

## Sodium Chloride

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

- 1.1. Product identifier** Sodium Chloride
- Chemical Formula** NaCl
- REACH Registration No.** This product is exempt from obligation to register in accordance to Reg. (EC) 1907/2006 (natural mineral not modified chemically).
- Molecular weight** 58.45
- 1.2. Relevant identified uses of the substance or mixture and uses advised against** Food industry, animal feed
- 1.3. Details of the supplier of the safety data sheet** J C Peacock & Co Ltd  
North Harbour  
Ayr  
KA8 8AE  
Tel: 01292 292000 Fax: 01292 292001  
Email: [info@peacocksalt.co.uk](mailto:info@peacocksalt.co.uk)
- 1.4. Emergency tel no** (UK 999) (EU 112)

### SECTION 2 Hazards identification

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

**Classification in accordance With Regulation (EC) No 1272/2008 (CLP/GHS)** Not classified

**2.2. Label elements** Not subject to labelling in accordance with Regulation (EC) No. 1272/2009 (CLP)

**2.3. Other hazards** None

JC PEACOCK & COMPANY LTD, NORTH HARBOUR, AYR, KA8 8AE – TEL 01292 292 000 – FAX 01292 292 001

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## Sodium Chloride

### SECTION 3 Composition/information on ingredients

Components	Sodium Chloride 7647-14-5
Weight %	98-100
Index No.	-
EC No.	231-598-3
EU Classification	-

### SECTION 4 First aid measures

#### 4.1. Description of first aid measures

<b>Eye contact</b>	Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20mins. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing . Wash skin thoroughly with mild soap and plenty of water for at least 15 mins. Wash clothing before reuse. Get medical attention if irritation occurs.
<b>Inhalation</b>	Keep them quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.
<b>Ingestion</b>	If swallowed, wash mouth thoroughly with plenty of water and give water to drink. Get medical attention immediately.

**\*\*NEVER GIVE AN UNCONCIOUS PERSON ANYTHING TO DRINK\*\***

#### 4.2. Most important symptoms

##### And effects, both acute and delayed

None Known

#### 4.3. Indication of any

##### immediate medical attention and special treatment needed

In case of ingestion, the salt level in blood must be determined.  
Treat symptomatically and supportively.

## Sodium Chloride

### SECTION 5 Fire prevention measures

- 5.1. Extinguishing media** Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.
- 5.2. Special hazards arising from the substance or mixture** When heated to decomposition, may release poisonous and corrosive fumes of Na<sub>2</sub>O and HCl.
- 5.3. Advice for fire-fighters** Fire fighters should wear full protective clothing and self-contained Breathing apparatus (SCBA) on positive pressure mode.

### SECTION 6 Accidental release measures

- 6.1 Personal precautions, protective Equipment and emergency procedures** Wear protective clothing specified for normal operations (see section 8)
- 6.2. Environmental precautions** Prevent product from entering drains, ditches and rivers.
- 6.3. Methods and materials for Containment and cleaning up** Sweep up, place in a bag and hold for waste disposal or possible reuse.
- Cleaning methods** Recuperate the spilt product and place in an appropriate container. Rinse abundantly with water.
- 6.4. Reference to other sections** None.

### SECTION 7 Handling and storage

- 7.1. Precautions for safe handling** Keep containers tightly closed.
- 7.2. Conditions for safe storage, Including any incompatibilities** Store in a dry area away from incompatible materials (see 'materials to avoid').
- 7.3. Specific end use(s)** No specific requirements.

### SECTION 8 Exposure control/personal protection

#### 8.1. Control parameters

**Components** Sodium Chloride 7647-14-5

**Weight %** 98-100

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**ACGIH-TLV Data** Not determined

**UK (WEL) – TWA** Not determined

**Germany MAK (TRGS 900) data** Not determined

### 8.2. Exposure controls

**Ventilation requirements** Ventilation must be sufficient to maintain TLV-TWA below 3mg/m<sup>3</sup>, Respirable particles, and 10 mg/m<sup>3</sup>, inhalable particles (ACGIH recommendation for Particles (Insoluble or poorly soluble) Not otherwise specified (PNOS).

**Personal protective equipment:**

**-Respiratory protection** In case of significant or accidental dust emissions, dust mask should be worn.

**-Hand protection** Protective gloves.

**-Eye protection** Chemical safety goggles.

**-Skin and body protection** Body covering clothes and boots.

**Hygiene measures** Do not eat, smoke or drink where material is handled, processed or stored. Safety shower and eye bath should be provided. Wash hands thoroughly after handling and before eating or smoking.

