

## 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	Elixir Garden Supplies Ltd.
Address of Supplier	Unit 1, Middlegate, Lancashire, LA33BN
Telephone: 🕿	Email: info@elixirgardens.co.uk
E-mail	Tel: +44 (0) 1524 741229

#### **1.4 Emergency telephone number**

39 670 (EU regional number)
39 670 (EU re

Contact CareChem

Poisons Information Service +00 448 706 006 266 NHS Direct - 0845 4647 or 111 (Birmingham Centre)



#### 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.

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

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.



#### 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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#### 6. SECTION 6: 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)

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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 E	xposure 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	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 <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

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## SODIUM CHLORIDE

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



Gardens®		
		Crystalline Solid
Odour Odour threshold pH Melting point/freezing p Initial boiling point and		Colour : Colourless Odourless. Not established. Not applicable. 801 °C 1461 °C
Flash Point Evaporation rate Flammability (solid, gas Upper/lower flammabili Vapour pressure Vapour density Density (g/ml) Relative density		Not applicable. Not applicable. Non-flammable Not applicable. 1.33hPa @ 865 °C No data available. 2.16 2.17
Solubility(ies)		Solubility (Water) : freely soluble 317 g/l @ 20 °C
		Solubility (Other) : Insoluble
Partition coefficient: n-o	octanol/water	Not applicable.
Auto-ignition temperatu	ıre	Not applicable.
Decomposition Tempe	rature (°C)	No data available.
Viscosity		Not applicable.
Explosive properties		Not explosive
Oxidising properties		Not oxidising.
9.2 Other information	I.	
		None
10. SECTION 10: STA	BILITY AND REACTIV	ITY
10.1 Reactivity		
		None anticipated.
10.2 Chemical Stabili	ty	
		Stable under normal conditions.

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## **SODIUM CHLORIDE**

10.4 Conditions to avoid Avoid	Reaction with concentrated acid will produce hydrogen chloride.		
	Dust generation. Avoid accumulation of dust. Under wet netals, particularly iron, aluminium and zinc.		
<b>10.5 Incompatible materials</b> Strong oxidising agents.			
10.6 Hazardous decomposition produ	cts None.		
11. SECTION 11: TOXICOLOGICAL INF	FORMATION		
11.1 Information on toxicological effe	cts		
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.		
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.		
	High concentrations of dust may be irritant to the respiratory tract.		

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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.
Large doses may result in irritation of t Dehydration and congestion may occu	the gastrointestinal tract leading to nausea, vomiting and diarrhoea. Ir in internal organs
12. SECTION 12: ECOLOGICAL INFO	DRMATION
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.

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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	
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code		

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## **SODIUM CHLORIDE**

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** 

A REACH chemical safety assessment has not been carried out.

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## **SODIUM CHLORIDE**

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)

Precautionary Statement(s)

None.

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