

SECTION 1: IDENTIFICATION

Product Name Rock Salt
Other Names: N/A
Chemical Family: N/A
Molecular Formula: Not applicable
Recommended Use: Various

Supplier Information

New Zealand Decorative Concrete Ltd T/A Permacolour
42A Egmont Road, Waiwhakaiho, New Plymouth
0508 444 555 or 06 755 3320
www.permacolour.co.nz

SECTION 2: HAZARDS IDENTIFICATION

Product is classified as hazardous according to Schedules 1 to 6 of the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 of the HSNO Act, 1996.

HSNO Classifications: 6.1E, 6.4A



Hazard Statements :

H304 May be harmful if swallowed H306 May be harmful if swallowed and enters airways
H315 Causes skin irritation H320 Causes eye irritation

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Sodium Chloride	NaCl	7647-14-5	100%

This product has not been classified as dangerous according to GHS

SECTION 4: FIRST AID MEASURES

For advice, contact **National Poison Centre (Phone New Zealand: 0800 764 766) or a doctor.**

Swallowed Give water to drink. No need to induce vomiting.
Eye Irrigate with copious quantities of slow flowing water for up to 15 minutes. Eyelids to be held open.
Skin Brush off clothing and wash skin thoroughly with plenty of water
Inhaled 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.

SECTION 6: 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: Spillages should be swept up or may be safely water hosed to drain under normal circumstances.

SECTION 7: HANDLING AND STORAGE

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Subsection 1: Workplace Exposure Guidelines

- Occupational Exposure:** As total dust 10mg/m³ (8hr TWA)
- Limits:** As respirable dust 4mg/m³ (8hr 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

Subsection 2: Engineering Controls

- 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	UNIT OF MEASUREMENT	TYPICAL VALUE
Appearance	-	Crystalline Solid
Colour	-	White/Colourless
Boiling Point	°C	1413
Melting Point:	°C	802
Flammability:		Non-flammable
Flash Point:	°C	Non-flammable
Explosive Properties:		Non-flammable
Oxidising Properties		Non-flammable
Vapour Pressure at 747°C	mm/Hg	2.4
Density of crystalline solid at 20°C	gm/cc	2.165
Solubility in Water	g/°C	35.9/100 at 0 39.2/100 at 100
Viscosity		N/A
Vapour Density		N/A

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to avoid:	Reacts with strong sulphuric acid or nitric acid to give hydrogen chloride gas.
Hazardous 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
Material to avoid:	Under wet conditions can corrode many common metals, particularly iron, aluminium and zinc. Stainless steel and monel resist attack.

SECTION 11: TOXICOLOGICAL INFORMATION

Eyes:	Dust may be irritating
Skin:	Irritation after prolonged contact
Ingestion:	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.
Inhalation:	Dusts may be irritating.
Carcinogenicity:	Not considered to be a carcinogen.
Mutagenicity:	Not considered to be a mutagen.
Reproductive Effects:	Non identified.

SECTION 12: ECOLOGICAL INFORMATION

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

Source: Water Research Centre - September 1990

96 hour LC 50 (Fish) 6750 mg/l
48 hour EC 50 (Daphnia) 2024 mg/l
72 hour IC 50 (Algae) 3014 mg/l
Daphnia Sub acute 1062 mg/l
Fish Subacute 433 mg/l
BOD 5 day 0 mg/l
COD 0 mg/l
Earthworm Toxicity 1000 hg/cm2

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

Material is not included in the requirements for "Transport of Dangerous Goods on Land"

EEC Classification: Under The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002, this material is not dangerous for supply or conveyance.

SECTION 15: REGULATORY INFORMATION

Regulatory Status:

Approved by New Zealand Environmental Protection Authority - HSNO Approval Code HSR002722.

Safety Phrases:

S 22 Do not breathe dust.

S 24/25 Avoid contact with skin and eyes.

S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

Risk phrases: S 36/37/38 Irritating to eyes, respiratory system and skin.

SECTION 16: OTHER INFORMATION

Storage: Being hygroscopic, salt must be stored correctly to prevent and change in physical condition. Dried salt should be stored in a dry atmosphere and unrefined solar salt in a medium dry atmosphere.

Reasons for Issue: Updating HSNO classifications. Replaces Safety Data Sheet dated 29 October, 2007.

Abbreviations:

CAS Number: Chemical Abstracts Number

IARC: International Agency for Research on Cancer

NIOSH: National Institute of Occupational Safety & Health

NOHSC: National Occupational Health and Safety Council

NZCI: New Zealand Chemical Inventory

REL: Recommended Exposure Limits

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Permacolour by New Zealand Decorative Concrete.