

FLINTS

Theatrical Chandlers

Material Safety Data Sheet

| 1. Substance & Company Identification | | | |
|---|--|---|--|
| Product name: | Fullers Earth | Company: | Flint Hire & Supply Ltd Queens Row London SE17 2PX Tel: + 44 (0)20 7703 9786 Fax: +44 (0)20 7708 4189 Email: sales@flints.co.uk Website: www.flints.co.uk |
| 2. Composition | | | |
| Chemical Name Mineralogical Name CAS Number EINECS Number R-Phases number | Bentonite Clay Montmorillonite 1302-78-9 215-288-5 R48/20 | Hazardous components Concentration Quartz as dust <7.1µ CAS Number EINECS Number R-Phases number | Quartz <5% total quartz. <0.5% 14808-60-7 238-878-4 R48/20 |
| 3. Hazards Identification | | | |
| Possible Short term effects: | | | |
| Skin Contact | May cause dryness. | | |
| Eye Contact | Irritation and soreness due to dust particles. | | |
| Inhalation | Irritation of nose and throat. Avoid exceeding OES limit - see section 8. | | |
| Ingestion | Mild gastric irritation. | | |
| Hazard Classification | Not dangerous under the classification Packing and Labelling Regulations 1984 | | |
| Safety Phases | S22, S51 | | |
| Precautions | Do not breathe dust for prolonged periods, and use in well ventilated areas. Take care if wet as becomes slippery. | | |
| 4. First Aid Measures | | | |
| Skin Contact | Rinse thoroughly with cold water and seek medical attention if symptoms persist. | | |
| Eye Contact | Rinse thoroughly with cold water and seek medical attention if symptoms persist. | | |
| Inhalation | Remove person to fresh air, and if symptoms persist seek medical attention. | | |
| Ingestion | Drink several glasses of water or milk. If large quantities are ingested seek medical attention. | | |
| 5. Fire Fighting Measures | | | |
| Non combustible | When extinguishing fires bear in mind product becomes slippery when wet. | | |
| 6. Accidental Release Measures | | | |
| Personal precautions | Do not breathe dust - see section 8. Becomes slippery when wet. | | |
| Environmental risk | Non toxic. | | |
| Cleaning up | Sweep or vacuum up and dispose of as non toxic waste. | | |
| 7. Handling and Storage | | | |
| Handling | Avoid the creation of dust, and ensure adequate ventilation at point of use. See section 8. | | |
| Storage | Store in clean dry environment. | | |

| 8. Exposure Control / Personal Protection | | | |
|---|--|-----------------|-----|
| Hand protection | Use barrier creams and rubber gloves as required. | | |
| Skin protection | Normal work wear. | | |
| Eye protection | Wear safety glasses. | | |
| Respiratory protection | Use dust masks. Ensure adequate ventilation and dust control measures to maintain dust levels below OES* limit. | | |
| *OES level (Occupational Exposure Standard): Dry bentonite is classed as a nuisance dust with an 8 hour TWA for total dust inhalation of 10mg/m ³ and 5mg/m ³ for respirable dust. Quartz present in small quantities in this product has a Maximum Exposure Limit (MEL) of 0.4mg/m ³ respirable dust for an 8 hour TWA period. (Respirable dust is that portion with a particle size <7.1µ.) | | | |
| 9. Physical and Chemical Properties | | | |
| Appearance | Light grey to brownish powder | Vapour pressure | N/A |
| Odour | Odourless | Flash Point | N/A |
| PH - 2% suspension | 7 - 9.5 | | |
| S.G | 2.5 | Melting Point | N/A |
| Solubility | Forms suspension in water. | | |
| Flammability | Non flammable | Boiling Point | N/A |
| Explosive properties | None | | |
| 10. Stability and Reactivity | | | |
| Conditions to avoid | Avoid generation of dust. | | |
| Materials to avoid | Oxidising agents | | |
| Hazardous Decomposition products. | None | | |
| 11. Toxicology Information | | | |
| Ingestion | Orally non toxic. | | |
| Eye contact | Causes irritation due to physical abrasion by dust particles. | | |
| Skin contact | Non toxic may cause skin dryness and chapping. | | |
| Inhalation | Long term exposure to Bentonite dust in excess of the OES limit may result in fibrosis of the lung tissue. The presence of respirable crystalline silica may lead to silicosis if the MEL is persistently exceeded over a long time. | | |
| 12. Ecological information | | | |
| This is a natural mineral with no known ecological problems associated with bentonite. | | | |
| 13. Disposal Considerations | | | |
| Dispose of in accordance with local and national regulations using an approved disposal contractor. | | | |
| 14. Transport Information | | | |
| There are no specific transport precautions required, as product is classified as not dangerous, but product should be kept dry as becomes slippery when wet and avoid dust creation. | | | |
| 15. Regulatory Information | | | |
| 15.1 Dangerous substances Directive 67/548/EEC and Dangerous Preparations Directive 88/379/EEC do not apply. | | | |
| 15.2 Follow safety guidelines S22 - do not breath dust and use only in well ventilated areas. | | | |
| 15.3 COSHH regulations 2002 apply in the UK. | | | |
| 16. Other information | | | |
| Typical uses of this product are Civil engineering, Oil well drilling, Ceramics, Foundry applications, Land Fill barriers, Bore-hole sealing. | | | |