

Material Safety Data Sheet: Montmorillonite

1. Identification of the substance/preparation and the company

Substance: Montmorillonite / Bentonite

Application: Drying Agent

2. Composition/Information of ingredients

Natural Calcium Bentonite

Bentonite,

Weight % : >90

Index No.: --

CAS No.: 1302-78-9

EINECS No.: 215-108-5

Hazard symbols: --

R-phrases: --

Quartz

Weight % : 2

CAS No.: 14808-60-7 Index No.: -Hazard symbols: --

EINECS No.: 238-878-4

R-phrases: --

Cristobalite

Weight % : 2

CAS No.: 14464-46-1 Index No.: -Hazard symbols: --

EINECS No.: 238-455-4

R-phrases: --

3. Hazards Identification

Hazard description

Not applicable

4. First-aid measures

After inhalation take the patient into the fresh air. In the event of contact with the skin, rinse off with water and soap. Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted. If product is swallowed consult a doctor if necessary.

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5. Fire-fighting measures

Suitable extinguishing media: No restriction in fire situations. Product is not combustible.

For reasons of security unsuitable extinguishing media: None.

Special risk due to the substance or the preparation itself, its combustion products or the gas being produced:

None Special protective equipment when fighting fires: Firemen have to wear self-contained breathing apparatus.

Further Information: None.

6. Accidental release measures

Precautionary measures regarding persons: Avoid the formation of dust, if necessary siphoning the production off locally.

Use the personal protective equipment listed in Chapter 8

Environmental protection measures: No special measures required.

Methods for cleaning up/taking up: Take up spilled product with an industrial vacuum cleaner.

Further information: None.

7. Handling and Storage

Handling

Information on safe handling: Avoid the formation of dust, if necessary siphoning the product off locally.

Take precautionary measures against static discharges. Information on fire and explosion prevention: none.

Storage

Requirements on storerooms and containers: none

Information on common storage: Observe the rules contained in the VCI concept for separate/common storage. Observe the official regulations.

Further information on storage conditions: Keep in sealed containers in a dry place.

Storage class according to VCI (Association of the German Chemical Industry): 13

8. Exposure controls/personal protection

For exposure controls see Chapter 15

Respiratory protection: Respiratory equipment with filter type P according to DIN EN 143

Hand protection: gloves

Eye protection: goggles

9. Physical and chemical properties

Form:	Granular
Color:	brownish - grey
Odor:	Odorless
PH Value:	7-8 (in suspension at 10% in water)
Melting point:	not determined
Inflammability:	no
Ignition temperature:	not applicable
Spontaneous flammability:	no
Fire-promoting:	
Properties:	no
Explosive limits:	not applicable
Vapor pressure:	not relevant 800
Bulk density:	to 950 kg/m ³
Solubility in water:	< 20 g/l not
Fat solubility:	determined
Partition coefficient n-octanol/water	not determined

10. Stability and reactivity

Condition to avoid: none known

Substances to avoid: none known

Hazardous decomposition products: none known

Further information: none

11. Toxicological Information

Toxicological studies on the product are not yet available
Practical experience
Dehydration in case of prolonged skin contact
Quartz (incl. Cristobalite and Tridymite) is known as substance causing silicosis to humans

12. Ecological information

Ecotoxicological data is not available

13. Disposal Considerations

Unused material: reuse if possible. Address manufacturer.
or
May be disposed of in approved landfills provided local regulations are observed

14. Transport information

GGVSE: -RID/ADR:	UN: --	PG: --	
--	UN: -UN	PG: --	
Warning sign: Hazard No. -ADNR:	No.: ---UN:		
--	--	PG: --	
GGVsee/IMDG Code: --	UN: --	PG: --	
ICAO-TI/IATA-DGR: --	UN: --	PG: --	MPO: --

Declaration for land shipment: --
Declaration for sea shipment: -Declaration
of shipment by air: --
Other information: Not dangerous cargo. Keep separated from foodstuffs

15. Regulatory information

No labeling is required in accordance with the EEC directives.

German regulations
TRGS 900 "Atmospheric Threshold Value":
14808-60-7 Quartz
threshold: 0,15 mg/m³ A
Note remarks

Handling restrictions: none
Major accidents regulations: not listed in the appendices
Regulations on flammable liquids: not applicable

Technical Instruction on Air Pollution Control:
Figure 5.2.1
Total dust

Water pollution class (WGK): not harmful to water
Observe national regulations

16. Other Information

The presented safety data sheet has been altered.
The reason for the alteration is as follows: revised text (see chapter 1, 2, 4, 5, 6, 7, 8, 11, 12, 14, 15, 16)

The data here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties, or performance.