MARCHINGTON STONE LIMITED

HEALTH & SAFETY PRODUCT DATA SHEET

Issue Date: August 2006 **ROCK SALT (SODIUM CHLORIDE)**

1 . Identification of Substances & Company

ROCK SALT (SODIUM CHLORIDE)

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

2. Composition/Information on Ingredients

A 94% pure salt and has a characteristic reddish-brown colour owing to the presence of marl (an insoluble clay) which is the chief impurity

3. Hazards Identification

Unlikely to cause harmful effects under normal conditions of handling and use.

4. First Aid Measures

Summary of First Aid Procedures

Inhalation
Unlikely to be required, but if necessary treat symptomatically.

Skin Contact
After repeated or prolonged contact wash the skin with water.

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.

4 Continued

Ingestion

Vomiting is likely. Wash out mouth with water and give 200-300ml (half a pint) of water to drink. Obtain medical attention, especially if vomiting has not occurred.

Remove to fresh air and give water to drink. Seek medical attention if vomiting has not occurred.

Further Medical Attention.

Symptomatic, if necessary. No known delayed effects.

5. Fire Fighting Measures

Non-flammable. Will withstand temperatures up to its melting point and beyond without decomposing. No special fire fighting procedure, extinguisher media or explosion hazard is identified.

6. Accidental Release Measures

Personal Precautions
See 8.2

Methods for Cleaning
Clear up spillages. Transfer to a container for disposal or alternatively drench spillage with water.

7. Handling and Storage

Handling
Avoid prolonged skin contact. Avoid inhalation of high concentration of dust. Keep away from concentrated acids and common metals.

Storage
Keep away from concentrated acids. Rock salt can be stored outside. Keep away from valued vegetation.

8. Exposure Controls/Personal Protection

Wear suitable personal protection equipment.

8.1 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

O.E.S = Occupational Exposure Standard
T.W.A = Time Weighted Average

8.2 Personal protective Equipment.

Respiratory Protection
Suitable respiratory protection should be worn.

Hand Protection
Gloves

Eye Protection
Safety goggles should be worn whenever there is a risk of rock salt entering the eye.

Skin Protection
Protective Clothing should be worn.

9. Physical and Chemical Properties

9.1 Physical Data

Form	Crystalline solid
Colour	Red-brown
Odour	Odourless
Viscosity	N/A
Freezing point	N/A
Boiling point	1413°C
Melting point	802°C
Flash point	N/A
Explosive properties	N/A
Density (g/ml)	2165 at 20°C
Vapour Pressure	2.4 at 747°C
Specific Gravity	2.3
Solubility (in water)	Ready soluble

10. Stability and Reactivity

Conditions to Avoid
Conditions contributing to chemical instability.

Materials to Avoid
Reaction with concentrated acid will produce hydrogen chloride.

Hazardous Decomposition Products
None

Special Precautions
Under wet conditions will corrode many common metals, particularly iron, aluminium and zinc.

11. Toxicological Information

a. Eye Contact
High concentrations may cause irritation.

b. Skin
Dry salt and concentrated solutions will remove the natural greases from the skin resulting in dryness. Repeated and/or prolonged contact may cause irritation.

c. Ingestion
The swallowing of small amounts is unlikely to cause any adverse effects. Excessive doses may result in irritation of the gastro-intestinal tract, leading to nausea, vomiting and diarrhoea.

d. Inhalation
High concentration of dust may be irritant to the respiratory tract.

Long Term Exposure
Chronic effects may result from the ingestion of excessive amounts of either salt or brine. Ingestion of hypertonic solutions can cause disturbance of body electrolyte and fluid balance.

12. Ecological Information

12.1 Aquatic Toxicity Rating

96 hour LC50	(Fish) 6750 mg/l
48 hour EC50	(Daphnia) 2024 mg/l
72 hour IC50	(Algae) 3014 mg/l
Daphnia Subacute	062 mg/l
Fish Subacute	433 mg/l

12.2 Persistence and Degradation
None

12.3 Earthworm toxicity
1000/ug/cm²

12.4 Photodegradability
Infinite OH

13. Disposable Consideration

Likely Residues/Waste Product
None

Safe Handling of Residues/Waste Product
Rock salt 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

15.1 Chemicals (Hazardous Information & Packaging for Supply) Regulations 2002
Classification – None

Occupational Exposure Limits
HSE Guidance note EH40
OES 10 mg/m³ (8 hr TWA) total inhalable dust
4 mg/m³ total respirable dust.

16.Other Information

Wear and use of PPE

Further Information

Marchington Stone Limited
Telephone 01663 765000

Key Data Used to Compile Data Sheet
Health & Safety at Work act 1974
PPE Regulations 1992
COSHH Regulations 1999
Environmental Protection Act 1990
Control of Substances Hazardous to Health Regulations (COSHH) 2002
HSE Guidance Note EH40 (Occupational Exposure Limits)
Any authorised manual on First Aid by St John's/St Andrews/Red Cross
Manual Handling Operations Regulations
Data Sheet prepared in accordance with directive 91/155/EEC

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.