Material Safety Data Sheet

DEICING SALT (RXSOL-23-8200-025)

1. Product and Company Identifaction

Product Name	: DEICING SALT
Part Number	: RXSOL-23-8200-025

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

Branch : Kandla, Hazira, Mumbai, Chennai, Vizag, Kolkata, Fujairah UAE, Oman

Phone	+91 22 27815540 / 41 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Name of Substance	Cas Number	Wt.%
Sodium Chloride	7647-14-5	-------
Calcium Formate	544-17-2	--------
Proprietory Salt Blend	.....	...

3. Hazards Identification

Classification	Not classified as a dangerous substance or mixture according to the Globally Harmonized System (GHS)
Label Elements	Keep out of reach of children. Harmful if swallowed. Avoid skin and eye contract.
Label Other	Pictograms & Signal Words Not Applicable.

4. First Aid Measures

General	If medical advice is needed, have product container or label at hand.
Eye Contact	Immediately rinse with water for a prolonged period (15 minutes) while holding the eyelids wide open including upper and lower lids. Obtain medical attention if pain and irritation develops or persists.
Skin Contact	Wash Skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if needed. Obtain medical attention if breathing difficulty persists.
Ingestion:	Do not induce vomiting. Administer water if patient is conscious. Ingesting salt will usually cause purging of the stomach by vomiting. Seek medical attention if a large amount is swallowed. Get medical advice and attention if you feel unwell.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED	Symptoms/injuries : Irritation to eyes, skin and respiratory tract. Symptoms/injuries after inhalation: Overexposure may be irritating to the respiratory system. Symptoms/injuries after skin contact: May cause skin irritation. Symptoms/injuries after eye contact : May cause eye irritation. Symptoms/injuries after ingestion: If a large quantity has been ingested : Abdominal pain; Diarrhea; Nausea; Vomiting; Tingling in hands and feet; Weak pulse; Circulatory disturbances Chronic symptoms:Prolonged inhalation of dust may cause respiratory irritation.
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	No additional information.

5. Fire-fighting Measures

Suitable extinguishing media	Not Flammable. Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media	None known.
Fire Hazard	Under conditions of fire this material may produce toxic fumes.
Explosion Hazard	Product is not explosive
Reactivity	Stable at ambient temperature and under normal conditions of use.
Fire-fighting Instruction	Keep Upwind. Under conditions of fire this material may produce: Potassium oxides; Hydrogen chloride; Chlorine gas.
Protection during firefighting	Wear full fire-fighting turn out gear (full Bunker gear) and respiratory protection (SCBA).
Other Information	Other Information

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	General Measures : Do not breathe fumes from fires or vapors from decomposition Protective Equipment for Emergency & NonEmergency Personnel : Wear suitable protective clothing, gloves and eye/face protection including tight fitting goggles in areas of high dust concentration. Wear NIOSH approved respiratory protective equipment when workplace conditions warrant use of respirator. Emergency Procedures : If possible, stop flow of product. Contain and collect as any solid. Ventilate area.
Enviromental Precaution	If spill could potentially enter any waterway, including intermittent dry creeks.
Methods and materials for containment and cleaning up	For Containment : Contain and collect as any solid. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Methods for Cleaning Up : Recover the product by vacuuming, shovelling or sweeping. Avoid generation of dust during clean-up of spills. If uncontaminated, recover and reuse as product.
REFERENCE TO OTHER SECTIONS	No additional information available.

7. Handling and Storage

	Additional Hazards when processed: When heated, material emits irritating fumes.
PRECAUTIONS FOR SAFE HANDLING	Precautions for safe handling: Handle in accordance with good industrial hygiene and safety procedures. Avoid contact with skin and eyes. Do no eat, drink or smoke when using this product. Always wash hands after handling the product.
	Hygiene Measures: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

CONDITIONS FOR SAFE STORAGE	Storage Conditions: Store tightly closed in a dry, cool and well-ventilated place. Protect from moisture and preferably below 70% relative humidity. Special Rules on Packaging: Avoid contact with aluminum or carbon steel to minimize corrosion.

