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## 1. Identification of the substance/preparation

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Road Salt

**CAS nr:** 7647-14-5

**EG-nr:** 231-598-3

**Other name:** Sodium chloride (NaCl)

**Distributor:** Salinity UK Ltd  
PO box 227 Didcot  
Oxon OX1 11 AB

Tele: +44 1235 832 086  
Fax: +44 787 635 0917

**Emergency Advice:** Poisons information center 112

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## 2. Composition/Information on ingredients

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<i>Name of component</i>	<i>CAS-nr</i>	<i>concentration (%)</i>		
Sodium Chloride	7647-14-5	98 till 100%	-	-

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## 3. Possible Hazards

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Not classified as a dangerous product according to the EC-guideline in the latest version.

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## 4. First aid measures

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**General Information** – Consult physician with continuous complaints.

**In case of inhalation** – In case of inhalation ensure fresh air.

**In case of skin contact** – In case of skin contact rinse off with water.

**In case of eye contact** – In case of eye contact rinse thoroughly with water.

**After swallowing** – Rinse mouth with water and drink plenty of water.

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## 5. Fire-fighting measures

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The product is not combustible.

In the event of fire: Hydrogen Chloride (HCL) can be set free.

In the event of fire do not breath fumes.

Collect contaminated fire fighting water separately, may not be discharged into the drains.

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## 6. Measures during unintentional release

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Avoid dust formation.

Pick up mechanically.

Do not discharge into the drains or bodies of water.

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## 7. Handling and Storage

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### **Advice on safe handling**

No special measures necessary if used correctly.

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**Storage**

Sodium Chloride dissolves in water, thus it should be stored in a dry place.

Sodium Chloride and water is corrosive on most metals.

Sodium Chloride is stable during storage.

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**8. Exposure controls / personal protection**

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Avoid dust formation.

In case of dust formation wear goggles, micro mask and protective gloves.

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**9. Physical and chemical properties**

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<i>Description</i>	Crystalline, colorless, odorless
<i>Chemical name</i>	NaCl
<i>Molvikt</i>	58,4 g/mol
<i>Densitet</i>	2 160 kg/m <sup>3</sup> , bulk density 1 100 till 1 400 kg/m <sup>3</sup>
<i>Melting point</i>	801 °C
<i>Boiling point</i>	1413 °C
<i>Vapor pressure</i>	1 mm Hg at 865 °C
<i>Solubility in water</i>	317 gram per liter at 20 °C
<i>pH</i>	neutral

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**10. Stability and reactivity**

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Stable under normal conditions.

Reactions with strong acids- Hydrogen chloride (HCL)

Reactions with oxidizing agents – chlorine gas (Cl<sub>2</sub>)

Corrosive to metals.

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**11. Toxicological information**

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**Acute toxicity – oral**

LD50 oral rat over 3 000 mg/kg body mass

**Acute toxicity - dermal**

LD50 dermal rabbit over 10 000 mg/kg body mass

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## 12. Ecological information

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### **Acute toxicity**

LC50 fish 96 h	> 7 500 mg/l water
LC50 Daphnia 48 h	> 1 000 mg/l water
EC50 algae ( <i>nitzscheria lineris</i> ) 120 h	2 430 mg/l

### **Chronic toxicity**

Fish ( <i>Salmo Gairdneri</i> ) NOEC mortality, 192 h	800 mg/l
Daphnia, LOEC, reproduction, 21 24-h periods	1 714 mg/l

### **Mobility**

In air	As an aerosol of solid particles
In water	Sodium Chloride dissolves easily in water

### **Degradation**

Sodium Chloride is split in Na<sup>+</sup> and Cl<sup>-</sup> in water. .

*Remark:* Sodium Chloride is a naturally occurring mineral in soil and water.

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## 13. Disposal considerations

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In accordance with local authority regulations

**EWC-kod**      06 03 14      Solid salts and solutions except those mentioned in 06 03 11 and 06 03 13.

Uncontaminated packaging may be taken for recycling. Contaminated packaging should be emptied as far as possible and discharged like product.

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## 14. Transportation information

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No hazardous material as defined by the regulations.

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## 15. Regulatory information

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The product is not classified as dangerous according to the European Chemical legislation, thus there is no demand for a product information sheet.

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## 16. Regulatory information

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### ***The product is not for human consumption.***

The information given is based on our present knowledge and is not meant to guarantee product properties. Recipients of our product must take responsibility for observing existing laws and regulations.

Refer to product information.