## SECTION 9 Physical and chemical properties

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

<b>Appearance</b>	White crystals
<b>Odour</b>	None
<b>Odour threshold</b>	Not determined
<b>pH</b>	6.7 to 7.3
<b>Melting point/range</b>	801 °C
<b>Boiling point/range</b>	1465 °C
<b>Flash point</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not flammable
<b>Flammable/Explosion limits</b>	Not flammable/Not explosive
<b>Evaporation rate (ether+1)</b>	Not applicable under standard conditions
<b>Vapor pressure</b>	1mmHg (865 °C)
<b>Density</b>	2.165g.cm <sup>3</sup> (25 °C)
<b>Solubility:</b>	
<b>-Solubility in water</b>	Soluble
<b>-Solubility in other solvents</b>	Slightly soluble in alcohol

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<b>Partition coefficient (n-octanol/water)</b>	Not applicable
<b>Auto-ignition temperature</b>	Not self-ignitable
<b>Viscosity</b>	Not applicable
<b>Oxidising properties</b>	The structure indicates non oxidising properties

### SECTION 10 Stability and reactivity

<b>10.1 Reactivity</b>	No reactive hazards known/expected.
<b>10.2. Chemical stability</b>	Stable under normal conditions.
<b>10.3. Possibility of dangerous reactions</b>	Not expected to occur.
<b>10.4. Conditions to avoid</b>	Heating above decomposition temperature.
<b>10.5. Incompatible materials</b>	Alkaline products. Oxidising agents.
<b>10.6. Hazardous decomposition products</b>	HCl, NOx

### SECTION 11 Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity:

-Rat oral LD50	<b>3000 mg/kg</b>
-Rabbit dermal LD50	<b>10000 mg/kg</b>
-Rat inhalation LC50	<b>42000 mg/m<sup>3</sup></b>

<b>Skin corrosion/irritation</b>	Not irritant.
<b>Serious eye damage/irritation</b>	Not irritant.
<b>Respiratory or skin sensitisation</b>	Not a sensitizer.
<b>Mutagenicity</b>	Not established.
<b>Carcinogenicity</b>	Not classified by IARC Not included in NTP 13 <sup>th</sup> Report on Carcinogens.
<b>Reproductive toxicity</b>	There are no known or reported effects on reproductive function or fetal development.

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**Specific Target Organ Toxicity (STOT) – Single exposure** No effects on specific target organs have been identified.

**Specific target Organ Toxicity (STOT) – Repeat exposure** No effects on specific target organs have been identified.

### SECTION 12 Ecological information

- |   |   |
|---|---|
| <b>12.1. Toxicity</b>                           | NaCl is a seawater component.                       |
| <b>Aquatic toxicity</b>                         |   |
| <b>12.2 Persistence and degradability</b>       | Biodegradation is not relevant for inorganic salts. |
| <b>12.3. Bioaccumulation potential</b>          | Not applicable.                                     |
| <b>12.4. Mobility in soil</b>                   | Expected to be mobile due to high solubility.       |
| <b>12.5. Results of PBT and vPvB assessment</b> | No considered to be PBT or vPvB.                    |
| <b>12.6 Other adverse effects</b>               | Germany, water endangering classes (WGK) 1.         |

### SECTION 13 Considerations concerning disposal

- |                                      |  |
|--------------------------------------|--|
| <b>13.1. Waste treatment methods</b> |  |
| <b>Waste disposal</b>                | Dispose of in a safe manner in accordance with local/national regulations. |
| <b>Disposal of packaging</b>         | Dispose of in a safe manner in accordance with local/national regulations. |

### SECTION 14 Information relating to transport

- |                  |                |
|------------------|----------------|
| <b>ADR/RID</b>   | Not regulated. |
| <b>IMDG</b>      | Not regulated. |
| <b>ICAO/IATA</b> | Not regulated. |

## Sodium Chloride

### SECTION 15 Regulatory information

#### 15.1. Safety. Health and environmental regulations/legislation specific for the substance or mixture

EU	Reported in EINECS
Germany, water endangering Classes (WGK)	1
USA	Reported in the EPA TSCA Inventory.
Australia	Listed in AICS
Canada	Listed in DSL
China inventory	Listed in IECSC
Japan	Listed in ENCS
Korea	Listed
Mexico	Listed in the national Inventory of Chemical Substances (INSQ).
New Zealand Inventory	Listed in NZLoC
Philippines	Listed in PICCS
Turkey	Listed
Taiwan	Listed

### SECTION 16 Other information

This data sheet contains changes from the previous section(s)  
5, 9, 15