



# GUSTAV PARMENTIER GmbH

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## Material Safety Data Sheet acc. REACH

### Parmflow SiO<sub>2</sub>

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

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Version: 1.1

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

1.1 Product identifier Colloidal Silica, anhydrous

Trade Name	Parmflow SiO <sub>2</sub>
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1.2 Relevant identified uses of the substance or mixture and uses advised against Used as adsorbent; anticaking, emulsion stabilizing, suspending and viscosity-increasing agent; also used as tablet and capsule disintegrant.

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

3.1 Substance Colloidal Anhydrous Silica / Colloidal Silicon Dioxide  
CAS-No.: 112945-52-5 / 7631-86-9  
EINECS-No.: 601-216-3 / 231-545-4



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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>                | Irritation in the respiratory tract.   |
| 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> | Use personal protective equipment. Avoid dust formation. Do not inhale vapors/ mist/ gas.            |
| 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.   |



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### Section 7 Handling and storage

- |     |   |   |
|-----|---|---|
| 7.1 | <b>Precautions for safe handling</b>                                | Avoid formation of dust and aerosols.<br>Assure adequate ventilation after dust formation.<br>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   |

### Section 8 Exposure controls/personal protection

- |     |                           |  |
|-----|---------------------------|--|
| 8.1 | <b>Control parameters</b> | TWA: 6 mg/m <sup>3</sup> (REL) [NIOSH; United States].   |
| 8.2 | <b>Exposure controls</b>  | Handle in accordance with good industrial hygiene and safety practice. Wear personal protection. If user operations generate dust, wear respirator (P1). |

### Section 9 Physical and chemical properties

- |     |  |                                       |
|-----|--|---------------------------------------|
| 9.1 | <b>Information on basic physical and chemical properties</b> |                                       |
| a)  | Physical state:  | Solid                                 |
| b)  | Colour:  | White to off-white                    |
| c)  | Odour:   | Neutral                               |
| d)  | Melting point/freezing point:                                | 1600 °C                               |
| e)  | Boiling point or initial boiling point and boiling range:    | 2230 °C [NIOSH]                       |
| f)  | Flammability:  | No data available                     |
| g)  | Lower and upper explosion limit:                             | Not applicable                        |
| h)  | Flash point:   | 250 °C                                |
| i)  | Auto-ignition temperature:                                   | Not applicable                        |
| j)  | Decomposition temperature:                                   | Not applicable                        |
| k)  | pH:  | 3.8 - 4.2 (4% w/v aqueous dispersion) |
| l)  | Kinematic viscosity:   | Not applicable                        |



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m) Solubility:	Practically insoluble in organic solvents, water and acids, except hydrofluoric acid; soluble in hot solutions of alkali hydroxide; forms a colloidal dispersion with water.
n) Partition coefficient n-octanol/water (log value):	No data available
o) Vapour pressure:	approx 0 mm Hg [NIOSH]
p) Density and/or relative density:	2.2 g/m <sup>3</sup>
q) Relative vapour density:	Not applicable
r) Particle characteristics:	Primärpartikelgröße von approx. 15 nm
<b>9.2 Other information</b>	None

### Section 10 Stability and reactivity

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

- |                                       |   |
|---------------------------------------|---|
| a) Acute toxicity:                    | LD50 (rat, oral): 3.16 g/kg<br>LD50 (rat, IV): 0.015 g/kg   |
| b) Skin corrosion/irritation:         | No skin corrosion or irritation.  |
| c) Serious eye damage/irritation:     | No eye corrosion, might cause eye irritation.   |
| d) Respiratory or skin sensitisation: | Inhalation may cause irritation to the respiratory tract.   |
| 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 data available   |
| 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>	No data available
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	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 | <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 |

### Section 16 Other Information

INCI Name: SILICA

E-Number: E 551

For further product information please see: [www.parmentier.de](http://www.parmentier.de)