

# Marine White Deicing Salt

## **SECTION 1 Identification of the substance/mixture and supplier**

### **1.1. Product identification**

**Commercial name** Marine White De-icing Salt

### **1.2. Relevant identified uses for the substance or mixture and unadvised uses**

**Use** Salt for highway winter maintenance

### **1.3. Information concerning supplier**

**Company identification** H C Slingsby PLC  
Otley Road  
Baildon  
BD17 7LW  
Tel: 01274 535030 Fax: 01274 535035  
Email: sales@slingsby.com

### **1.4. Number to call in the event of an emergency**

**Emergency tel no** (UK 999) (EU 112)

## **SECTION 2 Hazards identification**

### **2.1. Classification of the substance or mixture**

This preparation has not been regulated according to the European directives 67/548/CEE and/or 1999/45/CE and the regulation 1272/2008 CLP, their adaptations and their annexes.

### **EC classification 67/548 or EC 1999/45**

**Classification** Not classified

### **Hazard class and category code(s), Regulation (EC) N° 1272/2008 (CLP)**

Not Classified

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## 2.2. Labelling

### EC 1272/2008 (CLP) Labelling Regulations

**Hazard labelling** This product is not subject to regulation according to the European directives 67/548/CEE and/or 1999/45/CE and the regulation 1272/2008 CLP, their adaptations and their annexes.

## 2.3. Other hazards

### **Other undesirable health effects**

Possible minor irritation after prolonged contact due to the sodium chloride.  
In large quantities, possible slight irritation of the respiratory passage due to the sodium chloride

## SECTION 3 Ingredient composition/information

**Substance/Mixture** This product is a substance.

Primary ingredient: Sodium chloride  
EINECS Number: 231-598-3  
CAS Number: 7647-14-5  
Molecular formula: NaCl  
Molecular mass: 58.44g

Additives: Sodium decahydrate hexacyanoferrate  
(if the product is treated with an anti-caking agent)

Known hazardous ingredients: None.

## SECTION 4 First aid

### 4.1. Description of first aid measures

**-Inhalation** In case of dust inhalation, take the victim out into fresh air and lay them down. Call for medical assistance in case of respiratory difficulties.  
**- Contact with skin** Wash in lots of water.  
Ask for medical assistance in case of irritation.

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- **Contact with the eyes**                      Rinse immediately with lots of water. Consult an ophthalmologist if irritation occurs

- **Ingestion**                                      If the person is conscious, give him or her a glass of water. Do not attempt to induce vomiting without prior instruction.  
Consult medical assistance in the event of major ingestion.

## **4.2. Principal symptoms and effects, acute and long-lasting**

No information/data available

## **4.3. Indication of potential immediate medical help and specific treatment necessary**

No information/data available.

## **SECTION 5 Firefighting measures**

### **5.1. Extinguishing media**

- **Appropriate extinguishing agents**                      All extinguishing agents are suitable in case of fire in proximity to the product.

### **5.2. Specific hazards arising from the substance or mixture**

**Dangerously combustible products**                      Exposed to high temperatures and in large quantities, the product may release dangerous decomposition products such as carbon monoxide and dioxide.

### **5.3. Advice to fire-fighters**

#### **Special protective equipment for fire-fighters**

Wear breathing apparatus appropriate to the premises and to the risks associated with nearby products.

## **SECTION 6 Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

**Individual precautions**                                      Avoid contact with the eyes  
Personal protection: see section 8.

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## **6.2. Environmental precautions**

**Environmental precautions** Do not dispose of in natural waterways, drains or onto the ground.

## **6.3. Confinement and cleaning methods and material**

**Cleaning methods** Recuperate the spilt product and place in an appropriate container.  
Rinse abundantly with water.

## **6.4. Reference to other sections**

None necessary

## **SECTION 7 Handling and storage**

### **7.1. Precautions to take for safe handling**

**Handling** Personal protection: see section 8  
Avoid contact with the eyes.  
Under no circumstances eat, drink or smoke in the workplace.

### **7.2. Necessary conditions for safe storage, taking into account potential incompatibilities**

**Storage** Store this product in a cool, dry place  
It is recommended to use salt-resistant materials for machines, installations and constructions.

### **7.3. Specific end uses**

Salt for highway winter maintenance

## **SECTION 8 Exposure control/personal protection**

### **8.1. Control parameters**

**Professional exposure limits** Workplace Exposure Limits (UK HSE EH40)  
Long Term Exposure Limit (8hr time weighted average)  
Total Inhalable Dust: 10 mg/m<sup>3</sup>  
Respirable Dust: 4 mg/m<sup>3</sup>

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## 8.2. Exposure control

- **Respiratory protection**                      Wear a breathing apparatus while working in the presence of a high level of airborne NaCl particles. Anti-aerosol/dust filters type P1 (in compliance with the standard EN143).
- **Hand protection**                              Neoprene or nitrile type gloves, in compliance with the standard EN374). In case of repeated or prolonged skin contact, it is advisable to wear gloves.
- **Eye protection**                                Eye protection is recommended in case of excessive dust generation. Safety goggles (in compliance with the standard EN 166).
- Industrial hygiene**                              Wash your hands after working with the product.

