

**Aggregate Industries H&S dept
Hulland Ward, Ashbourne,
Derbyshire DE6 3ET**

**Safety Data Sheet
Issue Date: January 2008**

1. IDENTIFICATION OF THE SUBSTANCE

2. COMPOSITION / INFORMATION ON INGREDIENTS

Pre-cast concrete products

Product description

A range of plain and coloured concrete products, including kerbs, slabs, edgings, channels, drainage units, paving blocks, lintels, walling products, roofing slates, architectural dressings, concrete blocks, and bricks.

Pre-cast concrete products are manufactured from a mix of raw materials, including:

- Sand and gravel aggregates
- Pulverised fuel ash (PFA)
- Cement
- Limestone dust
- Crushed rock
- Inert pigments

3. HAZARDS IDENTIFICATION

4. FIRST AID MEASURES

There is a potential for respirable dust, including an element of respirable crystalline silica (quartz), to be released if the product is drilled, cut, sawn, crushed or accidentally broken up. This could pose a health hazard if inhaled over a prolonged period of time.

Concrete products and dust particles can also cause abrasion or irritation to skin and eyes

The weight of the product could pose a health hazard if inappropriate manual handling techniques are employed.

For further guidance see HSE Publications EH44 Dust: General Principles of Protection, Getting to Grips with Manual Handling: a Short Guide and Information Sheet Number 26 (Revision 2) - Cement.

General

Unlikely to be hazardous if handled correctly.

Inhalation

Remove to a dust free area and seek medical attention if breathing difficulties are experienced.

Skin

Wash with soap and water. If prolonged contact causes irritation seek medical attention.

Eyes

Irrigate with plenty of water and seek medical attention if soreness continues.

Ingestion

Give water to drink and seek medical advice.

5. FIRE FIGHTING MEASURES

6. ACCIDENTAL RELEASE MEASURES

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<p>No fire or explosive hazard.</p>	<p><u>Personal precautions</u></p> <p>Wear a dust mask or respirator.</p> <p><u>Environmental measures</u></p> <p>No precautions required.</p> <p><u>Method of cleaning</u></p> <p>If possible, avoid dry sweeping, which generates dust. Vacuum dust where practical.</p>
<p>7. HANDLING AND STORAGE</p>	<p>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</p>
<p><u>Handling</u></p> <p>The product should be handled in a manner that will minimise the generation of airborne dust.</p> <p>Manual handling of the product should be avoided so far as is reasonably practical. Where this is not possible, an assessment should be made, taking into account the load, environment, task, and individual capability and training. Always employ good lifting techniques.</p> <p><u>Storage</u></p> <p>No restrictions.</p>	<p><u>Workplace Exposure limits</u></p> <ul style="list-style-type: none"> ▪ Total Inhalable Nuisance Dust: 10.0 mg/m³ (WEL) ▪ Total Respirable Nuisance Dust: 4.0 mg/m³ (WEL) ▪ Respirable Crystalline Silica: 0.1 mg/m³ (WEL) <p>All are given as maximum concentrations and expressed as an 8 Hour Time Weighted Average (8 Hr TWA).</p> <p><u>Prevention measures</u></p> <p>Use dust extraction and containment where possible.</p> <p><u>Respiratory protection</u></p> <p>Dust masks or respirators should be worn during handling and use of the product to accord with the relevant WEL listed above, particularly during drilling, cutting and sawing activities.</p> <p><u>Protection of skin and eyes</u></p> <p>Gloves or barrier cream, overalls and goggles should be worn during handling and use of the product.</p>
<p>9. PHYSICAL & CHEMICAL PROPERTIES</p>	

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Appearance

Pre-cast concrete products in a range of colours, sizes and finishes.

Other chemical properties

Not applicable

10. STABILITY AND REACTIVITY

Conditions and materials to avoid

Not applicable

11. TOXICOLOGICAL INFORMATION

Natural aggregates contain a wide range of particle types and the behaviour, deposition, fate of and response to any particular particle after entry into the human respiratory system depends on their nature and size. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung and is associated with health effects.

12. ECOLOGICAL INFORMATION

No environmental hazard

13. DISPOSAL CONSIDERATIONS

Handling of any residues/waste products

As an inert material, an approved solid waste disposal or landfill site may be used. Do not burn shrink wrap or other packaging material.

14. TRANSPORT INFORMATION

Special carriage precautions

Not applicable

15. REGULATORY INFORMATION

Not classified

The following risk and safety phrases are, however, recommended:

- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation
- S22 Do not breathe dust

16. OTHER INFORMATION

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Training advice

**Wear and use PPE
Employ good manual handling techniques**

Recommended uses

Industrial, domestic and public works

Further information sources

Aggregate Industries UK Limited

**Charcon and Bradstone
Hulland Ward
Ashbourne
Derbyshire
DE6 3ET**

Tel. (01335) 372222

Fax. (01335) 372223

Sources of key data used to compile data sheet

**EH40 2005 Workplace Exposure Limits (supplementary
amendment 01 October 2006)
PPE Regulations 1992
Manual Handling Regulations 1992 (as amended)
COSHH Regulations 2002 (as amended)
COSHH (Amendment) Regulations 2004**

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