

Trade name: Pepsini pulvis

Substance number: 067024

Version: 6 / CH

Date revised: 17.12.2018

Replaces Version: 5 / CH

Print date: 01.10.19

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

1.1. Product identifier

Pepsini pulvis

Item No. 06702400

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

Use of the substance/preparation

biochemical research

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319

STOT SE 3 H335

Skin Irrit. 2 H315

Resp. Sens. 1 H334

Respiratory tract

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

H315

Causes skin irritation.

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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Precautionary statements

P261.1	Avoid breathing dust.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P285	In case of inadequate ventilation wear respiratory protection.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Pepsin A

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients**3.1. Substances****Hazardous ingredients****Pepsin A**

CAS No.	9001-75-6		
EINECS no.	232-629-3		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			
	Skin Irrit. 2		H315
	Eye Irrit. 2		H319
	Resp. Sens. 1		H334
	STOT SE 3		H335

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash immediately with plenty of water for several minutes. Remove contaminated, soaked clothing immediately and dispose of safely.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Summon a doctor immediately.

After ingestion

Drink water in small gulps. Seek medical advice immediately.

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

Coughing, Shortness of breath, Allergic symptoms, Irritating to respiratory system.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water, Foam, Dry powder, Carbon dioxide

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Non suitable extinguishing media

not applicable

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby evolution of dangerous gases possible.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Do not discharge into surface waters/groundwater.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Do not inhale dust. Avoid contact with eyes and skin. Ensure adequate ventilation.

6.2. Environmental precautions

Do not empty into drains. Cover drains. Retain and dispose of contaminated wash water.

6.3. Methods and material for containment and cleaning up

To pick up dry. Avoid raising dust. When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Work only in fume cupboards. Do not inhale substance.

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value 2 - 8 °C

Further information on storage conditions

Keep container tightly closed and dry.

7.3. Specific end use(s)

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SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****General protective and hygiene measures**

Wash contaminated clothing before reuse. Preventative skin protection. Wash hands and face after work.

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Short term: filter apparatus, Filter A/P2

Hand protection

Gloves

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Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	> 480 h

Eye protection

Safety glasses

Body protection

Protective clothing

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	Powder
Colour	beige
Odour	characteristic
Odour threshold	
Remarks	Not applicable
pH value	
Value	4.0 to 5.0
Concentration/H ₂ O	10 g/l
Temperature	20 °C
Melting point	
Remarks	No data available
Initial boiling point and boiling range	
Remarks	No data available
Flash point	
Remarks	Not applicable
Evaporation rate	
Remarks	No data available
Upper/lower flammability or explosive limits	
Remarks	No data available
Vapour pressure	
Remarks	No data available
Density	
Remarks	No data available
Solubility in water	
Value	appr. 10 g/l
Temperature	20 °C
Solubility(ies)	
Remarks	No data available
Partition coefficient: n-octanol/water	
Remarks	No data available
Ignition temperature	
Remarks	No data available
Decomposition temperature	
Value	> 50 °C

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Remarks denaturation

Viscosity**dynamic**

Remarks No data available

Explosive properties

evaluation Not applicable

Oxidising properties

Remarks No data available

9.2. Other information**Bulk density**Value 380 to 420 kg/m³**SECTION 10: Stability and reactivity****10.1. Reactivity**

Strong oxidising agents

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

Oxidising agents

10.4. Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

No data available.

Other information

Relevant information in Section 2:

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Remarks Harmful if swallowed.

Skin corrosion/irritation

evaluation irritant

Serious eye damage/irritation

evaluation strongly irritant

Sensitization

Remarks May cause allergic reactions of respiratory system.

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information**12.1. Toxicity**

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Bacteria toxicity

EC0	>	2.000		mg/l
Duration of exposure		7	d	
Source		Literature value		

Bacteria toxicity (Components)**Pepsin A**

EC0	>	2000		mg/l
Duration of exposure		7	d	

12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

Remarks No data available

12.6. Other adverse effects**General information / ecology**

Do not allow it to reach soil, ground water, water bodies or sewage system.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	Non-dangerous goods	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

Information for all modes of transport**14.6. Special precautions for user**

Non-dangerous goods

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany)	WGK 3
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Remarks Classification according to Annex 4 VwVwS

15.2. Chemical safety assessment

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

SECTION 16: Other information

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Hazard statements listed in Chapter 3

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

CLP categories listed in Chapter 3

Eye Irrit. 2	Eye irritation, Category 2
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Irrit. 2	Skin irritation, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.