



Paramount Pools & Spas

a division of PoolQuip Limited

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If you have a Chemical Emergency phone 111 and ask for Fire
In case of Poisoning contact The National Poisons Centre on 0800 POISON (0800 764 766)
The most current version of this document is available online at www.poolquip.co.nz

MATERIAL SAFETY DATA SHEET (MSDS)

1.0 Product & Company Information

Revision Date: April 2011
Product Name: **Sodium Chloride**
Other Names: Swimming Pool Salt
Uses: Increase the salinity of swimming pools for use with Salt Chlorinators
Distributor Details: As per above and any of our authorised retailers and distributors

2.0 Hazard Data

ERMA New Zealand Approval Code: HSR002722
HSNO Hazard Classification: 6.1E, 6.4A

3.0 Composition

Chemical Name: Sodium Chloride (NaCl)
CAS Number: 7647-14-5
Percentage Rating: 100%

4.0 First Aid Measures

Description of necessary measures according to routes of exposure.

Swallowed:	Vomiting will probably occur. Provided the patient is conscious give plenty of liquid to drink. Obtain immediate medical attention especially if vomiting has not occurred.
Eyes:	Irrigate with eyewash solution or water. If symptoms develop obtain medical help.
Skin:	Wash with plenty of water.
Inhaled:	Remove patient to fresh air. Keep warm and at rest. Give drinks if desired.
Advice to Doctor:	Treat symptomatically based on individual reactions of patient and judgement of doctor. Give water to drink. No need to induce vomiting. Irrigate eyes with copious quantities of slow flowing water for up to 15 minutes. Eyelids to be held open. Brush off clothing and wash skin thoroughly with water.
Aggravated medical	No information available on medical conditions which are aggravated from exposure to this product.

5.0 Fire Fighting Measures

Extinguishing Media	Use agents suitable for type of surrounding fire (dry chemical, CO ₂ , water spray or foam) Take into account other chemicals in the surrounding area.
Hazards from Combustion Products	Salt withstands temperatures up to its melting point and beyond without decomposing, but at very high temperatures (greater than approximately 800 Deg C) a vapour may be emitted which is particularly irritating to the eyes.
Special Protective Precautions and Equipment for Fire Fighters	As applicable to the combustion products associated with the fire
Flammability Conditions	Product is a non-flammable solid.
Hazchem Code	N/A

6.0 Accidental Release Measures

Emergency Procedures	Avoid prolonged contact with the skin and inhalation of dust concentrations, otherwise normal good handling and housekeeping practice is adequate. No special protective clothing is required.
Methods and Materials for Containment and Clean Up	Spillages should be swept up or may be safely water hosed to drain under normal circumstances.

7.0 Handling & Storage

Precautions for Safe Handling	Salt dust 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.
Conditions for Safe Storage (Including any compatibles)	Due to its hygroscopic nature, salt should be stored in a dry atmosphere and away from concentrated acids. Absorbs moisture if the relative humidity is above 75%.
Container Type	This product comes pre packaged in 25kg Bags.

8.0 Exposure Controls / Personal Protection

Occupational Exposure	As total dust 10mg/m ³ (8 hours TWA)
Limits	As respirable dust 4mg/m ³ (8 hours TWA)
Dangerous Exposure	Non Specified
Engineering Controls	Static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially in environments where a spark could prove hazardous

9.0 Physical and Chemical Properties

Appearance	Crystalline Solid, white / colourless
Formula	NaCl
Odour	None
Vapour Pressure	2.4mm Hg at 747 Deg C
Vapour Density	2.165 gm / cc (of crystalline solid at 20 Deg C)
Boiling Point	1413 Deg C

Melting Point	802 Deg C
Solubility in Water	35.9 g/100g at 0 Deg C, 39.2 g/100g at 100 Deg C
Specific Gravity	Not applicable
Flash Point	Non-flammable
pH	Not available
Rate of Solid Materials	No data available
Decomposition Temperature	No data available
Additional Information	No data available

10.0 Stability and Reactivity

Chemical Stability	Stable
Conditions to Avoid	Reacts with strong sulphuric acid or nitric acid to give hydrogen chloride gas
Incompatible Materials	Under wet conditions can corrode many common metals, particularly iron, aluminium and zinc. Stainless steel and monel resist attack.
Hazardous Decomposition Products	Trace amounts of hydrogen chloride gas may be evolved at temperatures in excess of 800 Deg C. Contains no water of crystallization. Does not react with alkalis at ordinary temperatures.
Hazardous Reactions	

11.0 Toxicological Information

Swallowed	Salt is an essential constituent of the diet. It provides important body electrolytes and is the source of hydrochloric acid present in the gastric juices. The blood stream contains nearly 1% sodium chloride. In normal industrial use salt is non-hazardous. LD50 3000mg/kg oral, rat
Eye	Dust may be irritating.
Skin	Irritation after prolonged contact
Inhaled	Dusts may be irritating

12.0 Ecological Information

A maximum value of 412 mg/L ensures the protection of all aquatic life

13.0 Disposal Considerations

Disposal Refer to the Local council bylaws and Land Waste Management Authority. Dissolved material in excess water is normally suitable for disposal in storm water system.

14.0 Transport Information

Land and Sea Transport

UN Number	Not applicable
Shipping Name	Sodium Chloride
Dangerous Goods Class	Not applicable
Packing Group	Not applicable
Hazchem Code	Not applicable

15.0 Regulatory Information

Poisons Schedule	N/A
EPG	N/A
AICS Name	Calcium Chloride
NZ Toxic Substance	N
HSNO Hazard Classification	6.1E and 6.4A
ERMA Approval Code	HSR002722

16.0 Other Information

None