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Material Safety Data Sheet acc. REACH

Phytosterol Esters, all grades

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

Last update: 6/30/2023

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

1.1 Product identifier Mixed Phytosterol Esters

Trade Name	Phytosterol Esters, all grades
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1.2 Relevant identified uses of the substance or mixture and uses advised against In food preparations or supplements as LDL cholesterol reducer; as base and emollient in cosmetics.

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

3.2 Mixture Mixed Phytosterols Esterified (Esters of vegetal fatty acids and Campesterol, Stigmasterol, Beta-Sitosterol, Beta-Sitostanol and Campestanol)

3.2.1 Description Natural mixture of soy bean phytosterols esterified with vegetal oil fatty acids.



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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

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| 5.1 | Extinguishing media | Foam, Carbon dioxide, Exinguishing powder. Water is not suitable as extinguishing media. |
| 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

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| 6.1 | Personal precautions, protective equipment and emergency procedures | Use personal protective equipment. 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 | Wipe up with a cloth or sweep up and shovel. Keep in suitable, closed containers for disposal. |
| 6.4 | Reference to other sections | For disposal see section 13. |

Section 7 Handling and storage

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| 7.1 | Precautions for safe handling | 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 |



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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: | Liquid |
| b) Colour: | Yellowish |
| c) Odour: | Slightly like plant oil |
| d) Melting point/freezing point: | 43 - 48 °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: | No data available |
| h) Flash point: | No data available |
| i) Auto-ignition temperature: | No data available |
| j) Decomposition temperature: | No data available |
| k) pH: | No data available |
| l) Kinematic viscosity: | No data available |
| m) Solubility: | Insoluble in water; soluble in vegetal oils, hexane, iso-octane and 2-propanol. |
| n) Partition coefficient n-octanol/water (log value): | No data available |
| o) Vapour pressure: | No data available |
| p) Density and/or relative density: | No data available |
| q) Relative vapour density: | No data available |
| r) Particle characteristics: | No data available |
| 9.2 Other information | None |



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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	Incompatible with strong oxidizing agents.
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 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	No data available
12.2	Persistence and degradability	Moderately biodegradable. In a "28-Day Manometric Respirometry Test" 35% were degraded.
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



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Section 16 Other Information

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