Complete Pool Controls

Salt Granules/ Pebbles

1. Identification of the substance/preparation and of the company/undertaking

1.1 Product Identifier
Trade Name: Salt Granules / Pebbles

1.2 Relevant Identified uses of the substance or mixture and uses advised against
Uses: Electric generation of chlorine / for water softening systems

1.3 Details of the supplier of the safety data sheet
Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

Telephone: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083
E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone
Tel: +44 (0) 8712 229081 (office hours) +44 (0) 3712 229084 (outside of office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
The product is not classified according to the CLP regulations

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
The product does not have to be labelled due to the calculation procedure of the 'General Classification guideline

Other labelling information
Further information: Handle in accordance with good industrial hygiene and safety practise

2.3 Other Hazards For Results of PBT and vPvB assessment see section 12.5

3. Composition/information on ingredients

3.1 Substances
Chemical nature: Solid

Remarks: No dangerous ingredients according to Regulation (EC) No. 1907/2006

Chemical Name	CAS-No.	EC-No.	Amount %
Sodium Chloride	7647-14-5	231-598-3	>99.9%w/w (on dry basis)

contains:part per million (ppm) levels of a non-toxic anti-caking additive, Sodium hexacyanoferrate (II) – E535

4. First Aid measures

4.1 Description of first aid measures

General advice	no known delayed effects
If inhaled:	Remove to fresh air
If Ingested:	Do NOT induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. If symptoms persist call a physician
In case of skin contact:	Wash off with plenty of water
In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Remove contact lenses. If symptoms persist, call a physician

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects: See Section 11 for more detailed information on health effects and symptoms

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat Symptomatically.

5. Fire fighting measures

5.1 Extinguishing media:

Extinguishing media:	Use extinguishing measures that are appropriate to the surrounding environment. (dry chemical, CO_2, water spray or foam).
Unsuitable media:	None

5.2 Special hazards arising from the substance or mixture

Specific Hazards : salt withstands temperatures up to its melting point and beyond without decomposing, but at very high temperatures (greater than approximately 800oc), a vapour may be emitted which is particularly irritating to the eyes.

5.3 Advice for fire-fighters

Protective equipment	No special precautions required
Further Information:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions:
- avoid prolonged contact with the skin and inhalation of dust concentrations
- no special protective clothing is required
- normal good handling and housekeeping practice is adequate
- an eyewash bottle with clean water should be available

6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up: Use mechanical handling equipment. Clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal

6.4 Reference to other sections

For personal protection see section 8
For disposal see section 13

7. Handling and storage

7.1 Precautions for safe handling

7.1.1 Protective measures

• avoid prolonged skin contact

• keep dust levels to a minimum, salt is non-flammable but static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially in environments where a spark could prove hazardous.

• atmospheric levels should be controlled in compliance with the workplace exposure limit (see Section 8.1)

7.1.12 Advice on general occupational hygiene:

• normal good handling and housekeeping practice is adequate

7.2 Conditions for safe storage, including any incompatibilities.

Storage areas and containers:	Keep in original containers. Store in a dry atmosphere.
Fire and explosion:	Normal measures for preventive fire protection
Further information:	No further data available
Common storage:	Keep tightly closed in a dry and cool place. Product is hygroscopic. Protect against water. Avoid moisture.

7.3 Specific end uses

Specific use(s)	Electric generation of chlorine / for water softening systems

8. Exposure control/personal protection

8.1 Control parameters

Component: Sodium Chloride **CAS No:** 7647-14-5

EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical and biological agents.

Regulatory Basis:	UK. EH40 Workplace Exposure Limits (WELS)
Regulatory List:	Time Weighted Average (TWA):
Value type:	Dust
Inhalable dust	10 mg/m^3
Respirable dust:	4 mg/m^3

8.2 Exposure controls

Engineering measures

Static electricity can be generated by pneumatic conveying; therefore pipes should be bonded and earthed, especially in environments where a spark could prove hazardous

Personal protective equipment

Respiratory protection	No specific recommendation made, but protection against nuisance dust must be used when levels above 10mg/m^3
Hand protection	Protective gloves complying with EN 374 Dry salt and concentrated solutions can cause withdrawal of fluid from the skin
Eye protection	Wear tightly fitting safety goggles approved to standard EN 166.
Skin and body protection	No special protective equipment required

Environmental exposure controls

• Contain any spillage

• Avoid discharges to the environment where possible

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Granules/ crystals or small pebbles
Colour:	White
Odour:	odourless
pH @ 20°C:	10.00 approx (10% solution)
Boiling point/boiling range:	1413°C
Flash Point	non-flammable
Melting point/melting range:	802°C
Density @ 20°C:	2.165 g/cm^3 (of crystalline solid at 20°c)
Water solubility:	35.6g/100g at 0°C 39.2g/100g at 100°C
Explosive properties:	Product is not explosive.

9.2 Other Information No other information available

10. Stability and reactivity

10.1 Reactivity

Advice: Reacts with strong sulphuric acid or nitric acid

10.2 Chemical stability

Advice: Stable under normal storage and handling conditions

10.3 Possibilty of hazardous reactions

Hazardous reactions: Reacts with strong sulphuric acid or nitric acid

10.4 Conditions to avoid

Conditions to avoid contact with strong sulphuric acid or nitric acid (hydrogen chloride gas is emitted)

10.5 Incompatible materials

Materials to avoid Under wet conditions can corrode many common metals, particularly iron, aluminium and zinc

10.6 Hazardous decomposition products

Haz. decomp. products: Trace amounts of hydrogen chloride gas may be evolved at temperatures in excess of 800°C

11. Toxilogical Information

11.1 Information on toxilogical effects

Acute Toxicity

Product	Test results
Sodium Chloride	Acute Oral LD50 Rat: 3,000 mg/kg

Primary Irritant effect

On the skin: Danger of mechanical irritation caused by dust particles

On the eye: Product dust may be irritating to eyes, skin and respiratory system

Further information

Relevant toxicity information: Handle in accordance with good industrial hygiene and safety practise.

Experience with human experience Health injuries are not known or expected under normal use

12. Ecological Information

12.1 Toxicity

A maximum value of 412 mg/l ensures the protection of all aquatic life (Source: Water Research Centre - September 1990)

Acute aquatic toxicity (Fish)	96hr	LC50	6,750	mg/l
Acute aquatic toxicity (Daphnia)	48hr	EC50	2,024	mg/l
Acute aquatic toxicity (Algae)	72hr	LC50	3,014	mg/l
Subacute aquatic toxicity (Fish)			433	mg/l
Subacute aquatic toxicity (Daphnia)			1,062	mg/l
BOD 5 day			0	mg/l
COD			0	mg/l
Earthworm toxicity			1,000	hg/cm2

12.2 Persistence and degradability

In water	Not applicable (quickly dissociates)
In soil	Not applicable (inorganic substance)
In sediment	Not applicable (inorganic substance)

12.3 Bioaccumlative potential — No potential for bioaccumulation

12.4 Mobility in soil — Predicted to have high mobility in soil due to its high solubility in water

12.5 Results of PBT and PvB assessment — According to Annex XIII of REACH Regulation, inorganic substances do not require assessment

12.6 Other adverse effects

Remarks: Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration

13. Disposal Considerations

13.1 Waste treatment methods

Product:	Disposal should be in accordance with local or national regulations
Contaminated packaging:	Disposal should be in accordance with local or national regulations
European Waste Catalogue No:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport Information

Not classified for transportation.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

This product is not classified according to the EU regulations

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

Indicates updated section