

MATERIAL SAFETY DATA SHEET Directive (EEC) 91-155 BENTOSOL

Date: 2006-04-05

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Ind. Rev.: 1**1 – PRODUCT AND COMPANY IDENTIFICATION**

Product: BENTOSOL
 Generic name: Crushed clay
 Supplier: LAMOTHE-ABIET - B.P. 75
 33 015 BORDEAUX CEDEX - FRANCE
 Tel: +33 (0)5.57.77.92.92 Fax: +33 (0)5.56.86.40.02
 - Emergency telephone number: Bordeaux poison center: +33 (0)5.56.96.40.80

2 – CHEMICAL COMPOSITION/INFORMATION ON COMPONENTS

Chemical nature of the substance: preparation

The natural Na-bentonite

CAS n° : 1302-78-9

EEC n°: 215-108-5

Components

CAS n°

Concentration

Free crystalline silica dust

14808-60-7

< 10%

Dust < 7.1 μ m

< 0.005%

Total content in the breathable crystalline silica < 0.005%

(quartz, cristobalite and tridymite included)

3 – HAZARDS IDENTIFICATION

Avoid prolonged inhalation in case the MAK upper value is reached.

4 – FIRST AID MEASURES

- General advice: None.
- Eye contact: Immediately wash with copious amounts of water, including under the eyelids during at least 15 minutes.
- Skin contact: Wash with soap and copious amounts of water,
- In case of inhalation: Remove casualty to fresh air.
- In case of ingestion. Rinse mouth with water.
- Notes to physician: None

5 – FIRE-FIGHTING MEASURES

- Particular hazards: None
- Protection: None
- Extinguishing media: The product does not burn. Use extinguishing media respecting environment.
- Suitable extinguishing media: None.

6 – ACCIDENTAL RELEASE MEASURES

- Personal protection: Wear an anti-dust mask and protective goggle.
- Environmental protection: No particular hazard for the environment.
- Clean-up procedures: Collect uncontaminated material and pass on for further processing. Collect contaminated material with mechanical means, transfer to clean containers and dispose of according to applicable local and state regulations.
- Additional information : Avoid dust production

7 – HANDLING AND STORAGE

- Handling:
- * To ensure safe handling: provide adequate ventilation in areas where dust is produced.
- * Cautions: None
- Storage:
- * Storage conditions: Store in closed containers in dry area.

8 - EXPOSURE CONTROL/ PERSONAL PROTECTION

Threshold limit value:

TRGS900 quartz (breathable dust)*:	MAK 0.15 mg/m ³
TRGS900 quartz containing dust:	MAK 4 mg/m ³
TRGS900 quartz limiting value of inert dust	MAK 6 mg/m ³

Additional information: (*cristobalite and tridymite included)

Personal protection equipment

- Respiratory protection: In case of dust production, wear an effective anti-dust mask.
- Eye protection: None
- Hand protection: None
- Skin protection: None

Hygiene measures: Wash with soap and water.

9 – PHYSICAL AND CHEMICAL PROPERTIES

- Physical state	:	granulous
- Color	:	grey
- Odor	:	odorless
- pH	:	8 to 10 ± 0.5 – aqueous solutions 100 g/l at 20°C
- Melting point	:	> 1500°C
- Density	:	800 at 1000 kg per m ³
- Solubility	:	not soluble in or with water

10 - REACTIVITY

Inert product, no hazardous reactions, no hazardous decomposition products.

11 – TOXICOLOGICAL INFORMATION

- Acute toxicity (irritation, sensitization..., etc): No data available.
- General data on acute toxicity and other:

Experiment on human beings: Dust may slightly irritate eyes and mucous membranes. Dust may render the skin dry and chappy. In case of long-term over-exposure to threshold limit value or prolonged inhalation in working areas, fine dust particles containing quartz can cause silicosis.

12 – ECOLOGICAL INFORMATION

- Potential effect on the environment: Deposit of grey dust with no particular hazards
 - Persistence / degradability: Not biodegradable; dissemination by natural means.
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13 – DISPOSAL CONSIDERATIONS

- Product: can be land-filled according to local and state regulations. Contact waste disposal services.
 - Contaminated packages: Can be re-used after emptying and cleaning.
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14 – TRANSPORT INFORMATION

International regulation: None

15 – REGULATORY INFORMATION

No EC regulation.

Still it is the consignee's responsibility to know applicable local and state regulations

16 – OTHER INFORMATION

The information contained in this safety data sheet is based on data considered accurate and true on the production date. However accuracy and exhaustiveness of this information as well as all regulations are given without warranty. Since the conditions of use are out of our control, it is the user's responsibility to determine the correct and safe application of this preparation.
