

Rock Salt Shop - Specification and Safety Data Sheet

Product Specification - De-icing Rock Salt

Product: 6mm Low moisture Rock Salt for De-icing (BS 3247 fine grade 6.3mm) Date: July 2009

Rock Salt is extracted and crushed at a dedicated mine in Winsford, Cheshire. Containing a small quantity of anti-caking additive to maintain spreading properties after prolonged storage. The product is ideal for customers who need a de-icing product with a low moisture content.

Chemical Specification

Test methods are as specified in BS3247:1991 salt for spreading on Highways for Winter maintenance or equivalent.

Property	Unit	Specification	Typical Analysis
Sodium Chlorides	%m/m NaCl	>90.0	94.3
Soluble Sulphate	%m/m CaSO ₄	<2.5	1.6
Insolubles	%m/m	<7.5	4.0
Moisture	%m/m	<2.0	0.7
Anti-caking Agent	Mg/Kg	>30	60

Grading

Passing BS 410 Test Sieve	Specification % m/m	Typical Analysis
10 mm	100	100
6.3 mm	100	100
2.36 mm	30-80	60
0.3 mm	<20	13

Bulk Density

Delivered product has a bulk density of approximately 1200 kg/m³

Material Safety Data Sheet

1 Identification of the Substance and Company

PRODUCT NAME: ROCK SALT: GROUND ROCK SALT

Address/Phone Number:

Rock Salt Shop, 30 High Street, eccleshall , Staffordshire, ST21 6BZ

Tel: 01785 850 653

Emergency Phone Number: IN AN EMERGENCY DIAL 999 For specialist advice in an emergency telephone
Winsford (01606) 592201

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Product 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 INGREDIENT(S) Contains no Hazardous Ingredients
EC Directive 93/112/EEC

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Hazards Identification

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

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First Aid Measures

Inhalation: Remove patient from exposure.

Skin Contact: Wash skin with water. eyelids

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.

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Fire Fighting Measures

Non-combustible

Extinguishing Media: As appropriate for surrounding fire.

Fire Fighting Protective Equipment: No special requirements.

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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
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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. Care should

be taken to avoid excessive run-off into water or onto vegetation

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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/m³

(ppm)

Dust (Total Inhalable Dust) 10 Dust (Respirable Dust) 4

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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

Betrox 0-6mm

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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.

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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.

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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.

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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 Information

Not classified as dangerous for supply or use

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Other Information

USES: HIGHWAYS DE-ICING, ETC.

This data sheet was prepared in accordance with Directive 93/112/EC and the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.

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.