

**HEALTH & SAFETY PRODUCT DATA SHEET
ROCK SALT (SODIUM CHLORIDE)**

Issue Date: September 2020

1 . Identification of Substances & Company

ROCK SALT (SODIUM CHLORIDE)

Company:

Marchington Stone Limited
105 Buxton Road
High Lane
Stockport
SK6 8DX

Telephone: 01663 765000

Contact Email: sales@marchington.net

Hours of operation: 07:30 – 18:00 Weekdays, 08:00- 10:00 Saturday

2. Composition/Information on Ingredients

A 94% pure salt and has a characteristic reddish-brown colour owing to the presence of marl (an insoluble mineral) which is the chief impurity. The salt is treated with approximately 30 ppm sodium ferrocynaide as an antic-caking agent.

Alternative names: Sodium Chloride, Commons Salt, Halite

| Substance Name | EINEC No | CAS Number | Hazardous Ingredients |
|---------------------|-----------|-------------|---|
| Sodium Chloride | 231-598-3 | 007647-14-5 | Contains no Hazardous Ingredients |
| Sodium Ferrocynaide | 237-081-9 | 13601-19-9 | EC Directives 1272/2008 1999/45/EEC |

3. Hazards Identification

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

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4. First Aid Measures

Inhalation

Remove patient from exposure.

Skin Contact

Wash skin with water.

Eye Contact

Immediately and thoroughly irrigate with water or eyewash solution for at least 10 minutes. If symptoms develop seek medical attention.

Ingestion

Wash out mouth with water and give 200-300ml (half a pint) of water to drink. Obtain medical attention, especially if ill-effects occur.

Further Medical Attention.

Symptomatic treatment and supportive therapy as indicated.

5. Fire Fighting Measures

Suitable Extinguishing Media/Unsuitable Extinguishing Media

Non-combustible. Use extinguisher suitable for the surrounding fire.

Special Exposure Hazards in Fire

None

Special Protective Equipment for Fire Fighters

None

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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.
- Spillages or uncontrolled discharges into water course, drains or sewers must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body.

7. Handling and Storage

Handling

Avoid contact with eyes. Avoid prolonged skin contact. Atmospheric levels should be controlled in compliance with the occupational exposure limit for dust. Keep away from concentrated acids and common metals. Static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially where a spark could prove hazardous.

Storage

Keep away from concentrated acids. Rock salt can be stored outside but will absorb moisture over time. Care should be taken to avoid runoff into water or onto vegetation.

8. Exposure Controls/Personal Protection

8.1 Exposure Control Limits/Source

| Exposure Control Limits/Source | | | | |
|--------------------------------|-------|----------------------|-------|--------|
| Total Inhalable Dust | W.E.L | 10 mg/m ³ | 8 hrs | T.W.A. |
| Respirable Dust | W.E.L | 4 mg/m ³ | 8 hrs | T.W.A. |

O.E.S = Occupational Exposure Standard

T.W.A = Time Weighted Average

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8.2 Personal Protective Equipment.

Respiratory Protection

An approved dust mask should be worn if exposure to levels above the occupational exposure limit is likely. Occupational Exposure Standard (UK HSE Guidance Note EH40).

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

| Physical Data | |
|------------------------------------|---|
| Form | Crystalline solid |
| Colour | Red-Brown |
| Odour | Odourless |
| Boiling Point | 1413°C |
| Melting Point | 802°C |
| Density of Sodium Chloride (g/ml): | Up to 2.165 at 20°C |
| Bulk Density | 1.2 to 1.5 approx. |
| Solubility (Water) | Freely soluble, with some insoluble marlstone residue |
| NOMINAL PARTICLE SIZE RANGE: | |
| Dryrox 10 | 0-10mm |
| Dryrox 6 | 0-6mm |
| Thawrox 10 | 0-10mm |
| Thawrox 6 | 0-6mm |

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10. Stability and Reactivity

Hazardous Reactions

Reaction with concentrated acid will produce hydrogen chloride.

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

11. Toxicological Information

Eye Contact

Dust may cause irritation.

Skin Contact

Will remove the natural greases from the skin resulting in dryness, cracking and possibly dermatitis. Repeated and/or prolonged contact may cause irritation.

Ingestion

The swallowing of small amounts is unlikely to cause any adverse effects. May cause vomiting and diarrhoea.

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

Environmental Fate and Distribution

High tonnage material with wide disperse use. Solid with low volatility. The product is soluble in water. The product has no potential for bioaccumulation. The product is predicted to have high mobility in soil.

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Toxicity

Low toxicity to aquatic organisms.

Effect on Effluent Treatment

Adverse effects would not be expected.

13. Disposable Consideration

Rock salt should be disposed of in accordance with local and national and European Community requirements.

14. Transport Information

Not classified as dangerous for transport.

15. Regulatory Information

Not classified as dangerous for supply or use.

16. Other Information

Uses: Highways and Footway de-icing.

Further Information

Marchington Stone Limited
Telephone 01663 765000

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Legal Notice

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.

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