

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Pea Protein

Revision date: 25.02.2020

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

1.1. Product identifier

Pea Protein

Further trade names

Pea Protein 80, Organic

Pea Protein 80, Organic (Europe)

CAS no: -

EC no: -

1.2. Relevant identified uses of the substance or mixture

food and fodder additive

Industrial use of food, beverage and pharmacos products

1.3. Details of the supplier of the safety data sheet

| | | |
|---------------|----------------------------|--------------------------------|
| Company Name: | All Organic Treasures GmbH | |
| Street: | Am Mühlbach 38 | |
| Place: | D-87487 Wiggensbach | |
| Telephone: | +49 (0) 8370 922 80-0 | Telefax: +49 (0)8370-922 80-99 |
| e-Mail: | info@aot.de | |
| Internet: | www.aot.de | |

1.4. Emergency telephone number: Poison Emergency Center Munich Tel +49 (0)89 / 19 240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This substance is not classified as hazardous in accordance with Regulation (EC) no. 1272/2008.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word:

-

Pictograms:

-

Hazard statements

-

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Precautionary statements

| | |
|-----------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P241 | Use explosion-proof electrical/ventilating/lighting equipment. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P284 | Wear respiratory protection. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P342+P311 | If experiencing respiratory symptoms: Call a POISON CENTER/doctor. |
| P501 | Dispose of contents/container to the legal requirements according to the disposal. |

Special labelling of certain mixtures

May form explosible dust-air mixture if dispersed.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

INCI: PISUM SATIVUM PROTEIN

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. In case of discomfort consult a doctor. Medical treatment necessary.

4.2. Most important symptoms and effects, both acute and delayed

Allergic reactions, Allergic anaphylactic shock

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, extinguishing powder, alcohol resistant foam, carbon dioxide. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

difficult to ignite

Fine dust clouds can form explosive mixtures with air.

Dust explosive, Dust explosion category: ST 1

Minimum ignition temperature of a 5 mm dust layer (glowing temperature) 275°C

BZ 4: Glowing without sparks (smoldering) or slow decomposition without flame.

Special danger of slipping by leaking/spilling product.

In case of fire may be liberated: carbon black, Carbon monoxide, Carbon dioxide.

5.3. Advice for firefighters

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

Additional information

Suppress gases/vapours/mists with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Remove all sources of ignition. Take action to prevent static discharges. Use personal protection equipment.

6.2. Environmental precautions

No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Take up dust-free and set down dust-free. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation. Do not breathe dust. Ventilation systems with dust filters.

Advice on protection against fire and explosion

Not readily combustible. Keep away from sources of ignition - No smoking. Danger of dust explosion: A dust explosion is possible as a consequence of an electrostatic discharge. Fine dust clouds can form explosive mixtures with air. Dust explosive, Dust explosion category: ST 1 A dust explosion is possible as a consequence of an electrostatic discharge. Minimum ignition temperature of a 5 mm dust layer (glowing temperature) 275°C BZ 4: Glowing without sparks (smoldering) or slow decomposition without flame.

7.2. Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Store in a well-closed container in a cool, dry place.

Further information on storage conditions

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7.3. Specific end use(s)

food and fodder additive
use of food and beverage products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|--------|------------|-----|-------------------|-----------|---------------|--------|
| - | Flour dust | - | 10 | | TWA (8 h) | WEL |
| | | - | 30 | | STEL (15 min) | WEL |

Additional advice on limit values

Preventive industrial medical examinations are to be carried out.

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

Protective and hygiene measures

Take off contaminated clothing. Wash hands and face before breaks and after work and take a shower if necessary.
When using do not eat or drink.

Eye/face protection

Wear eye protection/face protection.

Hand protection

Not mandatory.

Skin protection

Wear suitable long-sleeved protective clothing.

Respiratory protection

In case of insufficient ventilation and/or dust formation respiratory protection is required. Particulate filter. The protection level (P1 - P3) is to be defined as a function of the workplace - related limit values and the actual exposure.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: solid
Colour: beige-yellow
Odour: characteristic
pH-Value (at 20 °C): not determined

Changes in the physical state

Melting point: not applicable
Initial boiling point and boiling range: not applicable
Flash point: not applicable

Flammability

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Solid: ~400 °C
 Gas: not applicable

Explosive properties

May form combustible dust concentrations in air.
 Dust explosive, Dust explosion category: ST 1
 A dust explosion is possible as a consequence of an electrostatic discharge.
 Minimum ignition temperature of a 5 mm dust layer (glowing temperature) 275°C
 BZ 4: Glowing without sparks (smoldering) or slow decomposition without flame.

Lower explosion limits: 33 vol. %
 Upper explosion limits: 100 vol. %
 Ignition temperature: ~400 °C

Auto-ignition temperature

Solid: >180 °C
 Gas: not applicable

Decomposition temperature: >400 °C

Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density: 0,6 g/cm³

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water

Solubility in other solvents

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: 100,00 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

May form combustible dust concentrations in air.

10.4. Conditions to avoid

Avoid humidity and exposure of light and air. Keep away from sources of heat and ignition. Protect from direct sunlight.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

In case of fire may be liberated: carbon black, Carbon monoxide, Carbon dioxide.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

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

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

12.2. Persistence and degradability

Biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation is to be expected.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed as PBT or vPvB.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

020110 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING; wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing; waste metal

Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

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14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D): awg - generally water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.