

## Sodium Chloride

**SECTION 1 Identification of the substance/mixture and supplier****1.1. Product identification**

**Commercial name** Salt (sea salt, rock salt, vacuum salt)

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

**Use** Salt for food and industrial use

**1.3. Information concerning supplier****Company identification**

HC Slingsby plc, Otley Road, Bradford,  
BD17 7LW  
T: +44(0)800 294 4440  
E: [sales@slingsby.com](mailto:sales@slingsby.com)  
W: [www.slingsby.com](http://www.slingsby.com)

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

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

**SECTION 2 Danger 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 dangers

**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. First aid description

**-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 Fire prevention measures****5.1. Extinguishing a fire**

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

**5.2. Specific dangers resulting 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 Measures to be taken in case of accidental dispersion****6.1 Individual precautions, protective equipment and emergency procedures**

**Individual precautions** Avoid contact with the eyes

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Personal protection: see section 8.

**6.2. Environmental protection 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 final uses**

No information/data available

**SECTION 8 Exposure control/personal protection****8.1. Control parameters**

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**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****Personal protection****- 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. Essential physical and chemical property information****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.

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**Important Note:** The information contained in this document is given in good faith and is to the best of suppliers Knowledge correct at the date of publication, but it is for the users to satisfy themselves of the suitability of the product for their purpose.

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<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.

**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. Dangerous 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.

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## 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.
- **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 Considerations concerning disposal

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**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 Information relating to transport**

- 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



**Sodium Chloride****15.2. Chemical safety evaluation**

No information/data available.

**SECTION 16 Other information**

**Revision**                      This SDS has been revised according to the new format from regulation 453/2010