

AquaSPARKle Pure Spa Salt

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

1.1 Product Identifier

Trade Name: AquaSPARKle Pure Spa Salt

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: Water treatment, chemical manufacture, food industry, animal feed industry,

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

This product does not need to be labelled in accordance with EC Regulations and Directives

Other labelling information

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

2.3 Other Hazards

Unlikely to cause harmful effects under normal conditions of handling and use

3. Composition/information on ingredients

3.1 Mixture

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 patient from exposure
In case of skin contact: Wash off with plenty of water

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In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses - eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation continues.

If Ingested: DO NOT induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical advice if ill effects occur

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

5. Fire fighting measures

5.1 Extinguishing media:

Suitable media: This product is non flammable. Use extinguishing measures that are appropriate to the surrounding environment.

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

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

6.3 Methods and materials for containment and cleaning up

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

Protective measures

- 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.
- Avoid prolonged skin contact.
- Atmospheric levels should be controlled in compliance with the workplace exposure limit (see Section 8.1)

7. Handling and storage

7.1.1.2 Advice on general occupational hygiene:

Hygiene measures: Normal good handling and housekeeping practice is adequate

7.2 Conditions for safe storage, including any incompatibilities.

Storage Due to its hygroscopic nature, dried vacuum salt should be stored in a dry atmosphere
 Common Storage Store away from concentrated acids
 Conditions to avoid: Absorbs moisture if the relative humidity is greater than 75%

8. Exposure control/personal protection

8.1 Control parameters

8.1.1 Occupational Exposure Limits

- listed by H&SE (Guidance Note EH40)
- WEL Recommended Limits: Total Inhalable Dust is: 10mg/m³ (8hr TWA)
Respirable Dust is : 4mg/m³ (8hr TWA)

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/m³

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

Appearance	: white/colourless crystalline solid
Odour	: odourless
Odour threshold	: not applicable
pH	: 10.0 approx. (10% solution)
Melting point	: 802o c
Boiling point	: 1413o c
Flash point	: non-flammable
Flammability	: non-flammable
Upper flammability limit	: non-flammable
Lower flammability limit	: non-flammable
Vapour pressure	: 2.4mm Hg @ 747o c
Vapour Density	: not applicable
Relative density	: up to 2.165 g cm ⁻³ @20o c
Water solubility	: 35.9 g/100g @ 0o c ; 39.2 g/100g @ 100o c
Auto-ignition temperature	: non-flammable
Viscosity	: not applicable (solid)
Explosive properties	: not applicable
Oxidising properties	: not applicable

10. Stability and reactivity

10.1 Reactivity

Reactivity Reacts with strong sulphuric acid or nitric acid

10.2 Chemical stability

Chemical stability Stable under normal storage and handling conditions

10.3 Possibility of hazardous reactions

Hazardous reactions: Reacts with strong sulphuric acid or nitric acid

10.4 Conditions to avoid

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

10.5 Incompatible materials

Materials to avoid Contact with strong sulphuric acid or nitric acid (hydrogen chloride gas is emitted)

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. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Inhalation: high concentrations of dust may be irritant to the respiratory tract

Ingestion : Oral LD50, rat 3000 mg/kg

May cause vomiting and diarrhoea. The swallowing of small amounts is unlikely to have any adverse effects. Salt is an essential constituent of the diet and provides important body electrolytes and is the source of hydrochloric acid present in gastric juices. The blood stream contains nearly 1% sodium chloride

Skin : Repeated or prolonged contact may result in dryness leading to mild irritation

Eyes : Dust may cause irritation

Mutagenicity : Not considered to be a mutagen

Carcinogenicity : Not considered to be a carcinogen

Reproductive Toxicity : No reproductive effect: Acute Oral LD50 Rat: 3,000 mg/kg

Long Term Exposure : Repeated ingestion of excessive amounts may cause disturbance of body electrolyte and fluid balance

12. Ecological Information

12.1 Toxicity

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

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

Persistence and degradability	In water	Not applicable (quickly dissociates)
	In soil / sediment	Not applicable (inorganic substance)

12. Ecological Information

12.3 Bioaccumulative potential

Bioaccumulative potential No potential for bioaccumulation

12.4 Mobility in soil

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

12.5 Results of PBT and PvB :

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

12.6 Other adverse effects

Other adverse effects: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

13. Disposal Considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not reuse empty containers without commercial cleaning or reconditioning
- Do not discharge into drains or the environment ,dispose to an authorised waste collection point

Classification

Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority

14. Transport Information

Not classified as dangerous in the meaning of transport regulation

15. Regulatory information

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

15.2 Chemical Safety Assessment

No data available

16. Other information

Full text of H-statements referred to under sections 2 and 3

Further information

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

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■ Indicates updated section