

Safety data sheet

pursuant to Regulation (EC) 1907/2006



Trade name: Silk protein special (PN264)

Revised on : 08.05.2018

Version (revision) : 1

Print date: 08.05.2018

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1. Identification of the substance or mixture and of the company/undertaking

1.1 Product identifier

Silk protein special (PN264)

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

Use of the substance/mixture

For use in cosmetic products.

Uses advised against

none 1.3

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Street: Ekokoza sro

National ID/Zip Code/City: Fryčovice 297, 73945,

Phone: Fryčovice

Fax: 07508247,

Contact person: eshop@ekokoza.cz

1.4 Emergency number:

Emergency phone number: Toxicology Information Centre, Na Bojišti 1, 128 08 Prague 2 Telephone (24/7):

+420 224 919 293, +420 224 915 402

2. Potential dangers

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

2.2.1 Hazard pictograms

2.2.2 Signal word

2.2.3 Hazard warnings

2.2.4 Safety instructions

2.3 Other hazards none

3. Composition/information on ingredients

3.1 Fabrics

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Aqueous preparation of protein hydrolysate.

CAS No. 7732-18-5,96690-41-4

EINECS/ELINCS 231-791-2,306-235-8

3.2 Mixtures Hazardous
ingredients not applicable

3.3 Note Full text of R-,
H- and EUH-phrases: see section 16.

4. First aid measures

4.1 General information

Change contaminated, soaked clothing. Remove the affected person from the danger area and lay them down. If vomiting occurs, be aware of the risk of aspiration.

4.2 After inhalation

Remove the affected person to fresh air and keep warm and rest.

4.3 After skin contact

In case of contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a doctor visit.

4.4 After eye contact

Immediately rinse carefully and thoroughly with eyewash or water. If eye irritation occurs, Consult an ophthalmologist.

4.5 After ingestion

Immediately rinse mouth and drink plenty of water. Do not induce vomiting.

4.6 Self-protection of the first aider

First aiders: Pay attention to self-protection!

4.7 Notes for the doctor

Basic medical care, decontamination, symptomatic treatment.

5. Fire-fighting measures

5.1 Suitable extinguishing agents

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Spray water, foam, extinguishing powder, Carbon dioxide (CO₂)

5.2 Unsuitable extinguishing agents
Full water jet

5.3 Special hazards arising from the substance or mixture
In case of fire may be liberated: Carbon monoxide. Do not breathe smoke.

5.4 Special protective equipment for firefighting:
Wear self-contained breathing apparatus and chemical protective suit.

5.5 Additional information
Use water spray to protect people and to cool containers in the danger area.

6. Measures in case of accidental release

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear personal protective equipment (see Chapter 8).

6.2 Environmental protection measures

Do not allow to enter drains or waterways. Do not allow to enter the subsoil/soil. Ensure that all waste water is collected and treated in a sewage treatment plant.

6.3 Methods and materials for containment and cleaning

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders).

6.4 Other Information

Clean up spills immediately.

7. Handling and storage

7.1 Protective measures for safe handling

7.1.1 Instructions for safe handling

No special precautions required. General protective and hygiene measures

Notes on general industrial hygiene

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Wash contaminated clothing before reuse. Do not eat, drink, smoke or sniff at the workplace.

Environmental protection measures

Provide a retention container, e.g. a floor pan without a drain.

7.1.1 Information on fire and explosion protection:
Common fire prevention measures.

7.2 Conditions for safe storage, taking into account any incompatibilities

7.2.1 Technical measures and storage conditions

Keep container tightly closed in a well-ventilated place. The floor should be dense, seamless and non-absorbent.

7.2.2 Packaging materials:
Keep/store only in the original container.

7.2.3 Requirements for storage rooms and containers
Store in a dry place. Keep container tightly closed.

7.2.4 Storage instructions
Storage class: Non-flammable liquids

7.2.5 Further information on storage conditions
Recommended storage temperature: + 15°C - + 25°C

7.3 Specific end use(s)
Please note the technical data sheet.

8. Exposure controls/Personal protective equipment

8.1 Parameters to be monitored

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none

8.2 Limiting and monitoring exposure

8.2.1 Appropriate engineering controls See section 7. No further measures are required.

8.2.2 Personal protective equipment Use prescribed personal protective equipment.

Respiratory protection

Personal respiratory protection is not normally required. Respiratory protection is required when:
Aerosol or mist formation

Hand protection

Wear protective gloves. Suitable glove type: DIN EN 374

Eye/face protection

Frame glasses with side protection

Skin protection

Wear suitable protective clothing when working.

