

CTM POTTERS SUPPLIES

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information:

Product Name : Bentonite

Synonyms : Sodium/Calcium Aluminosilicate clay

Company : CTM Potters Supplies
Unit 10A, Millpark Industrial Estate
White Cross Road
Woodbury Salterton
Nr. Exeter
EX5 1EL

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	EC Number
Bentonite	1302-78-9	2151085

3. HAZARD IDENTIFICATION

Inhalation: Excessive exposure may cause symptoms of chronic lung disease.

Ingestion: The product is of low solubility in body fluids and it is likely to be of low acute toxicity.

Eyes: May cause physical irritation and inflammation.

Skin: The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation. Mildly dermatatic on prolonged exposure by absorbing skin oils and moisture.

4. FIRST AID MEASURES

General Recommendations:

Inhalation: Remove patient to fresh air, loosen tight clothing and seek medical attention.

Ingestion: Do not induce vomiting. Seek medical advice.

Eyes: Wash immediately with copious amounts of water.

Skin: Wash affected areas with water.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Those suitable for surrounding fire conditions.

Special exposure hazards: None

Protective personal equipment: None other than those suitable for the surrounding fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Leaks & Spills: Use suitable vacuum equipment where reasonably practicable. Otherwise, damp down and scoop into a receptacle. Clays are slippery when wet.

Personal protective equipment: Respiratory protective equipment.

7. HANDLING AND STORAGE

Handling: Do not eat, drink, or smoke in areas where the material is used.
Wash thoroughly after handling the material.

Storage: Store in dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.

Personal protective equipment: Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	powder
Colour:	grey
Odour:	odourless
Flash point (°C):	N/A
Flammability:	N/A
Explosive properties:	Non-explosive
Oxidising properties:	None
Specific gravity:	Approx. 2.5
pH value:	7 (insoluble in water)
Melting point (°C):	1150°C

10. STABILITY AND REACTIVITY

Chemical stability: The material is stable

Conditions/materials to avoid: None known

Hazardous decomposition products: None known

Hazardous polymerization products: None

11. TOXICOLOGICAL INFORMATION

Acute toxicology:

LD50 Oral	> 2000mg/kg
LD50 Dermal:	Not known
LD50 inhalation:	Not known

Health effects: Prolonged or repeated exposure above Occupational Exposure Standards may cause fibrosis of the lungs.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No specific data is available but the product is insoluble in water and can be removed by filtration and so is not expected to present a hazard.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with current waste disposal regulations (for UK – Control of Pollution (Special Waste) Regulations 1980). Landfill is the most appropriate method.

14. TRANSPORT INFORMATION

Special precautions: None

15. REGULATORY INFORMATION

EC Supply Labelling: Non hazardous

R-Phrases: None

S-Phrases: S20/21: when using do not eat, drink or smoke.
S38: in case of insufficient ventilation wear suitable respiratory equipment.

UK Occupational exposures limits*: Mg/m³ 8 hr TWA % in product.

*Refer to HSE Guidance note EH40

16. OTHER INFORMATION**Further information:**

Data sheet producing department: CTM Potters Supplies
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Disclaimer:

The information contained in this safety data sheet has been prepared using the best available information, however in view of technical developments, this may alter. The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.