



SAFETY DATA SHEET

PRODUCT NAME: POOL SALT

May 23

IDENTIFICATION

Product Name: Pacific Pool Salt, Premium Pool Salt
Other Names: Sodium Chloride
Product Code: PS20, PS20P, PS20PALLET, PSPREMPALLET
Uses: Preserving, flavouring, water softening and a raw material for chemical processes, such as chlorine manufacture.
Supplier: HamChem Hamilton Chemicals Ltd, 75 Ruffell Rd, Hamilton
Phone: 079744971 Web: www.hamchem.nz Email: sales@hamchem.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



GHS Classifications

Eye Irritation – Category 2

Signal Word: WARNING

Hazard Statements:

H319 – Causes serious eye irritation

Prevention:

P264 – Wash hands thoroughly after handling
P280 – Wear eye/face protection

Response:

P305 + P351 + P358 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337 + P313 – If eye irritation persists: Get medical advice/attention.

COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Sodium Chloride	7647-14-5	> 97%

FIRST AID MEASURES

Inhalation: Remove patient to fresh air. Keep warm and at rest. Give drinks if desired. Not normally a risk but some may experience some discomfort if working with dusty product. If exposure has occurred allow the victim to drink water.

Skin Contact: Wash with plenty of water. Brush off clothing and wash skin thoroughly with plenty of water.

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HamChem Ltd, 75 Ruffell Rd, Hamilton, New Zealand. Phone 07 974 4971 E-Mail - info@ hamchem.nz www.hamchem.nz

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Eye Contact: Irrigate with eyewash solution or water. If symptoms develop obtain medical help. Irrigate with copious quantities of slow flowing water for up to 15 minutes. Eyelids to be held open.

Ingestion: 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.

Medical attention and special treatment: Treat symptomatically.

FIRE FIGHTING MEASURES

Flammability: Non-flammable

Firefighting Agents: Use agents suitable for type of surrounding fire (dry chemical, CO2 water spray or foam).

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

Protective Equipment: As applicable to the combustion products associated with the fire.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: 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. An eyewash bottle with clean water should be available.

Spillages: Wash any residue with copious amounts of water. Disposal must be made in accordance with local and national regulations.

Spills: Collect solid salt in a conventional manner, wash the spill area down with water if necessary.

HANDLING & STORAGE

Handling & Storage: Due to its hygroscopic nature, salt based products should be stored in a dry atmosphere and away from concentrated acids. Absorbs moisture if the relative humidity is above 75%.

Product should be stored in such a way that it does not present a hazard if product were to fall.

Storage: Being hygroscopic, salt must be stored correctly to prevent and change in physical condition. Blocks and salt mixes should be stored in a dry atmosphere.

EXPOSURE CONTROLS & PERSONAL PROTECTION

Workplace Exposure Guidelines: There is no WES set by Worksafe NZ for Sodium Chloride (April 2022). However: Exposure standard for dust not otherwise specified: 10mg/m3 (inspirable dust) or 3mg/m3 (respirable dust)

Personal Protection:

Respiratory Protection: If the process is such that salt dust is generated, a disposable face mask should be worn.

Hand Protection: Gloves to be worn if prolonged contact is anticipated. Dry salt and concentrated solutions can cause withdrawal of fluid from the skin.

Eye Protection: Wear chemical safety goggles in situations where contact with the eyes may occur.

Skin Protection: Skin should be washed to remove salt. Dry salt and concentrated solutions can cause withdrawal of fluid from the skin.

Other Protective Measures: An eyewash and hand washing facilities should be readily available.

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PHYSICAL & CHEMICAL PROPERTIES

Blocks exhibit similar properties to those of salt

Appearance: Crystalline solids and pressed blocks
Colour: Brown / White
Boiling Point: 1413°C
Melting Point: 802°C
Flammability: Non-flammable
Flash Point: Non-flammable
Explosive Properties: Non-flammable
Oxidising Properties: Non-flammable
Vapour Pressure: 2.4mm Hg at 747°C
Density: 2.165 gm / cc (of crystalline solid at 20°C)
Water Solubility: 35.9 g/100g at 0°C
39.2 g/100g at 100°C
Viscosity: Not applicable
Vapour Density: Not applicable

STABILITY & REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Reacts with strong sulphuric acid or nitric acid to give hydrogen chloride gas.

Material to Avoid: Under wet conditions can corrode many common metals, particularly iron, aluminium and zinc.

Hazard Decomposition Products: Trace amounts of hydrogen chloride gas may be evolved at temperatures in excess of 800°C. Contains no water of crystallization. Does not react with alkalis at ordinary temperatures.

TOXICOLOGICAL INFORMATION

Eyes: Dust may be irritating

Skin: Irritation after prolonged contact

Ingestion: Ingestion should be avoided, seek medical advice if inadvertently swallowed.

Inhalation: Dusts may be irritating.

Carcinogenicity: Not considered to be a carcinogen.

Mutagenicity: Not considered to be a mutagen.

Reproductive Effects: Non identified.

ECOLOGICAL INFORMATION

Salt blocks and mixes are not considered to be ecotoxic.

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.

TRANSPORT INFORMATION

Not considered Dangerous Goods for Transport (NZS5433)

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REGULATORY INFORMATION

HSNO Classifications: 6.4A

EPA Approval: HSR002684 – Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2020

OTHER INFORMATION

End of SDS.