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Material Safety Data Sheet acc. REACH

Erbotin, 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

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

1.1 Product identifier Pea Protein Isolate

Trade Name	Erbotin, all grades
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1.2 Relevant identified uses of the substance or mixture and uses advised against As binder / emulsifier in food, protein source

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 Pea Protein Isolate
CAS-No.: /
EINECS-No.: /



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Section 4 First aid measures

- | | | |
|-----|---|--|
| 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: | Light beige |
| c) Odour: | Characteristic like pea |
| d) Melting point/freezing point: | No data available |
| 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: | No data available |
| l) Kinematic viscosity: | Not applicable |
| m) Solubility: | Slightly soluble in water. |
| 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:	Approx. 0.4 g/ml (bulk density)
q) Relative vapour density:	Not applicable
r) Particle characteristics:	< 200 µm
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 | Not hazardous to water (self assessment) |
| 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. |
|------------------------------|---|

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: PEA PROTEIN

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