

**MATERIAL SAFETY DATA SHEET**  
**White De-icing 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 name: Landowner Products Ltd  
Address: Farley, Much Wenlock, Shropshire, TF13 6NX  
Tel: 01952 727754  
Emergency Tel: 01952 727754  
Email: sales@landowner.co.uk

**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

**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.
- 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.

### 6.2. Environmental precautions

#### **Environmental precautions**

ground.

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

### 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>

### 8.2. Exposure control

#### - Respiratory protection of a high

Wear a breathing apparatus while working in the presence  
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 generation.

Eye protection is recommended in case of excessive dust  
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

#### Physical state at 20°C:

Crystalline powder.  
Agglomerated or non-agglomerated crystals in granules or  
tablets

#### Colour:

White.

#### Odour:

Odourless.

#### pH:

In an aqueous solution at 100g/l: 6.7-9.0.

#### Fusion point [°C]:

801.

#### Boiling point [°C]:

Not applicable.

#### Flash point [°C] (see):

Not applicable.

#### Rate of evaporation:

Not applicable.

#### Inflammability (solid, gas):

Not combustible.

#### Explosivity limit:

Not applicable.

#### Vapour pressure [20°C]:

Not applicable.

#### Relative vapour density (air=1):

Not applicable.

#### Density:

In a saturated solution at 20°C: 1.2.

#### Water solubility:

35.85g % g water.

#### Log P (octanol/water) at 20°C:

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 combusive.

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

- 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

## **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.