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Material Safety Data Sheet acc. REACH

Gelatine, 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 Gelatine

Trade Name	Gelatine, all grades
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1.2 Relevant identified uses of the substance or mixture and uses advised against
As binder in food and pharmaceutical products.
For manufacturing of hard- and softgel-capsules.
Various technical applications.

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
Gelatine
CAS-No.: 9000-70-8
EINECS-No.: 232-554-6



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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

- | | |
|--|--|
| a) Physical state: | Solid |
| b) Colour: | White-yellow |
| c) Odour: | Characteristic |
| d) Melting point/freezing point: | Decomposition from approx. 100 °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: | 3.8 - 7.6 (1% m/V at 25 °C) |
| l) Kinematic viscosity: | Not applicable |
| m) Solubility: | Practically insoluble in acetone, chloroform, ethanol, ether and methanol; soluble in water above 40 °C. |
| n) Partition coefficient n-octanol/water (log value): | No data available |



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o) Vapour pressure:	No data available
p) Density and/or relative density:	1.28 - 1.38 g/ml
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.

Section 11 Toxicological information

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

a) Acute toxicity:	No data available
b) Skin corrosion/irritation:	No data available
c) Serious eye damage/irritation:	No data available
d) Respiratory or skin sensitisation:	No data available
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



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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 | Water hazard class 1 (according to Annex 1 of AwSV from 18.04.2017, last updated 18.11.2021) |
| 12.2 Persistence and degradability | Gelatine degrades completely:
Biological Oxygen Demand: 850 mg O ₂ /g
Chemical Oxygen Demand: 890 mg O ₂ /g |
| 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

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

Gelatine is a food and therefore need not be marked as a food additive.

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