

# Sodium Chloride

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

## 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

|                        |   |
|------------------------|---|
| Product Name           | Salt  |
| Chemical Name          | Sodium chloride; NaCl   |
| CAS No.                | 7647-14-5   |
| EC No.                 | 231-598-3   |
| REACH Registration No. | Listed in REACH 1907/2006 Annexe V Section 7, exempted from registration. |

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

|                      |   |
|----------------------|---|
| Identified Use(s)    | Chemical manufacture and processing. Water treatment. Food and Feed industry. Laboratory chemical. highways de-icing. |
| Uses Advised Against | None.   |

### 1.3 Details of the supplier of the safety data sheet

|                        |  |
|------------------------|--|
| Company Identification | J.C Peacock & Co Ltd                       |
| Address of Supplier    | Jura Terminal, North harbour, Ayr, KA8 8AE |
| Telephone: ☎           | 01292 292000                               |
| E-mail                 | info@peacocksalt.co.uk                     |

### 1.4 Emergency telephone number

|   |   |
|---|---|
| Emergency Phone No.                             | +44(0)1235 239 670 (EU regional number)           |
| Contact   | CareChem  |
| Poisons Information Service (Birmingham Centre) | +00 448 706 006 266 NHS Direct - 0845 4647 or 111 |

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

**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.

# Sodium Chloride

## 2. SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use.

### 2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name Salt

Hazard Pictogram(s) None.

Signal Word(s) None.

### Salt

Hazard Statement(s) None.

Precautionary Statement(s) None.

Additional label requirements None.

### 2.3 Other hazards

None.

### 2.4 Additional Information

None.

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

| HAZARDOUS INGREDIENTS | CAS No.   | EC No. / REACH registration No. | %W/W  | Hazard Statement(s) | Hazard Pictogram(s) |
|-----------------------|-----------|---------------------------------|-------|---------------------|---------------------|
| Sodium Chloride       | 7647-14-5 | 231-598-3                       | >99.9 | Not Classified      | None                |

### 3.2 Mixtures

Not applicable.

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## 4. SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

|              |  |
|--------------|--|
| Inhalation   | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing |
| Skin Contact | Wash skin with soap and water.   |
| Eye Contact  | Flush eyes with water for at least 15 minutes. If symptoms develop, obtain medical attention                   |
| Ingestion    | Wash out mouth with water. Do not induce vomiting. Obtain immediate medical attention if ill effects occur.    |

### 4.2 Most important symptoms and effects, both acute and delayed

Large doses may result in irritation of the gastrointestinal tract leading to nausea, vomiting and diarrhoea. Dehydration and congestion may occur in internal organs.

May cause physical abrasion in contact with skin and eyes. Dust may have irritant effect on eyes. High concentrations of dust may be irritant to the respiratory tract. Repeated exposure by inhalation may produce adverse effects on the lungs.

### 4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary, treat symptomatically. Low acute toxicity under normal conditions of handling and use

## 5. SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

### 5.2 Special hazards arising from the substance or mixture

Low fire hazard.

### 5.3 Advice for firefighters

A self contained breathing apparatus and full protective clothing should be worn in fire conditions. Potential hazard from the combustion of packaging materials.



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## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

8.1.1 Occupational Exposure Limits Sodium chloride: No Occupational Exposure Limit assigned.

| Occupational Exposure Limits |                |                     |                                    |            |                           |       |
|------------------------------|----------------|---------------------|------------------------------------|------------|---------------------------|-------|
| SUBSTANCE                    | CAS No.        | LTEL (8 hr TWA ppm) | LTEL (8hr TWA mg/kg <sup>3</sup> ) | STEL (ppm) | STEL (mg/m <sup>3</sup> ) | Notes |
| Inhalable dust               | Not applicable |                     | 10                                 |            |                           |       |
| Respirable Dust              | Not applicable |                     | 4                                  |            |                           |       |

Region Source

United Kingdom UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

### 8.1.2 PNECs and DNELs

| Sodium Chloride                          |                  |                         |                  |
|--|------------------|-------------------------|------------------|
| DNEL / DMEL                              | Oral             | Inhalation              | Dermal           |
| Industry – Long Term – Local effects     |                  |                         |                  |
| Industry – Long Term – Systemic effects  |                  | 2069 mg/km <sup>3</sup> | 296 mg/kg bw/day |
| Industry – Short Term – Local effects    |                  |                         |                  |
| Industry – Short Term – Systemic effects |                  | 2069 mg/km <sup>3</sup> | 296 mg/kg bw/day |
| Consumer – Long Term – Local effects     |                  |                         |                  |
| Consumer – Long Term – Systemic effects  | 127 mg/kg bw/day | 443 mg/kg <sup>3</sup>  | 127 mg/kg bw/day |
| Consumer – Short term – Local effects    |                  |                         |                  |
| Consumer – Short Term – Systemic effects | 127 mg/kg bw/day | 443 mg/kg <sup>3</sup>  | 127 mg/kg bw/day |



# Sodium Chloride

Not applicable.

Evaporation rate Not applicable.  
 Flammability (solid, gas) Non-flammable  
 Upper/lower flammability or explosive limits Not applicable.  
 Vapour pressure 1.33hPa @ 865 °C  
 Vapour density No data available.  
 Density (g/ml) 2.16  
 Relative density 2.17

Solubility(ies) Solubility (Water) : freely soluble 317 g/l @ 20 °C

Solubility (Other) : Insoluble

Partition coefficient: n-octanol/water Not applicable.

