

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.04.2015

version 4

Revision: 06.04.2015

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

- **Trade name:** **Rock Salt**
- **Synonyms** Sodium Chloride
- **CAS Number:**  
7647-14-5
- **EC number:**  
231-598-3

#### · Registration number

*This product is exempted from the obligation to register in accordance to Reg. (EC) 1907/2006 (naturally occurring mineral that is not modified chemically).*

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

Relevant identified uses:

- De-icing salt
- Agricultural chemicals
- Feed stuffs
- No uses advised against.

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

##### · Manufacturer/Supplier:

Cleveland Potash Limited  
Boulby Mine  
Loftus  
Saltburn by the Sea  
Cleveland TS13 4UZ  
Telephone +44 (0) 1287 640 140  
Fax +44(0) 640 934  
Registered in England No GB 915392

#### 1.4 Emergency telephone number: In Europe call: +31-20-5815100 (24 hours a day, 365 days a year)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008** The substance is not classified according to the CLP regulation.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.

· **Information concerning particular hazards for human and environment:** No hazards to be particularly mentioned.

#### 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

#### 2.3 Other hazards

##### · Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

- **CAS No. Description**  
7647-14-5 sodium chloride 95%
- **EC number:** 231-598-3

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· SVHC None

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### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Generally the product does not irritate the skin.  
Rinse with warm water.  
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.  
NOTE: Never give an unconscious person anything to drink.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
The product is not flammable.  
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** None
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Hydrogen chloride (HCl)  
Chlorine
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear fully protective suit.  
Mount respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid formation of dust.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Wear protective clothing.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections** No dangerous substances are released.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.

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- Prevent formation of dust.
- **Information about fire - and explosion protection:**  
No special measures required.  
The product is not flammable.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**  
Store in dry conditions.  
Protect from heat and direct sunlight.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:**  
Ventilation must be sufficient to maintain TLV-TWA below 3 mg/m<sup>3</sup>, respirable particles, and 10 mg/m<sup>3</sup>, inhalable particles [ACGIH recommendation for Particles (Insoluble or poorly soluble). Not Otherwise Specified (PNOS)]
- **8.2 Exposure controls**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Do not eat or drink while working.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. (EN 374)
- **Eye protection:**



Safety glasses

- **Body protection:** Light weight protective clothing

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

##### Appearance:

Form:	Solid
Colour:	Crystalline Grey-white
Odour:	Odourless
Odour threshold:	Not determined
pH-value at 20 °C:	neutral

##### Change in condition

Melting point/Melting range:	804 °C
Boiling point/Boiling range:	1413 °C

- Flash point: Not applicable.
- Flammability (solid, gaseous): Product is not flammable.
- Self-igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.

##### Explosion limits:

##### Oxidising properties

None  
The substance does not contain any groups associated with oxidising properties.

##### Vapour pressure:

Not determined

##### Bulk density at 20 °C:

1,24-1,28 g/cm<sup>3</sup>

##### Solubility in / Miscibility with water at 20 °C:

358 g/l

##### Partition coefficient (n-octanol/water):

Not applicable  
This substance is inorganic chemical.

##### Viscosity:

Not applicable

##### 9.2 Other information

This product is solid. Viscosity is only relevant to liquids.  
No further relevant information available.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Corrosive action on metals.

Reacts with strong acids

#### 10.2 Chemical stability

No decomposition if used according to specifications.

#### 10.3 Possibility of hazardous reactions

Reacts with strong mineral acids (H<sub>2</sub>SO<sub>4</sub> and HNO<sub>3</sub>) forming hydrogen chloride.

#### 10.4 Conditions to avoid

No further relevant information available.

#### 10.5 Incompatible materials:

Acids

Oxidizing agents

#### 10.6 Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire.

Hydrogen chloride (HCl)

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Chlorine

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

#### LD/LC50 values relevant for classification:

##### 7647-14-5 sodium chloride

Oral	LD50	3000 mg/kg (rat)
Dermal	LD50	10000 mg/kg (rabbit)
Inhalative	LC50/ 1h	42000 mg/m <sup>3</sup> (rat)

#### Primary irritant effect:

• **on the skin:** No irritant effect.

• **on the eye:** No irritating effect.

• **Sensitisation:** No sensitising effects known.

#### Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

NTP (National Toxicology Program) : Substance is not listed

IARC (International Agency for Research on Cancer) : Substance is not listed

## SECTION 12: Ecological information

### 12.1 Toxicity

• **Aquatic toxicity:** No further relevant information available.

• **12.2 Persistence and degradability** The substance is inorganic; therefore no biodegradation tests are applicable.

### 12.3 Bioaccumulative potential

Does not accumulate in organisms

This substance is highly water soluble and dissociating.

### 12.4 Mobility in soil

Low potential for adsorption (based on substance properties).

This substance is highly water soluble and dissociating.

#### General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 12.5 Results of PBT and vPvB assessment

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Smaller quantities can be disposed of with household waste.

Disposal must be made in accordance with Local Authority requirements.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made in accordance with Local Authority requirements.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

- **14.1 UN-Number** None
- **14.2 UN proper shipping name** None
- **DOT, ADR, IMDG, IATA** None
- **14.3 Transport hazard class(es)** None
- **14.4 Packing group** Not applicable
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** -

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Registration status (Chemical Inventories listing) :**
  - United States (TSCA) : listed
  - Canada (DSL) : listed
  - Australia (AICS) : listed
  - Japan (ENCS) : listed
  - New Zealand (NZIoC) : listed
  - Korea (KECI) : listed
  - Philippines (PICCS) : listed
  - China (IECSC) : listed
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
  - ICAO: International Civil Aviation Organisation
  - ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances

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CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

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**\* Data compared to the previous version altered.**

Reason for revision: company logo change

The sections where alterations took place are marked with an asterisk in the left border

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