

## 1. Product and Company Identification

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Product Name  
Part Number

Industrial Salt  
RXSOL-40-1306-050

### Company Details:

**RX MARINE INTERNATIONAL**  
**105, A wing, BSEL TECH PARK.**  
**VASHI, NEW BOMBAY 400703 INDIA**

**STOCK POINT : Kolkata, Mumbai, Chennai, Kandla, Visakhapatnam, Fujairah, Muscat, Kenya, Canada**

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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, flush 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, 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 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 (fire fighting 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. 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 with a suitable waste disposal container and seal with a lid. 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 or equipment 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 used as recommended. Follow all safety practices and recommended procedures. Wash thoroughly after use. Take measures against static discharges by bonding and grounding containers and clothing. Do not inhale product dust/fumes. Salt dust generated by pneumatic conveying, therefore pipes should be bonded to ground in environments where a spark could prove hazardous.

Storage

Store in a cool, dry, well-ventilated area. Store away from heat and fire. Containers closed when not in use. Inspect regularly for deficiencies. Check for 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%. This product 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. At a level that is a discomfort to workers a local exhaust system and/or general exhaust is recommended to keep employees safe. Exhaust ventilation is generally preferred because it can control the source, preventing dispersion of it into the general work area. Salt dust generated by pneumatic conveying, therefore pipes should be bonded to ground where a spark could prove hazardous.

Personal Protection

Eye/face Protection: Wear appropriate protective eyewear described by OSHA's eye and face protection regulations.

Skin and body protection: Wear appropriate protective clothing to avoid skin exposure.

Respiratory Protection : Follow the OSHA respirator regulations under 29 CFR 1910.134. Use NIOSH/MSHA any Standard approved respirator except where other symptoms are experienced.

Other Protection Measure

Skin should be washed to remove salt. Dry salt and concentrated fluid from the skin. An eyewash and hand washing facility should be available.

Exposure Limit

Not Available



## Gloves Suit

### 9. Physical and chemical properties

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Form	Solid Crystals
Colour	Translucent to opaque 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 <sup>3</sup> 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 such as 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 such as 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 oral toxicity (LD50): 3000 mg/kg [Rat.]. Acute dermal toxicity (LD50): >10000 mg/kg [Rabbit]. Acute toxicity of the dust (LD50): >10000 mg/m <sup>3</sup> 1 hours [Rat].
Eye/Irritant	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, gastric juices. The blood stream contains nearly 1% sodium chloride. In normal industrial use salt is non-hazardous. Acute toxic effects can result from the ingestion of excessive amounts of either salt or brine. Salt should not be used as an emetic. Vomiting. 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 coma. Cause vomiting, diarrhea, anorexia, thirst, fever, and convulsion after excessive ingestion. Dehydration may occur in severe cases. 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/cm <sup>2</sup>
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
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## 14. Transport information

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### DOT

UN Number	Not Applicable
Proper shipping name	Sodium Chloride PVD Salt
Hazard Class	No Data Available
Packing group	No Data Available

### TDG

UN Number	Not Applicable
Proper shipping name	Sodium Chloride PVD Salt
Hazard Class	No Data Available
Packing group	No Data Available

**IATA**

UN Number	Not Applicable
Proper shipping name	Sodium Chloride PVD Salt
Hazard Class	No Data Available
Packing group	No Data Available

**IMDG/IMO**

UN Number	Not Applicable
Proper shipping name	Sodium Chloride PVD Salt
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 implied, with respect to such information, and we should make their own investigations to determine particular purposes. In no event shall be liable for any lost profits or any special, indirect, incidental, arising, even if **RX Marine International** has been

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