

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

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: **2** 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 +00 448 706 006 266 NHS Direct - 0845 4647 or 111

(Birmingham Centre)

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Seri 2:: S받아이에 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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Sodium Chloride

Serious 400 ECTION 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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6. SECTION 62 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Avoid dust generation. Avoid breathing dust. Wear suitable gloves and eye/face protection.

6.2 Environmental precautions

Avoid release to the environment. Contain spillages. Transfer to a lidded container for disposal or recovery.

6.3 Methods and material for containment and cleaning up

Sweep up solid substance. Transfer to a container for disposal or recovery. Wash the spillage area with water.

6.4 Reference to other sections

See Also Section 8, 13.

6.5 Additional Information

Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid prolonged skin contact. Avoid dust generation. Avoid inhalation of high concentrations of dusts. Provide adequate ventilation where operational procedures demand it. Keep away from strong acids and common metals. Static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially where a spark could prove hazardous.

7.2 Conditions for safe storage, including any incompatibilities

Store in dry place. Keep only in the original container in a cool, well-ventilated place away from moisture.

Storage temperature Ambient.

Storage life Stable under normal conditions. See Section: 10.2

Incompatible materials Strong acids See Section: 10.3

7.3 Specific end use(s)

Contact supplier for further information. See Also Section 1.2

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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	LTEL (8hr	STEL (ppm)	STEL	Notes
		TWA ppm)	TWA mg/kg ³)	,	(mg/m ³)	
Inhalable	Not		10			
dust	applicable					
Respirable	Not		4			
Dust	applicable					

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 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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Sodium Chloride	
Environment	PNEC
Aquatic Compartment (Including Sediment)	Fresh water 5 mg/l
	Marine water: Not applicable
	Intermittent releases: 19 mg/l
	Sewage treatment plant:500 mg/l
	Fresh water sediment (dry): N/A
	Marine water sediment (dry): N/A
Terrestrial Compartment	Soil (dry) 4.86 mg/kg
Atmospheric Compartment	N/A

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation. Atmospheric levels should be controlled in compliance with the occupational exposure limit.

8.2.2. Personal protection equipment

Eye Protection Wear suitable eye/face protection. If dust is likely to be generated: .

Goggles giving complete protection to eyes

Skin protection Wear protective gloves. The following materials are suitable for protective gloves (permeation time >= 8 hours): Nitrile rubber (0.35mm), PVC (0.5mm), Butyl rubber (0.5mm), Fluorocarbon rubber (0.4 mm), Polychloroprene CR (0.5 mm), Natural rubber (0.5mm). Check with protective equipment manufacturer's data.

Respiratory protection Normally no personal respiratory protection is necessary. An approved dust mask should be worn if dust is generated during handling. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate.

Thermal hazards None known.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

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Relative density

Sodium Chloride

Flash Polint Salt 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

Density (g/ml)

1.331F4 @ 603 C
No data available.
2.16

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

2.17

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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作が**SECTPON** 到: 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 classifie

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.

Germ cell mutagenicity Not classified.

Carcinogenicity Not classified.

Reproductive toxicity Not classified.

Lactation Not classified.

STOT - single exposure Not classified.

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

STOT - repeated exposure 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.

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Large doses hady 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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19: 13 ECTPON 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 hazardsNot 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.

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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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