

**SAFETY DATA SHEET**  
According to 1907/2006/EC, Article 31  
Revision: 4    Date of issue: 14/01/2020

Dyebrick, Malt Kiln Farm, Low Road, Pentney, King's Lynn, Norfolk, PE32 1JF Norfolk, United Kingdom.

SAFETY DATA SHEET



SDS4-FB

**PRODUCT: FILLBRICK**

**SECTION 1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

**Trade name**            Fillbrick  
**Product name**        Fillbrick, Filljoint, Fillgrout.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Sector of use** Building and construction

**Product category** Premix mortar/Brick and stone filler.

**Application of the substance / the mixture** Filler for brick and stone repairs.

**Uses advised against**

Any use carrying a risk of direct contact with eyes/skin where workers are exposed without adequate personal protective equipment (PPE).

To be mixed with water as outlined in the product data sheet.

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

Dyebrick  
Malt Kiln Farm  
Low Road  
Pentney  
King's Lynn  
Norfolk  
PE32 1JF  
United Kingdom

+44 (0)1795 871105  
mail@dyebrick.com

**Further information obtainable from:** Product safety department.

**1.4 Emergency telephone number**

Emergency numbers:

+44 (0)1795 871105 (Kent Office)  
+44(0)1760 338898 (Norfolk Office)  
+44(0)7969 896118 (Out of hours)

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**SECTION 2.    HAZARDS IDENTIFICATION**

**2.1    Classification of the substance or mixture**  
**Classification according to Regulation (EC) No 127/2008)**

Skin Irrit. 2    H315 Causes skin irritation.  
Eye Irrit. 2    H319 Causes serious eye irritation.  
Eye Dam.1    H318 Causes serious eye damage.  
STOT SE 3    H335 May cause respiratory irritation.

**2.2    Label elements**  
**Labelling according to Regulation (EC) No 1272/2008**

This product is classified and labelled according to the CLP regulation

**Hazard pictogram**



**Signal word** Danger

**Hazard statements:**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**Precautionary statements:**

P102: Keep out of reach of children.  
280 Wear protective gloves/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local regulation.

**2.3    Other Hazards**

The substance does not meet the criteria for PBT or vPvB substance. No other hazards identified.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

Those listed below, in addition to other non-hazardous impurities.

Substance	CAS Number	EC Number	Weight % (or range)	CLP Classification
Calcium Dihydroxide	1305-62-0	215-137-3	16-44 %	H318 H317 H315 H335
Crystalline Silica	14808-60-7	238-878-4	10-80%	H372
Di-Calcium Silicate	10034-77-2	233-107-8	0-50%	Not classified
Limestone	1317-65-3	215-279-6	0-80%	Not classified
Iron oxide	51274-00-1	215-168-2	0-15%	Not classified

**SECTION 4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

**After inhalation:**

Stop source of dust or move person to fresh air. Obtain medical attention immediately.

**After skin contact:**

Carefully and gently brush the contaminated body surfaces to remove all traces of product. Wash the affected area immediately with plenty of water. Remove contaminated clothing. If necessary, seek medical advice.

**After eye contact:**

DO NOT DELAY!

Check for and remove contact lenses.

Rinse opened eye for several minutes under running water. Then consult doctor. Do not rub eyes.

**After swallowing**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

**4.2 Most important symptoms and effects, both acute and delayed**

The product is not acutely toxic. The substance is caustic and classified as irritating to skin and the respiratory tract and entails a risk of serious and permanent damage to the eye.

**Information for doctor:** Treat symptomatically and supportively.

**4.3 Indication of any immediate medical attention and special treatment needed**

Follow the advice given in section 4.1. When seeking medical attention present this SDS.

**SECTION 5. FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

**Suitable extinguishing agents:**

The product is not combustible. Use a dry powder, foam or CO2 fire extinguisher to extinguish the surrounding fire. Use extinguishing measures suitable to surrounding conditions, appropriate to local circumstances and the surrounding environment.

**5.2 Special hazards arising from the substance or mixture**

None

**5.3 Advice for fire fighters**

**Protective equipment:**

Avoid generation of dust. Use breathing apparatus. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Keep dust levels to a minimum.  
Keep unprotected persons away.  
Wear suitable protective equipment (see section 8).  
Avoid inhalation of dust.

#### For emergency responders

Keep dust levels to a minimum.  
Keep unprotected persons away.  
Wear suitable protective equipment (see section 8).  
Avoid inhalation of dust.

### 6.2 Environmental precautions:

Contain any spillage and cover area if possible, to avoid unnecessary dust. Avoid uncontrolled spills to watercourses and drains (pH increase). Inform the Environment Agency or other regulatory body in the event of a large spillage into watercourses.

### 6.3 Methods and material for containment and cleaning up:

In all cases avoid dust formation. Use suitable industrial vacuum with HEPA filters for dry product, or shovel into containers using a light water mist to suppress dust. For wet material shovel or mop up. Always use suitable PPE.

### 6.4 Reference to other sections

For more information on exposure controls/personal protection or disposal considerations, please check section 8 and 13 of this safety data sheet.

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wear protective equipment (refer to section 8). Do not wear contact lenses when handling this product. It is also advisable to have eyewash nearby. Keep dust levels to a minimum, taking special care when opening and mixing bags. Avoid inhalation of dust and used suitable dust masks. When handling bags usual precautions should be paid to the risks outlined in the Council Directive 90/269/EEC

### 7.2 Conditions for safe storage, including any incompatibilities

The product should be stored in dry conditions. Any contact with air and moisture should be avoided. Keep away from acids. Keep out of reach of children.  
Store in cool, dry conditions in well-sealed receptacles.

