



SAFETY DATA SHEET

PRODUCT NAME: POOL SALT

July 2013

IDENTIFICATION

Product Name: Salt
Other Names: Sodium Chloride
Product Code: CS25
Uses: Preserving, flavouring, water softening and a raw material for chemical processes, such as chlorine manufacture.
Supplier: HamChem Hamilton Chemicals Ltd, 355 Kahikatea Drive, Hamilton
Phone: 078475840, Fax 078475882, info@hamchem.co.nz

- In emergency dial 111, and then ask for Fire, Ambulance or Police as necessary.
- In case of poisoning phone National Poisons Centre – 0800 764 766

HAZARD IDENTIFICATION

WARNING

Keep out of reach of children

Read label and SDS thoroughly before use.

HSNO Classifications: 6.1E, 6.4A

Transport: Not classified as a Dangerous Good under NZS 5433:1999 Transport of Dangerous Goods on Land.

Hazard Statements: May be harmful if swallowed, inhaled or in contact with skin. Causes serious eye irritation.

Precautions: Wash all parts of the body that have come into contact thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Sodium Chloride	7647-14-5	> 95%
Moisture	7732-18-5	< 5%

FIRST AID MEASURES

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

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Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

Eye Contact: If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

Medical attention and special treatment: Treat symptomatically.

SYMPTOMS AND EFFECTS, ACUTE AND DELAYED, FROM EXPOSURE

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: No adverse effects expected, however, large amounts may cause nausea and vomiting.

Eye contact: A mild eye irritant.

Skin contact: Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Inhalation: Material may be irritant to the mucous membranes of the respiratory tract (airways).

Long Term Effects: Repeated ingestion of excessive amounts of Sodium chloride (salt) may cause disturbance of body electrolyte and fluid balance.

FIRE FIGHTING MEASURES

Hazards from combustion products: Non-combustible material.

Precautions for fire fighters and special protective equipment: Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Suitable Extinguishing Media: Not combustible, however, if material is involved in a fire use: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

ACCIDENTAL RELEASE MEASURES

Emergency procedures: If contamination of sewers or waterways has occurred advise local emergency services.

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Methods and materials for containment and clean up: Avoid breathing in dust. Work up wind or increase ventilation. Collect and seal in properly labeled containers or drums for disposal. Wash area down with excess water.

HANDLING & STORAGE

Precautions for safe handling: Avoid skin and eye contact and breathing in dust. Avoid handling which leads to dust formation.

Conditions for safe storage: Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure standards: No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH). However, Workplace Exposure Standard(s) for particulates: Particulates not otherwise classified: 8hr WES-TWA = 10 mg/m³ (inspirable dust) or 3 mg/m³ (respirable dust)

Engineering controls: Use local exhaust ventilation. Ensure eye bath and safety shower are close by and ready for use.

Personal protective equipment: Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If excessive dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White crystals
Odour:	Odourless
Specific Gravity:	1.32
Solubility:	Soluble
Flash point:	Not flammable
Flammability limits:	Not applicable
Boiling point:	1413°C
Melting point:	801°C
pH:	6.7-7.3 (aqueous solution)

STABILITY & REACTIVITY

Chemical stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to avoid: Avoid exposure to moisture.

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Incompatible materials: Incompatible with strong acids.

Hazardous decomposition products: None known.

Hazardous reactions: Under wet conditions, sodium chloride will corrode many common metals, particularly iron, aluminium, and zinc.

TOXICOLOGICAL INFORMATION

Toxicity data: Oral (rat) LD50: 3000mg/kg
Inhalation (rat) LC50: 42g/m³
Skin (Rabbit) LD50: >10g/kg

ECOLOGICAL INFORMATION

Avoid contaminating waterways.

DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options.

TRANSPORT INFORMATION

Not applicable – non hazardous.

REGULATORY INFORMATION

HSNO Classifications: 6.1E, 6.4A

OTHER INFORMATION

End of SDS.

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