## SECTION 9 Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state at 20°C:</b>	Crystalline powder. Agglomerated or non-agglomerated crystals in granules or tablets
<b>Colour:</b>	White.
<b>Odour:</b>	Odourless.
<b>pH:</b>	In an aqueous solution at 100g/l: 6.7-9.0.
<b>Fusion point [°C]:</b>	801.
<b>Boiling point [°C]:</b>	Not applicable.
<b>Flash point [°C] (see):</b>	Not applicable.
<b>Rate of evaporation:</b>	Not applicable.
<b>Inflammability (solid, gas):</b>	Not combustible.
<b>Explosivity limit:</b>	Not applicable.
<b>Vapour pressure [20°C]:</b>	Not applicable.
<b>Relative vapour density (air=1):</b>	Not applicable.
<b>Density:</b>	In a saturated solution at 20°C: 1.2.
<b>Water solubility:</b>	35.85g % g water.
<b>Log P (octanol/water) at 20°C:</b>	Not applicable.
<b>Self-combustion temperature [°C]:</b>	No data available.
<b>Decomposition point [°C]:</b>	No data available.
<b>Viscosity:</b>	Not applicable.
<b>Explosivity:</b>	Non-explosive.
<b>Combustive properties:</b>	Not combustible.

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**9.2. Other information**

Relative humidity at equilibrium at 20°C: 75.3%.

**SECTION 10 Stability and reactivity****10.1 Reactivity**

No information/data available.

**10.2. Chemical stability**

The product is chemically stable.

**10.3. Possibility of dangerous reactions**

Not subject to dangerous reactions.

**10.4. Conditions to avoid**

See section 7.

**10.5. Incompatible materials**

Oxidizing agents, strong acids, strong bases.

**10.6. Hazardous decomposition products**

In case of fire: see section 5.

**SECTION 11 Toxicological information****11.1. Information on toxicological effects**

**Acute toxicity** No known toxicity, LD50: 3.75g/kg (oral, rat).

**Chronic toxicity** The components are not included in the list of carcinogenic, mutagenic or teratogenic substances classified by the EU.  
No potential long term health effect is to be considered.

**Information on the probable means of exposure**

- **Inhalation** In large quantities, the dust can cause irritation to the respiratory passages due to the sodium chloride.
- **Contact with the eyes** Possible slight irritation upon prolonged contact due to the sodium chloride.
- **Contact with the skin** Possible slight irritation upon prolonged contact due to the sodium chloride.

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- Ingestion No risk for normal use.

## **SECTION 12 Ecological information**

### **12.1. Toxicity**

#### **About the product**

Do not dispose of in natural waterways, drains or onto the ground.

#### **Ecotoxic effects**

Toxicity regarding:

- Water fleas: C.L. 50-24h: 4.800mg/l

- Fish – Zebra-fish: C.L. 50-24h: 9.000mg/l

### **12.2 Persistence and degradability**

No information/data available.

#### **Biodegradability**

No data available

### **12.3. Bioaccumulation potential**

Not bioaccumulable.

### **12.4. Soil mobility**

Has an influence on the surface of plants (metabolic disturbance) and on the soil (mineral imbalance).

### **12.5. PBT and VPVB evaluation results**

No information/data available.

### **12.6 Other harmful effects**

No information/data available.

## **SECTION 13 Disposal considerations**

### **13.1. Waste treatment methods**

#### **General points**

Destroy in compliance with local/national safety regulations in force.

#### **Product waste disposal**

Disposal should be in accordance with local, state or national legislation

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## **SECTION 14 Transport Information**

**General information**                      The product is not subject to transport restrictions: - By road RID/ADR – By sea OMI/IMDG – By air OACI/IATA

**14.1. UN number**

Not classed in transport of Dangerous Merchandise.

**14.2. UN expedition name**

Not classed in transport of Dangerous Merchandise.

**14.3. Transport danger classification**

Not classed in transport of Dangerous Merchandise.

**14.4. Packaging group**

Not classed in transport of Dangerous Merchandise.

**14.5. Environmental dangers**

- Marine-IMDG pollutant                      No.

**14.6. Specific precautions to be taken by the user**

No specific precautions (product not transport classified).

**14.7. Loose transport complying with annex II of the MARPOL convention 73/78 and IBC collection**

Not concerned.

## **SECTION 15 Regulatory information**

**15.1. Substance and/or mixture-specific regulations relating to health, safety and the environment**

Ensure that all national and local regulations are adhered to.

**15.2. Chemical safety evaluation**

No information/data available.

## **SECTION 16 Other information**

**Revision**                      This SDS has been revised according to Regulation (EC) 2015/830.