### 7.3 Specific end use(s)

No further relevant information available.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

SCOEL recommendation (SCOEL/SUM/137 February 2008; see Section 16.6):

**Occupational Exposure Limit (OEL), 8 hrs TWA:** 1 mg/m<sup>3</sup> respirable dust of calcium dihydroxide.

**Short-term exposure limit (STEL), 15 min:** 4 mg/m<sup>3</sup> respirable dust of calcium dihydroxide.

HSE EH40/2005 recommendation

**Workplace Exposure Limit WEL 8hrs TWA:** 0.1 mg/m<sup>3</sup> respirable dust of crystalline silica.

These values are read-across to the product in view of the anticipated equivalent local effect (pH is comparable to that of CaO and Ca(OH)<sub>2</sub>).

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**8.2 Exposure controls**

Avoid making dust. Appropriate protective equipment is recommended. Eye protection equipment must be worn. Additionally, face protection, protective clothing and safety shoes are required to be worn as appropriate.

**8.2.1 Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Do not wear contact lenses. Wear tight fitting goggles with side shields, or wide vision full goggles. It is also advisable to have eyewash nearby.



**Skin protection**

Protective gloves

Lime is classified as irritating, so exposure to skin should to be minimised as far as possible. Use protective gloves (nitrile), protective standard working clothes fully covering skin, full length trousers, long sleeved overalls, with close fittings at openings and shoes resistant to caustic materials.

**Respiratory protection:**

Local ventilation to keep levels below established threshold values is recommended. A suitable particle filter mask is recommended, depending on the expected exposure levels.

**8.2.2 Environmental exposure controls**

All ventilation systems should be filtered before discharge to atmosphere.

Avoid releasing to the environment.

Contain spillages. Any large spillage into watercourses must be reported to the Environment Agency or other regulatory body.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**Appearance:**

<b>Form:</b>	Solid, powder.
<b>Colour:</b>	Various.
<b>Odour:</b>	Odourless.
<b>pH-value:</b>	Alkaline >12
<b>Melting point:</b>	N/a
<b>Boiling point:</b>	N/a
<b>Flash point:</b>	Cannot support combustion.
<b>Flammability:</b>	Non flammable.
<b>Decomposition temp.:</b>	N/a
<b>Auto-ignition temp.:</b>	Product is not self-igniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Vapour pressure at 20°C:</b>	23hPa
<b>Density at 20°C:</b>	1.3 – 1.8 g/cm <sup>3</sup>
<b>Relative density:</b>	1.3 – 1.8 g/cm <sup>3</sup>
<b>Vapour density:</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.
<b>Solubility in water:</b>	Some components sparingly soluble.
<b>Viscosity:</b>	N/a

**9.2 Other information**

NOTE: The physical data above are typical values and should not be construed as a specification.

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## SECTION 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Reacts with water to form a solid mass which does not pose any hazards.

### 10.2 Chemical stability

Under normal conditions of use and storage, the product is stable.

### 10.3 Possibility of hazardous reactions

The product reacts exothermically with acids. When heated above 580 °C, calcium dihydroxide decomposes to produce calcium oxide and water. Calcium oxide reacts with water and generates heat. This may cause risk to flammable material.

### 10.4 Conditions to avoid

Prevent exposure to air and moisture until use.

### 10.5 Incompatible materials

The product reacts with acids to form salts. In the wet, unhardened state reacts with aluminium, brass and other base metals leading to the formation of hydrogen.

### 10.6 Hazardous decomposition products

None

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Not acutely toxic.

Skin corrosion/irritation.

Irritating to skin.

Serious eye damage/irritation.

Serious damage to the eye and possibly loss of sight.

Respiratory or skin sensitisation.

None of the main constituents e.g. calcium dihydroxide, calcium carbonate, calcium silicate, silica dioxide and calcined clay minerals are known to cause any sensitisation.

Irritating to the respiratory tract.

Prolonged exposure of respirable crystalline silica by inhalation may lead to silicosis in lungs.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

When used and disposed of as intended, no adverse environmental effects are foreseen. Do not allow un-set product to enter watercourses.

### 12.2 Persistence and degradability

Not relevant for inorganic substances.

### 12.3 Bioaccumulation potential

Not relevant for inorganic substances.

### 12.4 Mobility in soil

The product reacts with water and/or carbon dioxide to harden, after which it is essentially insoluble, and has low mobility in soils.

### 12.5 Results of PBT and vPvB assessment

Not relevant for inorganic substances.

### 12.6 Other adverse effects

No other adverse effects are identified.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product: Dispose of the product in accordance with local and national legislation. Harden unused product with water. Do not dispose of in sewers or water courses.

Unhardened Waste Code 16 03 03

Hardened Waste Code 16 03 04

Packaging: Empty packaging and dispose of in accordance with local and national legislation.  
Empty Sachet Waste Code 15 01 02

## SECTION 14. TRANSPORT INFORMATION

14.1 UN-Number ADR, IMDG, IATA	Void
14.2 UN proper shipping name ADR, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
Transport/Additional information	Not dangerous according to above specification
UN "Model Regulation"	Void

## SECTION 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Authorisations: Not required

Restrictions on use: None

Other EU regulations: None

National Regulations: None

15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

## SECTION 16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.