



Material Safety Data Sheet

Bentonite

Edition: 21/11/2007

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

Material Bentonite – Sodium/Calcium Aluminosilicate clay
CAS No 1302-78-9
Company Inoxia Ltd
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2) Composition

Component Mineral Bentonite
CAS 1302-78-9
EINECS 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 or prolonged exposure by absorbing skin oils and moisture

4) First Aid Measures

Eyes Irrigate with eyewash solution or water for at least 10 minutes
Skin Wash skin with water
Ingestion Do not induce vomiting, seek medical advice
Inhalation Remove to fresh air, loosen tight clothing and seek medical attention

5) Fire Fighting

Not flammable. Take suitable action for surrounding fire conditions

6) Accidental Release

Leaks and spills Use suitable vacuum equipment where reasonable practicable. Otherwise, damp down and scoop into a receptacle. Clays are slippery when wet
Personal protective equipment Respiratory protective equipment

7) Handling/Storage

Keep in dry conditions.

8) Exposure Controls

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

Personal Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection should be worn. Protective gloves and overalls are recommended for prolonged contact.

9) Physical/Chemical Properties

| | |
|------------------|---------------------|
| Appearance | Grey powder |
| Odour | Odourless |
| Melting Point | 1150°C |
| Specific gravity | Approx 2.5 |
| Solubility | Insoluble in water. |

10) Stability/Reactivity

Very stable.
Hazardous Decomposition products - None.

11) Toxicological Info

| | |
|------------------|---|
| Acute toxicology | LD50 Oral >2000mg/kg |
| Health effects | Prolonged or repeated exposure above Occupational Exposure Standards may cause fibrosis of the lungs. |

12) Ecological Information

No data available

13) Disposal Consideration

Disposal should be in accordance with local authority regulations. Landfill is the most appropriate method.

14) Transport Information

Not classified as hazardous for transport

15) Regulatory Information

S20/21 When using do not eat, drink or smoke
S38 In case of insufficient ventilation wear suitable respiratory equipment

16) Other Information

This information is for health and safety guidance only, is not a material specification, and does not constitute the user's own assessment of suitability, and workplace risk as required by any other Health and Safety legislation. It is accurate to the best of our knowledge and belief, but since the conditions of handling and use are outside our control we make no guarantee of results, and assume no liability for damages incurred by use of this material.