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Chemical Safety Data Sheet

Product Name: Brown Rock Salt

Date: 22/09/2010

1. Identification of the Substance. Rock Salt.

2. Product Description.

Description:

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.

Alternative Names: Sodium Chloride, Common Salt, Halite

CAS Number: 007647 14 5

EINECS Number: 231 598 3

Hazardous Ingredients: Contains no hazardous ingredients. EC Directive 93/112/EC.

3. Hazardous Identification.

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

4. First Aid Measures.

Inhalation: Remove patient from exposure.

Skin contact: Wash skin with water.

Eye contact: Irrigate with eyewash or clean water for 10 mins. If symptoms continue seek 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.

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. Keep away from strong acid 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. Care should be taken to avoid excessive run-off into water or onto vegetation.

8. Exposure Control/Personal Protection.

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/m³ 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:	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
Nominal Particle Size Range:	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 possible 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 dispense use. Solid with low volatility. The product is soluble in water. The product has no potential for bioaccumulation. The product is predicted to have a 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, state or national legislation.

14. Transport Considerations.

Not classified as Dangerous for transport.

15. Regulatory Information.

Not classified as Dangerous for Supply/Use.

16. Other Information.

Uses: Highways de-icing.

This data sheet was prepared in accordance with Directive 93/112/EC and the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994. Information should be accurate and is given in good faith but the Customer should ensure the suitability for any particular purpose. Accordingly, we give 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.