



# MARCHINGTON STONE LIMITED

## HEALTH & SAFETY PRODUCT DATA SHEET

Issue Date: July 2006

### NATURAL AGGREGATES

#### 1. Identification of Substances & Company

##### NATURAL AGGREGATES

Company:

Marchington Stone Limited  
Buxton Road  
High Lane  
Stockport  
SK6 8DX  
Telephone: 01663 765000  
Fax: 01663 763777

#### 2. Composition/Information on Ingredients

Crushed rock and sand and gravel aggregates.  
(Separate data sheets are available for granular and powdered aggregates)

#### 3. Hazards Identification

These products are NOT classified as hazardous in accordance with the CHIP regulations (Si3247:1994).

If inhaled in excessive quantities over a prolonged or extended period, respirable dust can constitute a long term health hazard. Dusts containing Respirable Crystalline Silica (Quartz) present a greater hazard.

Some sand aggregates are unsuitable for sandblasting operations as they break down, producing respirable dust containing Quartz.

Advice on the Quartz content and other chemical information is available from the supplying unit.

#### 4. First Aid Measures

##### Summary of First Aid Procedures

##### Inhalation

Immediately remove to fresh air. If breathing is stopped or irregular, apply artificial respiration and seek medical attention.

##### Skin Contact

Wash with water. Prolonged contact may cause irritation

##### Eye Contact

Immediately and thoroughly irrigate with water. The material is abrasive and may scratch the surface of the eye. If pain persists seek medical attention.

##### Ingestion

Remove to fresh air and give water to drink. Seek medical advice.

#### 5. Fire Fighting Measures

##### Suitable Extinguishing Media

Not applicable

##### Unsuitable Extinguishing Media

Not applicable

##### Special Exposure Hazards in Fire

None

##### Special Protective Equipment for Fire Fighters

None

#### 6. Accidental Release Measures

##### Personal Precautions

Avoid breathing in dust.

##### Environmental Precautions

Entry into watercourses should be avoided

##### Methods for Cleaning

Spray with water to prevent airborne dust.  
Avoid dry sweeping which creates dust.

## 7. Handling and Storage

### Handling

The product should be handled to minimise the creation of airborne dust.

### Storage

No special requirements.

## 8. Exposure Controls/Personal Protection

### Take Measures to Prevent

Inhalation of dust from aggregates should be avoided

#### Exposure Control Limits/Source

Total Inhalable Dust:	O.E.S 10mg/m <sup>3</sup> 8 Hours T.W.A
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Respirable Dust:	O.E.S 4mg/m <sup>3</sup> 8 Hours T.W.A
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Respirable Quartz: Crystalline Silica SiO <sub>2</sub>	M.E.L 0.3mg/m <sup>3</sup> 8 Hours T.W.A.
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O.E.S = Occupational Exposure Standard

M.E.L = Maximum Exposure Limited

T.W.A = Time Weighted Average

### Respiratory Protection

Suitable dust masks should be worn in enclosed spaces where the handling of further crushing of dry aggregates is taking place and where adequate ventilation is not provided.

### Hand Protection

Gloves

### Eye Protection

Goggles may be required

### Skin Protection

Overalls

## 9. Physical and Chemical Properties

Appearance	Granular Solid
Odour	None
Ph	Various
Boiling Point/Range	Not determined
Melting Point/Range	Not determined
Flash Point	Not applicable
Flammability	Not applicable
Auto Flammability	Not applicable
Explosive Properties	Not applicable
Oxidising Properties	Not determined
Vapour Pressure	Not applicable
Relative Density	Above 2.0
Water Solubility	Dependent on rock types
Fat Solubility	Not determined

## 10. Stability and Reactivity

### Conditions to Avoid

None

### Materials to Avoid

Acids (for aggregates containing  $\text{CaCO}_3$  &  $\text{MgO}^3$ )

### Hazardous Decomposition Products

Limestone aggregates may react with acid groundwater to release carbon dioxide gas, which may build up in confined spaces to hazardous concentrations.

## 11. Toxicological Information

If inhaled in excessive quantities over a prolonged or extended period, respirable dust can constitute a long term health hazard.

## 12. Ecological Information

### Environmental Assessment

When used and disposed of as intended, no adverse environmental effects are foreseen. Aggregates are naturally occurring minerals.

### Mobility

Aggregates are non volatile materials that will sink in water and form a solid layer on the surface of the ground.

### Persistence and Degradability

Aggregates are resistant to degradation and will persist in the environment.

### Ecotoxicity

Not expected to be toxic to aquatic organisms.

## 13. Disposable Consideration

### Likely Residues/Waste Product

None

### Safe Handling of Residues/Waste Product

Aggregates are inert but should be disposed of in accordance with local and national legal requirements. See the Environmental Protection Act 1990 'Duty of Care' and other current legislation.

## 14. Transport Information

### Special Carriage Requirements

None - open vehicles to be sheeted to avoid dust nuisance

## 15. Regulatory Information

This product is NOT classified as dangerous for transport.

## 16. Other Information

### Training Advice

Wear and use of PPE

### Recommended Uses and Applications

Industrial and construction applications.

### Further Information

Marchington Stone Limited

Telephone 01663 765000

Key Data Used to Compile Data Sheet

HSE Guidance Note EH40/2000

PPE Regulations 1992

COSHH Regulations 1999

Environmental Protection Act 1990

HSE Crystalline Silica EH59

If you have purchased this product for supply to a third party for use at work, it is your duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected, of any hazards described in this sheet and any of the precautions which should be taken.

Further copies of this Safety Data Sheet may be obtained from Marchington Stone Limited.

