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Material Safety Data Sheet acc. REACH

HPMC, all grades

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

Last update: 30.06.2023

Version: 1.2

Printed: 25.07.2023

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

1.1 Product identifier Hydroxypropyl Methylcellulose

Trade Name	HPMC, all grades
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1.2 Relevant identified uses of the substance or mixture and uses advised against Gel forming agent, binder, coating agent in pharmaceuticals, food and cosmetics.

1.3 Details of the supplier of the safety data sheet Gustav Parmentier GmbH
Eichendorffstrasse 37
D-60320 Frankfurt am Main
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e-Mail: 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

3.1 Substance Hydroxypropyl Methylcellulose
CAS-No.: 9004-65-3
EINECS-No.: 618-389-6



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Section 4 First aid measures

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

Section 5 Firefighting measures

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

Section 6 Accidental release measures

- | | | |
|-----|--|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Use personal protective equipment. Avoid dust formation. Do not inhale vapors/ mist/ gas. |
| 6.2 | Environmental precautions | Keep away in larger quantities from bodies of water or sewage systems. |
| 6.3 | Methods and material for containment and cleaning up | Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal. |
| 6.4 | Reference to other sections | For disposal see section 13. |



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Section 7 Handling and storage

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|-----|---|---|
| 7.1 | Precautions for safe handling | Avoid formation of dust and aerosols.
Assure adequate ventilation after dust formation.
Normal measures for preventive fire protection. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Store in cool place. Keep container tightly closed in a dry and well-ventilated place. |
| 7.3 | Specific end use(s) | No data available |

Section 8 Exposure controls/personal protection

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

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

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|--|--|
| a) Physical state: | Solid |
| b) Colour: | White, whitish-beige |
| 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: | No data available |
| g) Lower and upper explosion limit: | Minimum explosion concentration: 55 g/m ³ ; Minimum ignition energy: 21 mJ |
| h) Flash point: | Not applicable |
| i) Auto-ignition temperature: | Not applicable |
| j) Decomposition temperature: | Not applicable |
| k) pH: | 5.0 - 8.0 (2% m/V at 25 °C) |
| l) Kinematic viscosity: | Depends on the type. Data on each CoA. |
| m) Solubility: | Soluble in cold water, forming a gel; practically insoluble in hot water, chloroform, ethanol and ether. |



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n) Partition coefficient n-octanol/water (log value):	No data available
o) Vapour pressure:	No data available
p) Density and/or relative density:	1.26 g/ml
q) Relative vapour density:	Not applicable
r) Particle characteristics:	No data available
9.2 Other information	Dust Explosion Class ST 1

Section 10 Stability and reactivity

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



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Section 11 Toxicological information

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

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|---------------------------------------|---|
| a) Acute toxicity: | LD50 (rat, i.p.) = 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	Toxicity	Water hazard class 1 (self assessment according to Annex 1 of AwSV from 18.04.2017, last updated 18.11.2021)
12.2	Persistence and degradability	No data available
12.3	Bioaccumulative potential	No data available
12.4	Mobility in soil	No data available
12.5	Results of PBT and vPvB assessment	No data available
12.6	Endocrine disrupting properties	No data available
12.7	Other adverse effects	No data available
12.8	Other information	None

Section 13 Disposal considerations

13.1	Waste treatment methods	Remove mechanically. Burning or deposition.
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Section 14 Transport information

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



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Section 15 Regulatory information

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

Section 16 Other Information

INCI Name: HYDROXYPROPYL METHYLCELLULOSE

E-Number: E 464

For further product information please see: www.parmentier.de