

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.			