



MARCHINGTONSTONE

HEALTH & SAFETY PRODUCT DATA SHEET NATURAL AGGREGATES

Issue Date: July 2006

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.



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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



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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/m³
8 Hours T.W.A

Respirable Dust: O.E.S 4mg/m³
8 Hours T.W.A

Respirable Quartz: M.E.L 0.3mg/m³
Crystalline Silica SiO² 8 Hours T.W.A.

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



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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 CaCO_3 & 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.



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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



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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.