General protection and hygiene measures

Soiled clothing should be washed before reuse. Avoid contact with
Avoid skin, eyes and clothing.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Look

State of aggregation	:	clear liquid
Color	:	colorless to light gel
Odor	:	corresponds

9.2 Safety-relevant basic data

Flash point (°C)	:	> 100 °C
density	:	1.0 - 1.05 (20 °C)
Steam pressure	:	No data available
Boiling point/boiling range	:	No data available
Melting point/melting range	:	No data available

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freezing point	:	No data available
Dropping point/dropping area	:	No data available
Partition coefficient n-octanol/water (log PO/W) : pH	:	No data available 3.0 - 5.0
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Evaporation rate		
/ Evaporation rate	:	No data available No data
Ignition temperature in °C	:	available No data available
Minimum ignition energy	:	No data available Not
Auto-ignition temperature (SET):		oxidizing. Not explosive.
Oxidizing properties	:	
Lower explosion limit (vol%):		
Upper explosion limit (vol%):		No data available No
conductivity	:	data available No data
Bulk density	:	available completely
Water solubility (g/L)	:	miscible No data
Solubility in other media	:	available No data
Impact sensitivity (J)	:	available
Ignitability and burning behaviour of deposited		
dusts: Burning number (BZ)		
Relative vapor density at 20 °C (air = 1)		

10. Stability and reactivity

- 10.1** Reactivity
No data available
- 10.2** Chemical stability
The product is stable when stored at normal ambient temperatures.
- 10.3** Possibility of dangerous reactions
No dangerous reactions are known.
- 10.4** Conditions to avoid
See Chapter 7. No further action is required.
- 10.5** Incompatible materials
No data available
- 10.6** Dangerous decomposition products
No dangerous decomposition products are known.

11. Toxicological information

- 11.1** Information on toxicological effects

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11.1.1 Acute oral toxicity LD50: >
2,000 mg/kg, rat Analogous
conclusion: Test was performed with a similar formulation.

11.1.2 Acute inhalation toxicity
No data available

11.1.3 Acute dermal toxicity
No data available

11.1.4 Toxicity after repeated intake (subacute, subchronic, chronic)
No data available

11.1.5 Skin corrosion/irritation
not irritating. Species: Rabbit OECD 404 Analogous
conclusion: Test was carried out with a similar preparation/
mixture. Human Skin Model (HSM) test: not irritating.

Conclusion by analogy: Test was performed with a similar preparation/mixture.

11.1.6 Eye damage/irritation
not irritating. Species: Rabbit OECD 405
Conclusion by analogy: Test was carried out with a similar preparation/mixture.

11.1.7 Sensitization
not sensitising. Species: Guinea pig OECD 406 Analogous
conclusion: Test was carried out with a similar preparation/mixture.

11.1.8 Germ cell mutagenicity/genotoxicity

No experimental evidence of in vitro mutagenicity available. The statement was derived from products of similar structure or composition.

11.1.9 Carcinogenicity

No evidence of carcinogenicity in humans. The statement was derived from products of similar structure or composition.

11.1.10 Reproductive toxicity

No experimental evidence of reproductive toxic effects. The statement was derived from products of similar structure or composition.

11.1.11 Developmental toxicity/teratogenicity

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No data available

11.1.12 Specific target organ toxicity (single exposure)

No data available

11.1.13 Specific target organ toxicity (repeated exposure)

No data available

11.1.14 Risk of aspiration

No data available

12. Environmental information

12.1 toxicity

Acute (short-term) fish toxicity

LC50: > 100 mg/L, Brachydanio rerio (zebra fish): > 100 mg/l, The product has not been tested. The statement is derived from the properties of the individual components.

Acute (short-term) toxicity to crustaceans

No data available

Acute (short-term) toxicity to algae and cyanobacteria

EC0: > 100 mg/l, activated sludge

The product has not been tested. The statement is derived from the properties of the individual components.

12.2 Persistence and degradability of abiotic degradation

No data available

Biodegradation

Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log PO/W)

No data available

Bioconcentration factor (BCF)

No data available

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Assessment/classification
No data available

12.4 Mobility in soil
No data available

12.5 Result of the determination of PBT properties
No data available

12.6 Other adverse effects
No data available

13. Disposal instructions

13.1 Waste treatment processes

The allocation of waste key numbers/waste designations must be carried out in accordance with the EAKV on a sector- and process-specific basis.

Proper disposal / product
Dispose of in accordance with official regulations.

Proper disposal / packaging

Non-contaminated and empty packaging can be recycled. Contaminated packaging should be treated like the substance.

14. Transport information

Not a dangerous good in the sense of transport regulations.

14.1 Special precautions for the user
No data available

14.2 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No data available

15. Legal provisions

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

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Water hazard class (WGK): 1 Ordinance on
Occupational Safety and Health (BetrSichV): not relevant All
ingredients
of this mixture have been (pre)registered according to the REACH regulation.

15.2 Chemical safety assessment

A chemical safety assessment ~~was~~ carried out for no
this substance.

16. Other information

16.1 Text of R-, H- and EUH-phrases (number and full text)

16.2 Additional information

The information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information is intended to give you guidance on the safe handling of the product named in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. If the product is mixed, blended or processed with other materials, or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

16.3 Change notices

The information is based on our current state of knowledge, but it does not represent a guarantee of product properties and does not establish a contractual legal relationship.