

1. PRODUCT AND COMPANY INFORMATION

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| Product name | Celcon Block, Celcon Foundation Block, Celcon Coursing Unit, Celcon Plus Block and H+H Jumbo Blok in strength grades of Solar, Standard, High Strength and Super Strength. | |
| Supplier | H+H UK Limited Celcon House Ightham Sevenoaks Kent TN15 9HZ Tel: 01732 886333 Fax: 01732 886810 | Technical Department: Tel. 01732 880580 Fax. 01732 887013 |

2. HAZARD IDENTIFICATION

Following manufacture, the components are not deemed to be hazardous within the meaning of the Health and Safety at Work etc. Act 1974, nor are they chemically aggressive.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Description: | Autoclaved Aerated Concrete (Aircrete) building blocks | |
|---------------------|---|---------------------------------|
| Application: | Celcon blocks are manufactured in various densities, strengths, and sizes for use in construction (building). They should be used as recommended in the H+H UK Limited technical literature accompanying products, or as available from the Technical Department. | |
| Name | CAS No. | Classification / notes |
| Silica sand | 14808-60-7 | Predominately Alpha Quartz |
| Pulverised Fuel Ash | 68131-74-9 | Predominately - Station run ash |
| Portland cement | 65997-15-1 | Contains Chromium VI |
| Quicklime | 1305-78-8 | |
| Gypsum | 10101-41-4 | |
| Aluminium powder | 7429-90-5 | |

4. FIRST AID MEASURES

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| SKIN: | Wash with soap and water, if irritation persists seek medical advice. |
| EYES: | Irrigate immediately with water for at least 10 minutes. If irritation persists, seek medical attention. |
| INGESTION: | Do not induce vomiting. Drink plenty of water and seek medical attention. |
| INHALATION: | If irritation of respiratory tract persists, seek medical advice. |

5. FIRE FIGHTING MEASURES

Non-flammable. Use extinguishing media suitable for surrounding fire.

All fire extinguisher types are suitable for use on this product, however it may be necessary to carry out a fire risk assessment to identify other potential hazards that may arise from the use of any particular type of fire extinguisher in relation to other hazards or conditions present. If in doubt, assistance should be sought from the local Fire Service.

6. ACCIDENTAL RELEASE

Block waste can be recycled or disposed of with normal builder's waste. Block dust should be either vacuum collected or dampened before physical recovery to reduce the level of dust in the air. Do not allow disposal into drains or sewers. Contaminated materials should not be used and should be safely disposed of according to local authority regulations.

Dust particles may also arise from handling packaged products and may cause irritation if allowed to enter the eyes, respiratory tract or contact with the skin. Where dust arises in the atmosphere, suitable eye, face, hand, respiratory and body protection should be employed by all persons involved in the operation, and the area ventilated so far as is reasonably practicable. Correct hygiene procedures should be followed before taking food, drink or smoking.

7. HANDLING AND STORAGE

See section 16. **Construction (Design and Management) Regulations** below.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Limit (WEL): Where dust is generated, as a result of cutting, drilling or grinding etc., the following Workplace Exposure Limits (WEL's) for airborne dust are given in HSE Guidance Note EH40.

Total inhalable dust: WEL 10mg/m³ 8hrs TWA

Respirable dust: WEL 4mg/m³ 8 hrs TWA

Respirable silica: WEL 0.1mg/m³ 8hrs TWA

WEL – workplace exposure limit,

TWA – time weighted average

Personal Protective Equipment (PPE):

Material may be rough in texture. Loose particles and dust that may arise from handling these products may cause irritation if allowed to enter the eyes or respiratory tract. Suitable personal protective equipment, e.g. safety footwear, head, eye, face, hand and respiratory protection, should be used.

Where cutting of blocks is undertaken suitable eye, face, hand, respiratory and body protection should be employed by all persons involved in the operation. If cutting is undertaken by mechanical means (e.g. band saw, portable cut-off saw or angle grinder etc.) the cutting equipment should comply with the relevant Statutory and Regulatory requirements and carried out only by suitable trained and competent persons.

