

## Brown De-Icing Salt 6mm Bulk

### 1. IDENTIFICATION OF THE SUBSTANCE

**PRODUCT NAME:** Rock salt:  
DRYROX, THAWROX – For use as a de-icing agent.

### 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 30 ppm 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

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### 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)

Dust (Total Inhalable dust)	10 mg/m <sup>3</sup> (ppm)
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:** Dryrox 10 0-10mm Dryrox 6 0-6mm Thawrox 10 0-10mm Thawrox 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 an 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.

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**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 INFORMATION

Not classified as dangerous for supply or use

### 16. OTHER INFORMATION

USES: HIGHWAYS DE-ICING, FERTILISER, ANIMAL FEED ETC

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