Rocksalt
Health and safety datasheet

whitestar
high performance packed products

SECTION 1: Identification of the substance and company

1.1 Product Identifier		
Product name	Rocksalt	
Substance	EINECS	CAS
Sodium chloride	231-598-3	007647-14-5

1.2 Relevant identified uses of the mixture and uses advised against

De-icing of highways

Any uses not mentioned above are advised against.

1.3 Details of the supplier of the safety data sheet

White Star Packed Products, 2nd Floor, 56 London Road, Alderley Edge, Cheshire. SK9 7DZ.

Customer service and sales:
Tel: 01543 229800 Option 2
Email: Orders@slh-group.co.uk

1.4 Emergency telephone number

Emergency telephone number (08:30 – 16:00)
01543 229800
Emergency telephone number outside office hours
999

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

None

SECTION 3: Composition/Information on ingredients

3.1 Mixtures

Rock salt is approximately 94% pure salt and has a characteristic reddish-brown colour owing to the presence of a chief impurity – marl (an insoluble mineral).

Hazardous Ingredients			
Substance	EINECS	CAS	Hazardous Ingredients
Sodium Chloride	231-598-3	007647-14-5	None EC directives 93/112/EEC

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation
Move the person to fresh air and keep at rest in a position comfortable for breathing. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops or if discomfort, coughing or other symptoms persist.

Following skin contact
Rinse abundantly with water. Contact a physician if irritation persists.

Following contact with eyes
Do not rub eyes in order to avoid possible cornea damage as a result of mechanical stress. Remove contact lenses if any. Incline head to injured eye, open the eyelid(s) widely and flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 10 minutes to remove all particles. Contact a specialist of occupational medicine or an eye specialist if irritation persists.

Following ingestion
Do not induce vomiting. Wash out mouth with water and given 200-300ml of water to drink.
If feeling unwell seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

The product when handled in the form supplied is not dangerous for the human health.

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4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Rock salt is non-flammable and non-combustible.
Use extinguisher suitable for any other materials present in the surrounding fire.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for fire-fighters

Material will not burn and will not be affected by other extinguishing media used to fight fires that may be present in surrounding areas.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See section 7 for guidance on handling the product
See section 8 for guidance on exposure controls and personal protective equipment.

6.2 Environmental precautions

See section 8 for guidance on exposure controls and personal protective equipment.

6.3 Methods and material for containment and cleaning up

Clear up spillages by transfer to a container for disposal or drench with water. Uncontrolled discharges into watercourses, ditches and drains must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body. Recycle and reuse material where possible.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear suitable protective clothing, gloves and eye / face protection – see section 8 for exposure controls / personal protection. Avoid contact with eyes. Avoid prolonged contact with skin. Atmospheric levels should be controlled in compliance with the occupational exposure limit for dust. Static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially when a spark could prove hazardous.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from concentrated acids and common metals. May be stored outside. Take care to avoid run-off into watercourses or vegetation.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Exposure limit values (Workplace Exposure Limits (WEL)

WEL
8 hr Time Weighted Average (TWA):
- Total inhalable dust 10 mg/m3
- Respirable dust 4mg/m3

8.2 Exposure controls

8.2.2 Individual protection measures such as personal protection equipment

Eye/face protection

Wear approved glasses or safety goggles according to EN 166 when handling to prevent contact with eyes.

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Skin protection
Use watertight, wear- and alkali-resistant protective gloves (e.g. nitrile-soaked cotton gloves with CE marking) internally lined with cotton; boots; closed long-sleeved protective clothing as well as skin care products (e.g. barrier creams) to protect the skin from prolonged contact..

Respiratory protection
When a person is potentially exposed to dust levels above exposure limits, use appropriate respiratory protection. The type of respiratory protection should be adapted to the dust level and conform to the relevant EN standard, (e.g. EN 149, EN 140, EN 14387, EN 1827) or national standard. An overview of the APFs of different RPE (according to EN 529:2005) can be found in the glossary of mEASE (16). Any RPE as defined above shall only be worn if the following principles are implemented in parallel: The duration of work (compare with "duration of exposure" above) should reflect the additional physiological stress for the worker due to the breathing resistance and mass of the RPE itself, due to the increased thermal stress by enclosing the head. In addition, it shall be considered that the worker's capability of using tools and of communicating are reduced during the wearing of RPE.

Thermal hazards
Not applicable.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a. Appearance: Reddish-brown coloured crystalline solid
b. Odour: Odourless
c. Odour threshold: No odour threshold, odourless
d. melting point: 802°C
e. Boiling point: 1413°C
f. Density of Sodium Chloride: Up to 2.165 g/ml @ 20°C
g. Bulk density: 1.2 – 1.5 g/ml (approx.)
h. Solubility: Freely soluble with some insoluble marl residue

9.2 Other information
Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

None expected under normal conditions.

10.2 Chemical stability

Stable at normal temperatures and under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

Reaction with concentrated acid will produce hydrogen chloride. Under wet conditions will corrode many common metals, particularly iron, aluminium & zinc.

10.4 Conditions to avoid
None

10.5 Incompatible materials

Concentrated acids

10.6 Hazardous decomposition products

Reaction with concentrated acid will produce hydrogen chloride. Otherwise, no hazardous decomposition products when stored and handled correctly.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on toxicological effects	
Acute toxicity	None
Skin contact	Repeated and/or prolonged contact may cause irritation
Eye contact	Dust may cause irritation
Ingestion	May cause vomiting and diarrhoea. Small amounts unlikely to cause adverse effects
Inhalation	High concentrations of dust may be an irritant to the respiratory tract
Long term exposure	Repeated ingestion of excessive amounts may cause disturbance of body electrolyte and fluid balance

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SECTION 12: Ecological information

Usually, a high tonnage material with wide disperse use. Solid with low volatility. Soluble in water.

12.1 Toxicity

Low toxicity to aquatic organisms. Adverse effect of effluent treatment would not be expected.

12.2 Persistence and degradability

Rock salt is resistant to degradation and will persist in the environment under normal environmental conditions.

12.3 Bioaccumulative potential
None

12.4 Mobility in soil

Predicted to be high.

12.5 Results of PBT and vPvB assessment

SECTION 13: Disposal considerations

Product:
Not classified as Hazardous Waste, can be disposed of as normal industrial waste in line with local and national legislation. Natural aggregate content of rock salt can be readily reused or recycled.

SECTION 14: Transport information

Not classified as dangerous to transport. Open vehicles should be sheeted to avoid creation of nuisance dust and contain material.

SECTION 15: Regulatory information

Not classified as dangerous for supply or use. Prepared in accordance with the requirements of Retained REACH EU Regulation (UK)

SECTION 16: Other information

16.1 Indication of changes

This safety data sheet (Rev2.1 Jan2025) includes the information required to meet the provisions of Regulation (EU) No. 453/2010 and replaces all previous versions. References to Directive 1999/45/EC have been removed.

16.8 Disclaimer

The information on this data sheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user. It is implicit that the user is responsible for determining appropriate safety measures and for applying the legislation covering his/her own activities.

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