9. PHYSICAL AND CHEMICAL PROPERTIES

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| FORM: | Solid |
| COLOUR: | Light grey |
| ODOUR: | None |
| pH: | N/A |
| BULK DENSITY: | 460 - 750 kg/m ³ approx. depending on product grade |
| SOLUBILITY: | N/A |
| AUTOFLAMMABILITY: | N/A |
| LOWER EXPLOSIVE LIMIT (LEL): | N/A |

10. STABILITY AND REACTIVITY

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| STABILITY: | Product is chemically stable |
| REACTIVITY: | No hazardous chemicals are known to be formed during use of this product |
| CONDITIONS TO AVOID: | Damp conditions during storage |

11. TOXICOLOGICAL INFORMATION

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|-------------|-------------------------------------|
| SKIN: | Abrasive, may cause skin irritation |
| EYES: | Abrasive, discomfort and irritation |
| INGESTION: | Unlikely to be a problem |
| INHALATION: | Unlikely to be a problem |

12. ECOLOGICAL INFORMATION

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| ENVIRONMENTAL: | Overall environmental impact is regarded as insignificant. Product is made predominantly from recycled materials. |
| MOBILITY: | Insoluble |
| BIODEGRADABILITY: | Not biodegradable. |

13. DISPOSAL CONSIDERATIONS

Dispose of surplus material and packaging via authorised waste contractor in accordance with local authority regulations.

14. TRANSPORT INFORMATION

Treat as non-hazardous product.

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| UN No: | None |
| IMO Classification: | None |
| ADR Classification: | None |
| IATA Classification: | None |

15. REGULATORY INFORMATION

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| Risk and Safety Phrases: | None |
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16. OTHER INFORMATION

This data sheet does not constitute or serve as a substitute for the user's own assessment of the risks of using this product in the workplace. It is the purchaser's responsibility to ensure that the data given in this sheet is brought to the attention of anyone in their employ who are to handle or use this product. The advice given herein applies only when the product is used for the stated application.

CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS:

The following information is provided to assist clients, designers and contractors in the discharge of their respective duties under the Construction (Design and Management) Regulations 2015.

For the purposes of formulating the Health and Safety Plan or File, it should be noted that the product is described as **Autoclaved Aerated Concrete** (Aircrete).

Celcon Blocks are delivered to site by road vehicles, for which suitable access and egress should be available. Where such access and egress are not available, deliveries will be made to the nearest available suitable location, subject to agreement with the client.

Storage: Blocks may be stacked on suitable hard and level surfaces to a maximum height of 3 packs. If components are to be stacked on uneven ground or on site, stacking should be limited to a maximum height of 2 packs. Consideration should also be given to the handling equipment to be employed on site as to its suitability for the terrain and its safety limits in respect of load. Hand operated pallet trucks are generally not suitable unless pallets specific for this purpose are employed and loads do not exceed the limits of the pallet truck or its operator(s) in handling the load.

Care should be taken when opening packs that are wrapped or banded, to ensure that items do not fall or otherwise endanger persons handling or near them.

All waste packaging materials should be disposed of in accordance with local regulations.

Handling: Handling of blocks should be undertaken in accordance with HSE Construction Sheet No. CIS77 'Preventing injury from handling heavy blocks' (*Construction Industry Advisory Committee*) and in accordance with the Manual Handling Regulations 1992 (as amended). This concludes that there is a high risk of injury to individuals repetitively manually handling blocks in excess of 20 kg. Where individuals are required to repetitively manually handle loads of 20 kg or more, lighter blocks should be specified, or mechanical handling equipment should be employed to reduce risk of injury.

All persons are reminded that a suitable and sufficient assessment of risks must be made of all tasks to be carried out in accordance with the relevant Statutory and Regulatory requirements.

Disclaimer: Every effort has been made to ensure the correctness of the information provided in this data sheet, which relates to the product described only, and which is supplied to product purchasers on the basis that we cannot guarantee its accuracy or completeness. Health and safety information provided in this data sheet is intended for general guidance only, and it is the responsibility of the user to ensure that suitable and sufficient assessment of hazards and risks posed in the employment of any products are undertaken and to comply with any duties imposed by Statutory or Regulatory requirements. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe any existing patents, nor is any warranty made, either expressed or implied.