



Material Safety Data Sheet (according to EC Directive 2001/58/EEC)

1. Identification of the substance/preparation and of the company/undertaking

Trade name: SIHA Aktiv-Bentonit G
Use of the substance: Adsorption material
Date of issue: 04.01.2000
Revision date: 25.06.2007
Company: E. Begerow GmbH & Co.
Produktmanagement
An den Nahewiesen 24
55450 Langenlonsheim
Phone: +49 6704 204-0
Fax: +49 6704 204-121
E-Mail/Internet: info@begerow.com www.begerow.com
Information office: Produktmanagement
Phone: +49 6704 204-0
Emergency information: Produktmanagement
Emergency phone: +49 6704 204-0

2. Composition/information on ingredients

The described substance is pure: No

Chemical characterization:

Mixture from a natural Ca-Bentonit and an activated Bentonite.

Further information:

Free crystalline Silica in alveolar Dust (CAS-No. 14808-60-7)	< 5%
Alveolar Dust < 7,1 µm	< 10%
Breathable Content of crystalline Silica in whole Product	< 1%

3. Hazards identification

Identification of hazards:

Avoid inhalation and/or exceeding of occupational limit value

4. First-aid measures

General information:

No special measures necessary.

After inhalation:

Provide with fresh air.

After skin contact:

On contact with the skin, wash off immediately with soap and water.

After eye contact:

On contact with the eyes, rinse immediately with plenty of water for 15 minutes.

After swallowing:

Rinse mouth out thoroughly with water.

Notes for the doctor:

None.

5. Fire-fighting measures

Suitable extinguishing media:

Product itself does not burn..Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons:

Full water jet. Strong water jet.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases, ...:

No special remarkable hazards.

Special protective equipment for firefighters:

No special measures necessary.

6. Accidental release measures**Personal precautions:**

Do not inhale dust.

Environmental precautions:

None.

Methods for cleaning up:

Take up uncontaminated material and pass on for further processing. Take up contaminated material by mechanical means, load into clean containers, and dispose of in accordance with legal regulations.

Further information:

Avoid dust formation.

7. Handling and storage**Handling****Precautions for safe handling:**

Avoid: Formation of dust. Formation of aerosols.

Measures to prevent fire/explosion::

None.

Storage**Design for storage rooms and vessels:**

Keep container tightly closed and store in a cool, well ventilated place. Keep container dry.

Advice on incompatible materials:

no restrictions

Storage class: 13

8. Exposure controls/personal protection**Information on the system design****Information on the system design**

Equipment with local exhaust ventilation.

Ingredients with exposure limit values**Occupational exposure limits (VLA) with Excursion Limits (LD), Biological limits (BVL)**

CAS-No.	Chemical name	VLA	Unit	VLA (ppm)	LD	Notice
14808-60-7	Freie kristalline Kieselsäure im Alveolaren Staub			0.15		

CAS-No.	Chemical name	K	M	RF	RE	EC-Category	BVL	Unit	Notice
14808-60-7	Freie kristalline Kieselsäure im Alveolaren Staub								in atemberarer Form

Further information:limiting value of inert dust (alveolar content) 3 mg/m³ TRGS 900 limiting value of inert dust (breathable content) 10 mg/m³ TRGS 900**Personal protective equipment****Respiratory protection:** Particle filter device (DIN EN 143). P 2**Hand protection:** Tested gloves must be worn: EN 420 EN 374 EN 388

Eye protection: Eye glasses.

Body protection: None.

Skin protection: Preventive skin protection using barrier ointment.

Protection and hygiene measures:

Wash hands before breaks and on finishing work.

9. Physical and chemical properties

Form: Granular material.

Colour: Grey to Beige

Odour: Odourless

	Value/Range:	Unit:	at/for	Method
pH-value:	7,5 to 9,5		at 20 °C for: 20 g/l	Wässrige Suspension
Boiling point/boiling range:	n.a.	°C		
Melting point/melting range:	> 1000	°C		
Flash point:	n.a.	°C		
Ignition point:	n.a.	°C		
Explosive properties:	n.a.			
Flammability (solid, gas):	n.a.			
Autoflammability:	n.a.			
Oxidizing properties:	n.a.			
Vapour pressure:	n.a.			
Density:	n.v.			
Relative density:	800 to 1000	kg/m ³		

10. Stability and reactivity

Conditions to avoid:

None.

Hazardous decomposition products:

No hazardous reactions known. No hazardous decomposition products known.

Further information:

No decomposition if used as prescribed.

11. Toxicological information

Toxicological tests

Acute toxicity

LD 50 rat

Dose: > 5000 mg/kg

Specific symptoms in animal experiment:

The product has not been tested in animal experiments. The toxicological data has been taken from products of similar composition.

Delayed and chronic effects:

No data available.

Experiences:

Relevant observations for classification:

Due to dust raising, light irritation of eyes and/or mucous membranes is possible. Dust may render the skin dry and chappy.

12. Ecological information

Persistence and degradability

Procedure, method of analysis, degree of elimination, assessment:

Biodegradability: not degradable: Product is of mineral origin.

Behaviour in environment

Mobility and bioaccumulative potential:

No data available.

Ecotoxicological effects**Aquatic toxicity:**

No data available.

Toxicity (plants and animals; kind of tests):

No data available.

Behaviour in sewage works:

No data available.

13. Disposal considerations**Product****Product Recommendation:**

The disposal of the product has to be carried out in accordance with the legal requirements. EWC waste codes are strictly industry-oriented, therefore waste classification has to be done by the waste producer.

Contaminated container**Recommendation:**

Completely emptied packages may be recycled.

14. Transport information**Road/Rail transport: ADR/RID/GGVS/GGVE**

Comment: No hazardous material as defined by the transport regulations.

Inland sea transport: ADN/ADNR

Comment: No hazardous material as defined by the transport regulations.

Sea transport: IMDG/GGVSee

Comment: No hazardous material as defined by the transport regulations.

Air transport: ICAO/IATA**Comment:**

No hazardous material as defined by the transport regulations.

15. Regulatory information**Labelling****S-Phrases:**

S-Phrases	Meaning
S22	Do not breathe dust.

National measures

Wassergefährdungsklasse: n **VwVwS:** S Selbsteinstufung

Technische Anleitung Luft (TA-Luft)**Ziffer**

5.2.1

AnteilGW: 20 mg/m³**16. Other information****Further information:**

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Subject to change in the interest of technical progress.

The data sheet issuing section: Product Management

Person: Sven Hagemann