

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

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Not applicable.

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

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7.3 Specific end use(s)

Contact supplier for further information. See Also Section 1.2

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 ³)	STEL (ppm)	STEL (mg/m ³)	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

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DNEL / DMEL	Oral	Inhalation	Dermal
Industry – Long Term – Local effects			
Industry – Long Term – Systemic effects		2069 mg/km ³	296 mg/kg bw/day
Industry – Short Term – Local effects			
Industry – Short Term – Systemic effects		2069 mg/km ³	296 mg/kg bw/day
Consumer – Long Term – Local effects			
Consumer – Long Term – Systemic effects	127 mg/kg bw/day	443 mg/kg ³	127 mg/kg bw/day
Consumer – Short term – Local effects			
Consumer – Short Term – Systemic effects	127 mg/kg bw/day	443 mg/kg ³	127 mg/kg bw/day

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9.1 Information on basic physical and chemical properties

Appearance	Crystalline Solid
	Colour : Colourless
Odour	Odourless.
Odour threshold	Not established.
pH	Not applicable.
Melting point/freezing point	801 °C
Initial boiling point and boiling range	1461 °C
Flash Point	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

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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.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion

Not classified.
LD50 (rat): 3550 mg/kg bw
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

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.
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.

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STOT - single exposure

Not classified.

STOT - repeated exposure

High concentrations of dust may be irritant to the respiratory tract.

Not classified.

Repeated exposure by inhalation may produce adverse effects on the lungs.

Repeated ingestion of excessive amounts may cause disturbance of body electrolyte and fluid balance.

Aspiration hazard

Not classified.

11.2 Other information

The product is biologically inert.

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

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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.

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

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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

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

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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.

Acronyms

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

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