

## Material Safety Data Sheet

**1).Product Name:** All fired clay facing Bricks

**2).Supplier:**

Carlton Brick  
Clayburn Road  
Grimethorpe  
Barnsley  
South Yorkshire  
S72 7BE  
Tel: 01226 715000  
Fax: 01226 780417  
[Office.admin@carltonbrick.co.uk](mailto:Office.admin@carltonbrick.co.uk)

**3).Hazard Identification:**

In the condition sold the product does not present a hazard to health and safety through handling or use, subject to good site practice being followed.

The use of safety clothing such as hard hat, gloves, boots and eye protection is strongly recommended to minimise the risk associated with falling objects, sharp edges and wind blown particles.

If secondary processing is to be carried out on the product e.g. cutting or shaping the following points should be noted

1. When chipped or deliberately broken brick particles will be broken off which can cause damage to the eyes. Suitable eye protection should be worn when carrying out such processes.
2. When these products are mechanically cut using drills, saws etc. respirable dust will be produced which can contain silica. Silica can cause lung disease and has been assigned a maximum exposure limit (MEL) of 0.1mg/ m<sup>3</sup>, expressed as an 8hr time weighted average. Suitable control measures should be put in place to reduce exposure so far as reasonably practicable. See H.S.E construction information sheet No. 36 for further information.

**4).First Aid:**

Eye Contact : If brick particles enter the eye, irrigate well with copious amounts of clean water. Seek medical attention if necessary.

Inhalation / Ingestion of Dust: Remove to fresh air, rinse mouth thoroughly. Seek medical attention if necessary.

Skin Contact: Cuts and abrasions should be washed and dried and dressed appropriately.

**5). Fire:**

There is no direct risk of fire or explosion from this product.

**6). Accidental Release Measures:**

Not applicable to this product

**7). Handling & Storage:**

The packs of bricks weigh approximately 1200Kg

When unloading bricks from transport ensure that the packaging is intact and that the lifting equipment being used is suitable and will carry the weight.

If using grabs always grip the pack at the bottom of the pack. Never lift the pack by the strapping.

Do not stand under the packs when unloading and wear appropriate PPE. Hard hat, gloves, eye protection and safety shoes.

Once the packaging has been opened the bricks should be handled as individual units.

If stored on flat, even hard standing packs should be stored no more than 4 packs high. In site conditions and on soft ground packs should be stored 2 packs high only and monitored. Any indications of instability and the packs should be re stacked at ground level.

Whilst a U.V. inhibitor is present in the packaging material, packs will deteriorate in strength and appearance after 12 months in direct sunlight.

**8). Exposure Controls / Personal Protection:**

Abrasion resistant gloves, eye protection, Hard hat and safety boots should be worn when working with this product.

**9). Physical & Chemical Properties:**

Fired Clay Brick weighing approx. 2kg – 3 kg. Chemically inert at temperatures below 1100° C. Exact size and colour will depend on the type of product and finish specified.

**10). Stability & reactivity:**

Product is stable and inert in normal use.

**11). Toxicological Information:**

Product is non toxic as sold.

**12). Ecological Information:**

Product is not regarded as a risk to the environment

**13). Disposal Considerations:**

Waste from clay brick is easy to handle, non toxic and inert. Uncontaminated waste can be used for fill material and in some cases replace primary aggregates.

Plastic packaging should not be burnt and is recyclable.

**14). Transport Information:**

Not classified

**15). Regulatory Information:**

Risk Phrases

NC Not Classified

Safety Phrases

P13 Safety Data sheet available for professional user on request.

**16). Other Information:**

We strongly recommend you read the following H.S.E. information sheets prior to commencing work with this product.

- Construction Industry Advisory committee information sheet No. 37 – *Handling building blocks.*
- Construction Industry Advisory committee information sheet No. 36 – *Silica*

CARLTON MAIN BRICKWORKS LIMITED

MATERIAL SAFETY DATA

1. Material Identification

Manufacturers Name: Carlton Main Brickworks Limited  
Address: High Street  
Grimethorpe  
Barnsley  
South Yorkshire S72 7BG  
Telephone: 0226 711521  
Telex: 547049  
Fax: 0226 780417

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Material: Clay bricks, produced from carbonous shale and manufactured to B.S.3921 1985

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2. Chemical Composition

	%
Silica (SiO <sub>2</sub> )	62.60
Titania (TiO <sub>2</sub> )	1.00
Alumina (Al <sub>2</sub> O <sub>3</sub> )	21.00
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	7.88
Lime (CaO)	0.41
Magnesia (MgO)	2.00
Potash (K <sub>2</sub> O)	3.44
Soda (Na <sub>2</sub> O)	0.75
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	0.20
Chromium Sesquioxide (Cr <sub>2</sub> O <sub>3</sub> )	0.02
Manganic Oxide (Mn <sub>3</sub> O <sub>4</sub> )	0.15
Zirconia (ZrO <sub>2</sub> )	0.03
Zinc Oxide (ZnO)	0.01
Barium Oxide (BaO)	0.31

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### 3. Health & Safety Information

In their natural state, clay products do not present a health hazard when used for their intended purpose.

#### 3.1. On Site

To aid with 'on site' health and safety, the following points should be noted:-

- a) Stock on even ground to avoid falling packs.
- b) Handle with reasonable care to avoid chipping, which may cause eye irritation or breaking of the skin.
- c) Cutting bricks with diamond tipped blades will create dust - the blade should be sprayed with water to reduce the amount of airborne dust.
- d) Polythene packaging is not hazardous, but should be disposed of under the Local Environmental Regulations.

Where applicable, protective clothing, manufactured to British Standards, should be used, i.e. dust masks, eye shields, etc.

### 4. Disclaimers

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