



# SAFETY DATA SHEET

## Fullers Earth

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: **FULLERS EARTH**

Details of company: LTP  
Tone Industrial Estate  
Milverton Road  
Wellington  
Somerset  
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### 2. HAZARDS IDENTIFICATION

#### 2.1. 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 & Labelling Regulation 1984.
Safety phrase	S 22 Do not breathe dust. S 51 Use only in well-ventilated areas.
Precautions	Do not breathe dust for prolonged periods, and use in well ventilated areas. Take care if wet as becomes slippery.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1.

Chemical Name	Bentonite Clay	Hazardous Components	Quartz
Mineralogical Name	Montmorillonite	Concentration	< 5% total quartz.
CAS Number	1302-78-9	Quartz as dust <7.1u	<0.5%
EINECS Number	215-288-5	CAS Number	14808-60-7
R-Phases number	R48/20	EINECS Number	238-878-4
		R-Phases Number	R48/20

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### 4. FIRST AID MEASURES

- 4.1. Skin Contact - Rinse thoroughly with cold water and seek medical attention if symptoms persist.
- 4.2. Eye Contact - Rinse thoroughly with cold water and seek medical attention if symptoms persist.
- 4.3. Inhalation - Remove person to fresh air, if symptoms persist seek medical attention.
- 4.4. 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

- 6.1. **Personal precautions** – Do not breathe dust – see section 8. Becomes slippery when wet.
- 6.2. **Environmental risk** – Non - toxic.
- 6.3. **Cleaning up** – Sweep or vacuum up and dispose of as non- toxic waste.

### 7. HANDLING AND STORAGE

- 7.1. **Handling** - Avoid the creation of dust and ensure adequate ventilation at point of use. See section 8
- 7.2. **Storage** – Store in clean dry environment.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. **Hand Protection** - Use barrier creams and rubber gloves as required.
- 8.2. **Skin Protection** – Normal work wear.
- 8.3. **Eye protection** – Wear safety glasses.
- 8.4. **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<sup>3</sup> and 5mg/m<sup>3</sup> for respirable dust. Quartz present in small quantities in this product has a Maximum Exposure Limit (MEL) of 0.4mg/m<sup>3</sup> respirable dust for an 8 hour TWA period. (Respirable dust is that portion with a particle size <7.1u.)

### 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Light grey to brownish powder	<b>Vapour</b>	N/A
<b>Odour</b>	Odourless	<b>Flash Point</b>	N/A
<b>PH – 2% suspension</b>	7-9.5		
<b>S.G</b>	2.5	<b>Melting Point</b>	N/A
<b>Solubility</b>	Forms suspension in water		
<b>Flammability</b>	Non flammable	<b>Boiling Point</b>	N/A
<b>Explosive properties</b>	None		

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### 10. STABILITY AND REACTIVITY

**10.1. Conditions to avoid** - Avoid generation of dust

**10.2. Materials to avoid** - Oxidising agents

**10.3. Hazardous Decomposition products** - None

### 11. TOXICOLOGICAL INFORMATION

**11.1. Ingestion** Orally non toxic

**11.2. Eye contact** Causes irritation due to physical abrasion by dust particles.

**11.3. Skin contact** Non - toxic may cause skin dryness and chapping.

**11.4. 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/ECC and Dangerous Preparations Directive 88/379/EEC do not apply.

**15.2.** Follow safety guidelines S22 – do not breath dust and use only 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.