

1. Product and Company Identification

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Product Name Sodium Chloride Tablet
Part Number RXSOL-19-1301-010

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Name of Substance	Cas Number
Sodium Chloride	7647-14-5

3. Hazards Identification

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Signal Word	None
Hazard Statements	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals
Precautionary statements prevention	NOT Dangerous Goods according to the criteria of the for the Transport of Dangerous Goods by Road & Rail (ADG Code)
Precautionary statements response	No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. First Aid Measures

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Eye Contact	Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact	Remove contaminated clothing. Wash affected area with plenty of water. Get medical attention.
Inhalation:	Remove victim from exposure to fresh air. If not breathing, if necessary, provide artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if effects persist.
Ingestion:	Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

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Flammability	Non Flammable
General Measure	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move containers from fire area if it can be done without risk.
Suitable extinguishing media	In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions (dry chemical, carbon dioxide, water spray or foam).
Hazardous combustion products	Salt withstands temperatures up to its melting point and beyond decomposing, but at very high temperatures (greater than approximately 1413°C)

800 deg C) a vapour may be emitted which is particularly irritating to eyes. Contains no water of crystallization. Does not react with air at ordinary temperatures. When heated to decomposition at a very high temperature it emits toxic fumes of chlorine & sodium oxide

Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (helmet, coat, trousers, boots and gloves).
Specific Hazards Arising from the Chemical	Salt poses no fire or explosion hazard if involved in a fire, therefore use fire fighting procedures suitable for surrounding materials. Salt is not combustible.

6. Accidental Release Measures

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Spillage	Avoid the spillage or runoff entering drains, sewers or waterways. Avoid dust. Remove spillage with vacuum cleaner or collect in suitable waste disposal containers and seal securely. Do not wash with water.
Personal Protection	Avoid prolonged contact with the skin and inhalation of dust. Handling and housekeeping practice is adequate. No special protective clothing is required. An eyewash bottle with clean water should be available. Avoid contact with eyes. Isolate the danger area. Use clean, nonsparking tools.
Environmental Precaution	Do NOT let product reach drains or waterways. If product reaches drains or waterways, notify the Environmental Protection Authority or your local Waste Management Authority.
Evacuation Criteria	Evacuate all unnecessary personnel.

7. Handling and Storage

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Handling	Ensure an eye bath and safety shower are available and accessible. Use appropriate practices and recommended procedures. Wash thoroughly after use. Take measures against static discharges by bonding and grounding. Do not inhale product dust/fumes. Do not breathe vapour.
Storage	Store in a cool, dry, well-ventilated area. Store away from heat and sunlight. Closed when not in use. Inspect regularly for deficiencies. Avoid physical damage. Store away from incompatible materials. Due to its hygroscopic nature, salt should be stored in a dry atmosphere. Absorbs moisture if the relative humidity is above 75%. Do not store in areas where it does not present a hazard if product were to fall. This product is classified according to The Australian Code for the Transport of Dangerous Goods.
Advice on general occupational hygiene	Do not eat, drink or smoke when using this product. Avoid eating, smoking and using the toilet. Wash hands and face with soap and water before leaving the work site. Provide eye protection.

8. Exposure controls and personal protection

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Engineering Control	Under normal circumstances engineering controls are not required. If a level that is a discomfort to workers a local exhaust system and/or general exhaust is recommended to keep employees safe. Local exhaust ventilation is generally preferred because it can capture dust at its source, preventing dispersion of it into the general work area. If used by pneumatic conveying, therefore pipes should be bonded and grounded where a spark could prove hazardous.
Personal Protection	Eye/face Protection: Wear appropriate protective eye wear as described by OSHA's eye and face protection regulations. Skin and body protection: Wear appropriate protective clothing to prevent exposure. Respiratory Protection : No require as it is in Tablet Form.
Other Protection Measure	Skin should be washed to remove salt. Dry salt and concentrate.

