Material Safety Data Sheet

1. Identification of the Substance and Company

PRODUCT NAME ROCK SALT: GROUND ROCK SALT

Details of the supplier of this material safety data sheet:

Online Rock Salt
Mickering Lane
Aughton
Lancashire
L39 6SR
Tel: 01695 425 038
Email: info@onlinerocksalt.co.uk

Emergency Phone Number:
IN AN EMERGENCY DIAL 999
For specialist advice in an emergency: 0844 415 4051

2. Hazards Identification

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

3. Composition

Rock Salt is approximately 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 30ppm sodium ferrocyanide as an anti-caking agent.

Alternative Names: Sodium Chloride, Common Salt, Halite

CAS Number: Sodium Chloride 007647-14-5
Sodium Ferrocyanide 13601-19-9

EINECS Number: Sodium Chloride 231-598-3
Sodium Ferrocyanide 237-081-9

HAZARDOUS INGREDIENT(S): Contains no Hazardous Ingredients
EC Directives (EC) 1272/2008
1999/45/EEC

4. First Aid Measures

Inhalation: Remove patient from exposure.

Skin Contact: Wash skin with water.

Eye Contact: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. If symptoms develop, obtain medical attention.

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

Further Medical Treatment: Symptomatic treatment and supportive therapy as indicated.

5. Fire Fighting Measures

Non-combustible

Extinguishing Media: As appropriate for surrounding fire.

Fire Fighting Protective Equipment: No special requirements.

6. Accidental Release Measures

- Clear up spillages.
- Transfer to a container for disposal.
- Wash the spillage area with water.
- Spillages or uncontrolled discharges into water courses, 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 strong 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 excessive run-off into water or onto vegetation.

8. Personal Protection and Exposure Controls

Wear suitable protective clothing, gloves and eye/face 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)

	Time Weighted Average mg/m^3 (ppm)
Dust (Total Inhalable Dust)	10
Dust (Respirable Dust)	4

9. Physical and Chemical Properties

Form:	Crystalline solid
Colour:	Red-brown
Odour:	Odourless
Boiling Point (Deg C):	1413
Melting Point (Deg C):	802
Density of Sodium Chloride (g/ml):	Up to 2.165 at 20 Deg C
Bulk Density (g/ml):	1.2 to 1.5 approx
Solubility (Water):	Freely soluble, with some insoluble marlstone residue

NOMINAL PARTICLE SIZE RANGE:

Thawrox 10:	0-10mm
Thawrox 6:	0-6mm
Dryrox 10:	0-10mm
Dryrox 6:	0-6mm

10. Stability and Reactivity

Hazardous Reactions: Reactions with concentrated acid will produce hydrogen chloride. Under wet conditions, will corrode many common metals, particularly iron, aluminium and zinc.

11. Toxicological Information

Inhalation: High concentrations of dust may be irritant to the respiratory tract.

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

Eye Contact: Dust may cause irritation.

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

Long Term Exposure: Repeated ingestion of excessive amounts may 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.

Toxicity
Low toxicity to aquatic organisms.

Effect on Effluent Treatment
Adverse effects would not be expected.

13. Disposal Considerations

Disposal should be in accordance with local, national and European Community legislation.

14. Transport Information

Not classified as dangerous for transport.

15. Regulatory

Not classified as dangerous for supply or use.

16. Other Information

USES: HIGHWAYS DE-ICING, ETC.

Information in this publication is believed to be accurate and is given in good faith but the Customer should ensure the suitability for any particular purpose. Accordingly, Online Rock Salt gives no warranty as to the fitness of the Product for use and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. Freedom under Patent, Copyright and Designs cannot be assumed.

This data sheet was prepared in accordance with Directive 1999/45/EEC and the Classification, Labelling and Packaging (CLP) Regulations 2015.