



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
- 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

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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

Eye contact	Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20mins. Get medical attention immediately.
Skin contact	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.
Inhalation	Keep them quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.
Ingestion	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.

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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 Na₂O 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

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Weight % 98-100

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/m³, Respirable particles, and 10 mg/m³, 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

Appearance	White crystals
Odour	None
Odour threshold	Not determined
pH	6.7 to 7.3
Melting point/range	801°C
Boiling point/range	1465°C
Flash point	Not applicable
Flammability (solid, gas)	Not flammable
Flammable/Explosion limits	Not flammable/Not explosive
Evaporation rate (ether+1)	Not applicable under standard conditions
Vapor pressure	1mmHg (865°C)
Density	2.165g.cm ³ (25°C)

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Solubility:

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-Solubility in water	Soluble
-Solubility in other solvents	Slightly soluble in alcohol
Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	Not self-ignitable
Viscosity	Not applicable
Oxidising properties	The structure indicates non oxidising properties

SECTION 10 Stability and reactivity

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

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

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

Skin corrosion/irritation	Not irritant.
Serious eye damage/irritation	Not irritant.
Respiratory or skin sensitisation	Not a sensitizer.
Mutagenicity	Not established.

Carcinogenicity	Not classified by IARC Not included in NTP 13 th Report on Carcinogens.
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Reproductive toxicity

There are no known or reported effects on reproductive function or fetal development.

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

12.1. Toxicity
Aquatic toxicity NaCl is a seawater component.

12.2 Persistence and degradability Biodegradation is not relevant for inorganic salts.

12.3. Bioaccumulation potential Not applicable.

12.4. Mobility in soil Expected to be mobile due to high solubility.

12.5. Results of PBT and vPvB assessment No considered to be PBT or vPvB.

12.6 Other adverse effects Germany, water endangering classes (WGK) 1.

SECTION 13 Considerations concerning disposal

13.1. Waste treatment methods

Waste disposal Dispose of in a safe manner in accordance with local/national regulations.

Disposal of packaging Dispose of in a safe manner in accordance with local/national regulations.

SECTION 14 Information relating to transport

ADR/RID Not regulated.

IMDG Not regulated.

ICAO/IATA Not regulated.

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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**

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