

MATERIAL SAFETY DATA SHEET

According to the Directive 2001/58/CE

Creative date : 21/11/97

Revision date : 20/12/04

PRODUCT TRADE NAME : BENTONITE NAW

1 - PRODUCT COMPANY AND IDENTIFICATION

Product trade name : BENTONITE NAW

Supplier : CMMP
COMPTOIR DE MINERAUX ET MATIERES PREMIERES
45 RUE DE ST PETERSBOURG
75008 PARIS

Phone number : + 33 1 43 87 45 75

Fax number: + 33 1 42 94 96 32

2 - COMPOSITION / INFORMATION ON THE COMPONENTS

Common chemical name : BENTONITE (CLAY)
From Montmorillonite family

Chemical formula : /

CAS-N°: 1302-78-9

EINECS-N°: 215-108-5

Hazardous ingredients :	Substance	CAS-N°	EINECS-N°	Risk	Symbol	Concentration
	Quartz	14808-60-7	238-878-4	R48/20	Xn	1-5 %

3 - HAZARDS IDENTIFICATION

Main hazards : This product may contain crystalline silica in the shape of quartz.

Specific hazards: Breathing crystalline silica can cause lung disease, including silicosis and lung cancer (group 1). This product may generate dust and irritate the breathing tracts.

May cause an irritation and a flushing

No specific effects in case of normal accidental ingestion

Environmental hazards : /

4- FIRST AID MEASURES

In case of :

- Inhalation : If inhaled, remove from area to fresh air. Get medical attention if breathing becomes difficult.

- Eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

- Skin contact : Wash with soap and water. Get medical attention if irritation persists.

In case of ingestion, do not cause vomiting, drink water. Get medical attention.

5 - FIRE FIGHTING MEASURES

Extinguishing means : This product is fireproof, use normal fire fighting measures.

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6 – ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid creating and breathing dust. Use appropriate protective equipment (safety glasses and mask).

Environmental precautions : None

Methods for cleaning up : Collect using dustless method and hold for appropriate disposal. Consider possible toxic or fire hazards associated with contaminating substances and use appropriate methods for collection, storage and disposal. Do not wash the product with water, material is slippery when wet.

7 – HANDLING AND STORAGE

Handling precautions : This product is delivered in powder or granules, which may become airborne while manipulating. Use only with adequate ventilation to keep exposure below recommended exposure limits. Use approved industrial means to control dust (see § 8).

Storage information: Use good housekeeping in storage and work areas to prevent accumulation of dust. Close container when not in use.

8 – EXPOSURE CONTRALS/PERSONAL PROTECTION

Engineering measures : Use approved industrial ventilation and local exhaust as required to maintain exposures below applicable exposure limits.

Control parameters : For Montmorillonite :
- Threshold Limit Value (TLV) : 10 mg/m³
For crystalline silica :
- Quartz (TLV) : 0,1 mg/m³
Use an appropriate protective equipment, if the exposure limit values exceed.

Personal protection : Use protection glasses.
Use protection gloves.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Solid

Form : Powder or granules

Colour : Grey

Odour : Odorless

pH : 8 – 10 (in 6% slurry)

Melting Point : around 1 340 °C

Flash Point : Not applicable

Explosion Properties : None

Bulk Density : 2,7 g/cm³

Specific Density : 0,85 - 1,1 g/cm³

Water Solubility : Insignificant. Bentonite when in contact with water creates a gel.

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10 – STABILITY AND REACTIVITY

Stability data : Stable at normal temperatures and pressure.

Hazardous decomposition products: /

11 – TOXICOLOGICAL INFORMATION

High toxicity : No data available.

Health effects : See Section 3 for health effects.

12 – ECOLOGICAL INFORMATION

No data available.
No environmental hazardous.

13 – DISPOSAL CONSIDERATIONS

Residual waste : Bury in a licensed landfill according to federal, state and local regulations.

Contaminated packaging : //

14 – TRANSPORT INFORMATION

Codes and classification for transportation :

Land transportation : N.A.

River transportation : N.A.

N°UN : N.A.

15 – REGULATORY INFORMATION

Bentonite is not a dangerous product according to the EU regulation.
Due to the quantity of Quartz > 1% , here are the abbreviations :

Symbol : Xn : harmful

Phrase R : R 48/20 : harmful, important health risks if long inhalation exposure

Phrase S : S22 : do not breath dust

16 – OTHER INFORMATION

None

The information and recommendation contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.