



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

1.1 Product Identifier

Trade Name: AquaSPArkle Pure Spa Salt
 CAS No: 7647-14-5
 EC No: 231-598-3

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

Uses: Water treatment, chemical manufacture, food industry, animal feed industry,
 Against: No uses advised against have been identified

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) 1242 300271 (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

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not applicable

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 for preparations of the EU' in the latest version

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 Substances

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
In case of eye contact:	remove contact lenses if worn rinse eye thoroughly with eye wash solution or clean water for at least 10 minutes eyelids should be held away from the eyeball to ensure thorough rinsing if symptoms develop seek medical attention
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:	See Section 11 for more detailed information on health effects and symptoms
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5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:	This product is non flammable. Use extinguishing measures that are appropriate to the surrounding environment.
Unsuitable extinguishing media:	None

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire fighting:	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.
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5.3 Advice for fire-fighters

Special protective equipment	No special precautions required
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6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions:	<ul style="list-style-type: none">• 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
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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
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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
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6.4 Reference to other sections

For personal protection see section 8 For disposal see section 13
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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.

- due to its hygroscopic nature, dried vacuum salt should be stored in a dry atmosphere and away from concentrated acids
- 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

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Evaporation rate	: no data
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
Partition coefficient	: not applicable
Auto-ignition temperature	: non-flammable
Decomposition temperature	: no available data
Viscosity	: not applicable (solid)
Explosive properties	: not applicable
Oxidising properties	: not applicable

10. Stability and reactivity

10.1 Reactivity	Reacts with strong sulphuric acid or nitric acid
10.2 Chemical stability	Stable under normal storage and handling conditions
10.3 Possibility of hazardous reactions	Reacts with strong sulphuric acid or nitric acid
10.4 Conditions to avoid	contact with strong sulphuric acid or nitric acid (hydrogen chloride gas is emitted)
10.5 Incompatible materials	Under wet conditions can corrode many common metals, particularly iron, aluminium and zinc
10.6 Hazardous decomposition 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 - 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/cm ²

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 Bioaccumulative 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

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Sodium Chloride
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging Group	Not applicable
14.5 Environmental hazards	Not applicable
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	
IMDG:	Not applicable

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.

• Abbreviations and acronyms:

ADR:	Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR	Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
ICAO:	International Civil Aviation Organization
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances.
CAS:	Chemicals Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

█ Indicates updated section