Exposure Limit

fluid from the skin. An eyewash and hand washing facilities
Not Available



Gloves Suit

9. Physical and chemical properties

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Form	Tablet
Colour	Clear to white
Odour	Odourless
Odor Threshold	Not Applicable
pH	7-8 50g/l 20 °C
Melting Point	801°C (1473.8°F)
Boiling Point	1413 - 1465°C
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability (solid, gas)	No Data Available
Explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour Density	No Data Available
Specific Gravity	1.2 - 1.45 g/cm ³ at 20 °C
Partition coefficient	No data available
Explosive properties	None
Solubility	Freely Soluble
Ignition temperature	No information available.
Molecular Weight	58.44

10. Stability and reactivity

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Reactivity	Reaction with concentrated acid will produce hydrogen chloride. Under wet conditions, will corrode many common metals, iron, aluminium and zinc.
Stability	The product is chemically stable under standard ambient conditions (room temperature).
Conditions to avoid/ Incompatible materials	Material to avoid are Bromine trifluoride, lithium, strong acids. Under wet conditions can corrode many common metals, iron, aluminum and zinc. Stainless steel and monel resist attack.
Hazardous Decomposition Products	When heated to decomposition at a very high temperature it emits toxic fumes of chlorine & sodium oxide. May evolve hydrogen chloride when in contact with strong acids.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

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Rout Of Entry	Inhalation. Ingestion.
Toxicity to Animal	WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute toxicity (LD50): 3000 mg/kg [Rat.]. Acute dermal toxicity (LD50): >10000 mg/kg [Rabbit]. Acute toxicity of the dust (LD50): >10000 mg/m ³ 1 hours [Rat].
EyeIrritant	Dust exposure may cause physical irritation to the eyes because of the particulate nature of the product.
Ingestion	Salt is an essential constituent of the diet. It provides important body electrolytes and is the source of hydrochloric acid in the gastric juices. The blood stream contains nearly 1% sodium chloride. In normal industrial use salt is non-hazardous. Acute toxicity of the dust (LD50): >10000 mg/m ³ 1 hours [Rat].

toxic effects can result from the ingestion of excessive amounts of either salt or brine. Salt should not be used as an emetic. High concentrations produce inflammatory reactions in the gastrointestinal tract and can cause vomiting, convulsions and collapse. The ingestion of hypertonic solutions can cause fatal disturbance of body electrolyte and particularly in the young and elderly. Less than a tablespoon of salt may severely poison an infant and sometimes produce vomiting, diarrhea, anorexia, thirst, fever, and convulsion after excessive ingestion. Dehydration may occur in organs, central nervous system may be affected resulting in confusion or coma.

Inhalation

Inhalation Abrasive irritant to mucous membranes. May give salty taste or cause irritation to nose & throat. Symptoms: coughing, sore and dry throat.

Skin Irritant

Irritation after prolonged contact. Dry salt and concentrated solutions can cause withdrawal of fluid from the skin. Prolonged contact, produce irritation.

12. Ecological information

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Eco Toxicity

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

COD and BOD 5

Not Available

Persistence/Degradability:

No information available

Mobility in soil

No Information available

Bioaccumulation Potential

No information available

Environmental Impact

No Data Available

13. Disposal considerations

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Waste treatment Method

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. Do not mix with other waste. Handle uncleaned containers like the product itself

14. Transport information

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DOT

UN Number

Not Applicable

Proper shipping name

Sodium Chloride Tablet

Hazard Class

No Data Available

Packing group

No Data Available

TDG

UN Number

Not Applicable

Proper shipping name

Sodium Chloride Tablet

Hazard Class

No Data Available

Packing group

No Data Available

IATA

UN Number

Not Applicable

Proper shipping name

Sodium Chloride Tablet

Hazard Class

No Data Available

Packing group

No Data Available

IMDG/IMO

UN Number

Not Applicable

Proper shipping name

Sodium Chloride Tablet

Hazard Class

No Data Available

Packing group

No Data Available

15. Regulatory information

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Federal and State Regulation

TSCA 8(b) inventory: Sodium chloride

Other Regulation

EINECS: This product is on the European Inventory of E

WHMIS (Canada)

Not controlled under WHMIS (Canada).

DSCL(EEC)

R40- Possible risks of irreversible effects. S24/25- Avoid

HMIS

Health Hazard : 1

Fire Hazard : 0

Reactivity : 0

Personal Protection : E

Fire :

Health Hazard : 0

Fire Hazard : 0

Reactivity : 0

Specific Hazard :

16. Other information

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Other Information

The information above is believed to be accurate and available to us. However, we make no warranty of accuracy or implied, with respect to such information, and we do not warrant that it should make their own investigations to determine its accuracy for particular purposes. In no event shall we be liable for any damages, for lost profits or any special, indirect, incidental, or consequential damages arising, even if **RX Marine International** has been notified.

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