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Material Safety Data Sheet acc. REACH

Parmcel, all grades

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

Last update: 30.06.2023

Version: 1.1

Printed: 02.08.2023

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

1.1 Product identifier Microcrystalline cellulose

Trade Name	Parmcel, all grades
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1.2 Relevant identified uses of the substance or mixture and uses advised against As filler and binder for the manufacturing of tablets and capsules of pharmaceutical actives 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

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 Microcrystalline Cellulose
CAS-No.: 9004-34-6
EINECS-No: 232-674-9



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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 | Gastro-intestinal disorder |
| 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

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|-----|---------------------------|--|
| 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 |
| c) Odour: | Neutral |
| d) Melting point/freezing point: | Decomposition from 260 - 270 °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: | Not applicable |
| h) Flash point: | Not applicable |
| i) Auto-ignition temperature: | Not applicable |
| j) Decomposition temperature: | Not applicable |
| k) pH: | 5.0 - 7.5 |
| l) Kinematic viscosity: | Not applicable |
| m) Solubility: | Partly soluble in 5% (m/V) sodium hydroxide solution; practically insoluble in water, diluted acids and most organic solvents. |



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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:	0.26 - 0.33 g/ml (bulk density)
q) Relative vapour density:	Not applicable
r) Particle characteristics:	Depends on the type. See specifications.
9.2 Other information	None

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, oral) > 5 g/kg |
| b) Skin corrosion/irritation: | No skin corrosion or irritation. |
| c) Serious eye damage/irritation: | Causes mild eye irritation. |
| d) Respiratory or skin sensitisation: | Causes no skin sensitisation. Effect on respiratory tract is unknown. |
| e) Germ cell mutagenicity: | No data available |
| 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 |

Section 12 Ecological information

- | | |
|---|-------------------|
| 12.1 Toxicity | No data available |
| 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 |



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Section 13 Disposal considerations

- 13.1 **Waste treatment methods** Remove mechanically. Burning or deposition.

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

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: MICROCRYSTALLINE CELLULOSE

E-Number: E 460

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