

Trade name: Bentonitum

Substance number: 061686

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 01.10.19

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

1.1. Product identifier

Bentonitum

Item No. 06168600

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)

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STOT SE 3 H335

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 ***

Warning

Hazard statements ***

H335 May cause respiratory irritation.

Precautionary statements ***

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTRE or doctor if you feel unwell.

P405 Store locked up.

P501.3 Disposal in compliance with local and national regulations.

SECTION 3: Composition/information on ingredients ***

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Further ingredients *****Bentonite**

CAS No. 1302-78-9

EINECS no. 215-108-5

Concentration

>= 95 %

Advice: [4]

Note

[4] Voluntary information

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

In the event of symptoms take medical treatment. Remove the casualty into fresh air and keep him calm. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Consult a doctor if skin irritation persists. Remove contaminated, soaked clothing immediately and dispose of safely. Wash off immediately with soap and water and rinse well.

After eye contact

Summon a doctor immediately. Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Summon a doctor immediately. Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious).

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

Water spray jet, Carbon dioxide, Dry chemical extinguisher, Foam

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. Use personal protective clothing.

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

Ensure adequate ventilation. Avoid dust formation.

6.2. Environmental precautions

Do not empty into drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal. When picked up, treat material as prescribed under Section 13 "Disposal".

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in application area.
Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid dust formation.
Wear protective equipment

7.2. Conditions for safe storage, including any incompatibilities

Hints on storage assembly

Do not store with strong oxidizing agents. Do not store together with: Alkalies

Further information on storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in original containers.

SECTION 8: Exposure controls/personal protection ***

8.2. Exposure controls

General protective and hygiene measures

Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Provide adequate ventilation. Wash hands before breaks and after work.

Respiratory protection

Self-contained breathing apparatus.

Hand protection

Protective gloves
Appropriate Material Vinyl-PVC
Appropriate Material rubber

Eye protection

Safety glasses

Body protection

Protective clothing; Boots

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Powder		
Colour	grey-beige		
Odour	odourless		
pH value			
Value	9	to	10
Concentration/H ₂ O	5	%	
Melting point			
Value	> 450		°C
Flash point			
Value	°C		
Remarks	Not applicable		
Density			
Value	2400	to	2800 kg/m ³
Remarks	Relative Density according specification		
Solubility in water			
Value	< 0.9		mg/l
Remarks	insoluble		

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SECTION 10: Stability and reactivity

10.5. Incompatible materials

Strong oxidising agents, Alkalies

10.6. Hazardous decomposition products

Toxic gases/vapours

SECTION 11: Toxicological information ***

11.1. Information on toxicological effects

Acute oral toxicity (Components)

Bentonite

LD50 > 2000

Acute dermal toxicity (Components)

Bentonite

Remarks Not applicable

Skin corrosion/irritation (Components)

Bentonite

evaluation non-irritant

Serious eye damage/irritation (Components)

Bentonite

evaluation non-irritant

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity

Remarks No data available.

Fish toxicity (Components)

Bentonite

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
LC50	16000	mg/l
Duration of exposure	96	h

Daphnia toxicity (Components)

Bentonite

Species	Daphnia magna	
EC50	> 100	mg/l
Duration of exposure	48	h

12.2. Persistence and degradability

Biodegradability

Remarks No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Disposal in compliance with local and national regulations.

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Disposal recommendations for packaging

Dispose of as unused product.

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.

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

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**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.