

# Material Safety Data Sheet

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## Identification of the Substance and Company

**PRODUCT NAME:** WHITE MARINE SALT: GROUND WHITE MARINE SALT

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## Product Description

WHITE MARINE SALT is approximately 99.9% pure salt

**Alternative Names:** Sodium Chloride, Common Salt

**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

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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. White 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/m<sup>3</sup>(ppm)

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

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## Physical and Chemical Properties

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**Form:** Crystalline solid

**Colour:** White

**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

**NOMINAL PARTICLE SIZE RANGE:**

0-6 mm

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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, aluminum and zinc.

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## Toxicological

**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 diarrhea. 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.

### Disposal Considerations

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

### Transport Information

Not classified as dangerous for transport

### Regulatory Information

Not classified as dangerous for supply or use

### Other Information

#### USES: HIGHWAYS DE-ICING, ETC.

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