (0)6131 19 24 0

## Section 2 Hazards identification

2.1 Classification of the substance or mixture Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements None

2.3 Other hazards No hazardous effects on health and environment known.

## Section 3 Composition/information on ingredients

3.2 Mixture Hydroxypropyl Methylcellulose, Carrageenan, (white capsules: Titanium Dioxide) and Water  
CAS-No.: 9004-65-3, (13463-67-7), 9000-07-1 und 7732-18-5

EC-No.: -, 232-524-2, (236-675-5) und 231-791-2

3.2.1 Description Hard Capsules composed of HPMC, carrageenan, (white capsules: titanium dioxide) and water. Do not contain any hazardous substances.



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### Section 4 First aid measures

- |     |   |  |
|-----|---|--|
| 4.1 | <b>Description of first aid measures</b>  | After eye and skin contact flush off with water.<br>After ingestion drink sufficient water. Consult a physician if feeling unwell.<br>After inhalation move affected person to fresh air. Consult a physician. |
| 4.2 | <b>Most important symptoms and effects, both acute and delayed</b>                | No data available  |
| 4.3 | <b>Indication of any immediate medical attention and special treatment needed</b> | If problems resist, consult a physician.   |

### Section 5 Firefighting measures

- |     |  |   |
|-----|--|---|
| 5.1 | <b>Extinguishing media</b>                                   | All known extinguishing agents                          |
| 5.2 | <b>Special hazards arising from the substance or mixture</b> | No data available                                       |
| 5.3 | <b>Advice for firefighters</b>                               | Use air supplied equipment for fighting interior fires. |

### Section 6 Accidental release measures

- |     |  |  |
|-----|--|--|
| 6.1 | <b>Personal precautions, protective equipment and emergency procedures</b> | None   |
| 6.2 | <b>Environmental precautions</b>   | Keep away in larger quantities from bodies of water or sewage systems.                               |
| 6.3 | <b>Methods and material for containment and cleaning up</b>                | Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal. |
| 6.4 | <b>Reference to other sections</b>   | For disposal see section 13.   |

### Section 7 Handling and storage

- |     |   |  |
|-----|---|--|
| 7.1 | <b>Precautions for safe handling</b>                                | Normal measures for preventive fire protection.  |
| 7.2 | <b>Conditions for safe storage, including any incompatibilities</b> | Store in cool place. Keep container tightly closed in a dry and well-ventilated place. |
| 7.3 | <b>Specific end use(s)</b>  | No data available  |



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### Section 8 Exposure controls/personal protection

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|-------------------------------|--|
| <b>8.1 Control parameters</b> | Does not contain substances with maximum allowable concentrations. |
| <b>8.2 Exposure controls</b>  | General industrial hygiene practice                                |

### Section 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- |  |  |
|--|--|
| a) Physical state:   | Solid  |
| b) Colour:   | Depends on type. See specifications.   |
| c) Odour:  | Characteristic like glue   |
| d) Melting point/freezing point:                             | No melting point, glass transition at 170 - 180 °C. Browns at 190 - 200 °C, chars at 225 - 230 °C.       |
| e) Boiling point or initial boiling point and boiling range: | Decomposition before ebullition  |
| f) Flammability:   | 360 °C   |
| g) Lower and upper explosion limit:                          | No data available  |
| h) Flash point:  | No data available  |
| i) Auto-ignition temperature:                                | No data available  |
| j) Decomposition temperature:                                | No data available  |
| k) pH:   | 5.0 - 8.0 (2% w/v at 25 °C)  |
| l) Kinematic viscosity:                                      | No data available  |
| m) Solubility:   | Soluble in cold water, forming a gel; practically insoluble in hot water, chloroform, ethanol and ether. |
| n) Partition coefficient n-octanol/water (log value):        | No data available  |
| o) Vapour pressure:  | No data available  |
| p) Density and/or relative density:                          | 60 - 75 g/l depending on size  |
| q) Relative vapour density:                                  | No data available  |
| r) Particle characteristics:                                 | Depends on type. See specifications.   |

- |                              |      |
|------------------------------|------|
| <b>9.2 Other information</b> | None |
|------------------------------|------|



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### Section 10 Stability and reactivity

10.1	<b>Reactivity</b>	No data available
10.2	<b>Chemical stability</b>	Stable under normal conditions.
10.3	<b>Possibility of hazardous reactions</b>	No hazardous reactions known.
10.4	<b>Conditions to avoid</b>	No hazardous reactions known.
10.5	<b>Incompatible materials</b>	No data available
10.6	<b>Hazardous decomposition products</b>	No hazardous decomposition products known.

### Section 11 Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

a) Acute toxicity:	NOAEL (rat) > 5 g/kg
b) Skin corrosion/irritation:	No skin corrosion or irritation.
c) Serious eye damage/irritation:	No eye corrosion or irritation.
d) Respiratory or skin sensitisation:	Causes no skin sensitisation. Effect on respiratory tract is unknown.
e) Germ cell mutagenicity:	No evidence of germ cell mutagenicity.
f) Carcinogenicity:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
g) Reproductive toxicity:	No evidence of reproductive toxicity.
h) STOT-single exposure:	No data available
i) STOT-repeated exposure:	No data available
j) Aspiration hazard:	No data available

#### 11.2 Information on other hazards

11.2.1	Endocrine disrupting properties	No data available
11.2.2	Other information	None



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### Section 12 Ecological information

12.1	<b>Toxicity</b>	Water hazard class 1 (according to Annex 1 of AwSV from 18.04.2017, last updated 18.11.2021)
12.2	<b>Persistence and degradability</b>	No data available
12.3	<b>Bioaccumulative potential</b>	No data available
12.4	<b>Mobility in soil</b>	No data available
12.5	<b>Results of PBT and vPvB assessment</b>	No data available
12.6	<b>Endocrine disrupting properties</b>	No data available
12.7	<b>Other adverse effects</b>	No data available
12.8	<b>Other information</b>	None

### Section 13 Disposal considerations

13.1	<b>Waste treatment methods</b>	Remove mechanically. Burning or deposition.
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### Section 14 Transport information

14.1	<b>UN number</b>	None
14.2	<b>UN proper shipping name</b>	None
14.3	<b>Transport hazard class(es)</b>	The product is not classified in ADR/IATA/IMGD/RID - guidelines.
14.4	<b>Packing group</b>	None
14.5	<b>Environmental hazards</b>	None
14.6	<b>Special precautions for user</b>	None
14.7	<b>Maritime transport in bulk according to IMO instruments</b>	None

### Section 15 Regulatory information

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	None
15.2	<b>Chemical safety assessment</b>	No obligatory information on health and environmental protection



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### Section 16 Other Information

HPMC (E 464) is listed in Annex VIII of Regulation (EC) No 889/2008 as material that can be used for the encapsulation of foodstuff labelled as organic

No special training is required or any restriction does apply for use.

No restriction on uses.

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