Auto-ignition temperature Not applicable.

Decomposition Temperature (°C) No data available.

Viscosity Not applicable.

Explosive properties Not explosive

Oxidising properties Not oxidising.

## 9.2 Other information

None

## 10. SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

None anticipated.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Reaction with concentrated acid will produce hydrogen chloride.

### 10.4 Conditions to avoid Avoid

Dust generation. Avoid accumulation of dust. Under wet conditions, will corrode many common metals, particularly iron, aluminium and zinc.

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

None.

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## 11. SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

|                                |  |
|--------------------------------|--|
| Acute toxicity - Ingestion     | Not classified.<br>LD50 (rat): 3550 mg/kg bw<br>May cause vomiting and diarrhoea. The swallowing of small amounts is unlikely to cause any adverse effects.  |
| Acute toxicity - Skin Contact  | Not classified. LD50 (rabbit): >10,000 mg/kg bw  |
| Acute toxicity - Inhalation    | Not classified. LD50 (1 hour(s)) (rat): >42 mg/l   |
| Skin corrosion/irritation      | Not classified.<br><br>May cause physical abrasion in contact with skin Repeated or prolonged contact may result in dryness leading to mild irritation.  |
| Serious eye damage/irritation  | Not classified.<br>May cause physical abrasion in contact with eyes. Dust may cause irritation.  |
| Skin sensitization data        | Not classified.  |
| Respiratory sensitization data | Not classified.  |
| Germ cell mutagenicity         | Not classified.  |
| Carcinogenicity                | Not classified.  |
| Reproductive toxicity          | Not classified.  |
| Lactation                      | Not classified.  |
| STOT - single exposure         | Not classified.<br>High concentrations of dust may be irritant to the respiratory tract.   |
| STOT - repeated exposure       | Not classified.<br>Repeated exposure by inhalation may produce adverse effects on the lungs.<br><br>Repeated ingestion of excessive amounts may cause disturbance of body electrolyte and fluid balance. |
| Aspiration hazard              | Not classified.  |
| <b>11.2 Other information</b>  | The product is biologically inert.   |



## Sodium Chloride

Large doses may result in irritation of the gastrointestinal tract leading to nausea, vomiting and diarrhoea.  
Dehydration and congestion may occur in internal organs

### 12. SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Low toxicity to aquatic organisms. Not classified.

##### Toxicity - Aquatic invertebrates

Low toxicity to invertebrates. Not classified.  
LC50 (Daphnia magna) (48 hour): 874 mg/l  
NOEC (Daphnia magna) (7 day): 354 mg/l

##### Toxicity - Fish

Low toxicity to fish. Not classified.  
LC50 Bluegill Sunfish (L. macrochirus) (96 hour): 5840 mg/l  
NOEC (33 days) (Fathead minnow (Pimephales promelas)): 252 mg/l

##### Toxicity - Algae

Not classified. EC50 (Nitzschia linearis) (120 hour(s)): 2430 mg/l  
EC10 (Microorganisms): 5000 mg/l

##### Toxicity - Sediment Compartment

Not classified.

##### Toxicity - Terrestrial Compartment

Not classified.  
Soil micro-organisms  
EC50 (Short term): 3296 mg/kg Soil (Dry)  
EC10 (Long Term): 3507 mg/kg Soil (Dry)

#### 12.2 Persistence and Degradation

The product shows no evidence for biodegradability in water.  
The product shows no evidence for biodegradability in soil.

#### 12.3 Bioaccumulative potential

The product has no potential for bioaccumulation.

#### 12.4 Mobility in soil

The product is predicted to have high mobility in soil.

#### 12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

#### 12.6 Other adverse effects

Not known.

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## 13. SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Recover and reclaim or recycle, if practicable. Do not discharge into drains or the environment, dispose to an authorised waste collection point.

### 13.2 Additional Information

No special precautions are required for this product.

## 14. SECTION 14: TRANSPORT INFORMATION

**Not classified as hazardous for transport.**

- |   |                                       |
|---|---------------------------------------|
| 14.1 UN number  | Not applicable                        |
| 14.2 UN proper shipping name  | Not applicable                        |
| 14.3 Transport hazard class(es)   | Not applicable                        |
| 14.4 Packing group  | Not applicable                        |
| 14.5 Environmental hazards  | Not classified as a Marine Pollutant. |
| 14.6 Special precautions for user                                       | Not known                             |
| 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not known                             |

## 15. SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation

Not listed

REACH: ANNEX XIV list of substances subject to authorisation

Not listed

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REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures, and articles

Not listed

Community Rolling Action Plan (CoRAP)

Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants

Not listed

Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer

Not listed

SEVESO SUBSTANCE (Directive 2012/18/EU)

No.

### National regulations

Germany Wassergefährdungsklasse (WGK) Kenn-Numm : 270 WGK class 1 (official).

### 15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

### 15.3 Inventory Status

Listed in: Australia (AICS), Canada (DSL/NDSL), China (IECSC), European Union (EINECS/ELINCS), Japan (ENCS), New Zealand Inventory (NZIoC), Philippines (PICCS), South Korea (KECI), Switzerland, Taiwan (NECI), Thailand, Turkey, United States (TSCA).

### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16

### LEGEND

Hazard Pictogram(s) None.

Precautionary Statement(s) None.

## Sodium Chloride

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative