

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Empet E 4

Print date: 21.06.2016

Product code: 6000013

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Empet E 4

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

feed industry

1.3. Details of the supplier of the safety data sheet

Company name:	Emsland-Stärke GmbH	
	Werk Emlichheim	
Street:	Emslandstrasse 58	
Place:	D-49824 Emlichheim	
Post-office box:	1140	
	D-49820 Emlichheim	
Telephone:	+49 (0) 5943/81-0	Telefax: +49 (0) 5943/81-205
e-mail:	info@emsland-group.de	
Internet:	www.emsland-group.de	
Responsible Department:	Documents Department - Products	

1.4. Emergency telephone number: +49 (0) 5943/81-0 (during office hours: 8:00 - 16:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This substance is not classified as hazardous according to Directive 67/548/EEC.

GHS classification

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

polypeptide of pea fruit water

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

in case of skin contact defatty behaviour.

After inhalation

Provide fresh air.

After contact with skin

Rinse with water.

After contact with eyes

Rinse immediately with plenty of water.

After ingestion

Dilute with a large quantity of water.

4.3. Indication of any immediate medical attention and special treatment needed

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in case of skin contact defatty behaviour.
not corrosive

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

All, water gives slippery floors.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

smouldering fire :Combustion produce CO₂/CO.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid skin contact. in case of skin contact defatty behaviour.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment. sediments unsolved

6.3. Methods and material for containment and cleaning up

Dust avoiding take up, rests rinse with water.

6.4. Reference to other sections

no dangerous substance

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid skin contact. Avoid dusting conditions.

Advice on protection against fire and explosion

Avoid dry heating and dusting conditions Keep away from sources of ignition - No smoking. Dust explosion risk.

Further information on handling

Use explosion-protected machinery, apparatus, suction equipment, appliances etc.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep cool and dry in closed bags.

Advice on storage compatibility

no limitations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
9005-25-8	Starch, respirable	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
9005-25-8	Starch, total inhalable	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls

Appropriate engineering controls

Care for good ventilation/absorption at work.

Protective and hygiene measures

No dangerous substance, however pay attention for universal precaution in handling with chemicals.

Eye/face protection

Under dusting conditions:
eye protection

Hand protection

Avoid skin contact.

Respiratory protection

Do not breathe dust.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Powder
Colour: yellowish
Odour: characteristic

Test method

Changes in the physical state

glowing temperature: > 550 °C

Explosive properties

dust explosive, Dust explosion category: ST 1
KSt value: 87 bar m/s
minimum ignition energy: 50 - 100 mJ

Lower explosion limits: 60 g/m³ VDI 2263

Upper explosion limits: VDI 2263

Ignition temperature: 450 °C

Water solubility: insoluble
(at 20 °C)

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

humidity
heat

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

None

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Further information

None

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Specific effects in experiment on an animal

Toxicological data are not available.

Practical experience

Observations relevant to classification

Has de-greasing effect on the skin.

SECTION 12: Ecological information

12.1. Toxicity

LC50 (fish, 96 h): > 100mg/l

EC50 (daphnia, 48 h): > 100mg/l

IC50 (algae, 72 h): > 100 mg/l

12.2. Persistence and degradability

Chemical Oxygen Demand (COD) ca. 1080 mg O₂/g

Biochemical oxygen demand (BOD) ca. 680 mg O₂/g

Biological degradation: slowly

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal number of waste from residues/unused products

020304 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING; wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation; materials unsuitable for consumption or processing

Waste disposal number of used product

020304 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING; wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation; materials unsuitable for consumption or processing

Contaminated packaging

Waste disposal according to official state regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

Inland waterways transport (ADN)

14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

Marine transport (IMDG)

14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

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Air transport (ICAO)

14.2. UN proper shipping name: Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Additional information

In accordance with Article 33 of Regulation (EC) 1907/2006 (Reach), including the last update of ECHA committee (info: <http://echa.europa.eu/candidate-list-table>) we declare that the product does not contain any substances of very high concern (SVHC list).

National regulatory information

SECTION 16: Other information