8. Exposure controls and personal protection

CONTROL PARAMETERS	Highly soluble – No ACGIH TWA, Particulate Not Otherwise Specified (PNOS) not appropriate for highly soluble material.
EXPOSURE CONTROLS	Appropriate engineering controls: Ensure adequate ventilation (especially in confined areas), eye wash stations. Personal protective equipment: Gloves. Safety glasses. Protective clothing. Hand Protection: Impermeable protective gloves. Eye Protection: Protective goggles and safety glasses Skin and Body Protection: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Wear suitable protective clothing. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice. Wash clothing frequently. Footwear: Normal Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.



Gloves



Suit

9. Physical and chemical properties

Form	Solid (Crystalline)
Colour	White to Red
Odour	None
Odour Threshold	No Data Available
Relative Evaporation Rate (Butylacetate=1)	No Data Available
Melting Point	1473.8ºF (801°C)
Freezing Point	No Data Available
pH	6-8
Boiling Point	2669ºF (1465°C)
Flash Point	No data available
Self-Ignition temperature	Not Flammable
Decomposition Temperature	No data available
Flammability (solid/gas)	Not Flammable
Vapor pressure	No data available
Relative Vapor Density at 20ºC:	No data available
Relative density	2.14
Density	No data available
Solubility	26%
Log Pow or Log Kow	No data available
Viscosity	No data available
Explosive properties	None Known
Oxidizing properties	None Known

	VOC Content :No Data Available
OTHER INFORMATION	Bulk Density: 71-77lbs/ft3 (1137-1234kg/m3)
	Molecular Formula : NaCl

10. Stability and reactivity

Recativity	Stable at ambient temperature and under normal conditions of use.
Chemical Stability	Stable at standard temperature and pressure.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Incompatible materials	Contact with acids liberates toxic gas (chlorine). Lithium, interhalogens (bromide, triflourite, etc.), acids, oxidizing agents.
Hazardous Decomposition	Contact with strong acids may produce hydrogen chlorine gas.
Condition to Avoid	Protect from moisture

11. Toxicological information

Acute Toxicity	Not Classified		
	SODIUM CHLORIDE (7647-14-5)		
	LC50 3g/kg (Exposure time: 1h)	LD50 (oral) >10g/kg	LD50 (dermal) >42g/m3
Eyes	Mild - Salt dust can cause eye irritation.		
Skin	Mild		
STOT (Specific Target Organ Toxicity) - Single Exposure	Not Classified		
STOT (Specific Target Organ Toxicity) - Repeated Exposure	Not Classified		
Aspiration Hazard	Not Classified		
Respiratory and/or Skin Sensitization	Not Classified		
Reproductive Toxicity	Not Classified		
Target Organ Effects	Kidneys, Eyes, Skin, Respiratory system.		

12. Ecological information

Eco toxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Environmental Fate	No data available
Toxicity	No data available
Degradation Products	No data available

13. Disposal considerations

Sewage Disposal Recommendations	This material may be hazardous to the aquatic environment. Keep out of sewers and waterways.
Waste Disposal Recommendations	Place in an appropriate container and dispose of the contaminated material at a licensed site.
Additional Information	Dispose of waste material in accordance with all local, regional, national, and international regulations.

14. Transport information

Hazard Pictograms:

UN Number	No dangerous good in terms of transport regulations.
Proper shipping name	Not applicable
Overland Transport	No additional Information available
Transport by Sea	No additional Information available
Air Transport	No additional Information available

15. Regulatory information

US FEDERAL REGULATIONS	Sodium Chloride (7647-14-5) – Listed on the United States TSCA (Toxic Substances Control Act) Inventory
US STATE REGULATIONS	The following states have an OSH program approved by OSHA. If you are located in any of these states you may be under state jurisdiction rather than federal jurisdiction and your state may have more stringent requirements than OSHA. You should consult your state regulations to ensure compliance. Alaska Arizona California *Connecticut Hawaii *Illinois Indiana Iowa Kentucky Maryland Michigan Minnesota Nevada New Mexico *New Jersey *New York North Carolina Oregon Puerto Rico South Carolina Tennessee Utah Vermont *Virgin Islands Virginia Washington Wyoming *The state plans in these states apply only to public sector employees. In these states private sector employers are subject to USOL – OSHA jurisdiction. All other state plans apply to both public and private sector employers. Sodium Chloride (7647-14-5) – U.S. Texas – Effects Screening Levels – Short Term & Long Term

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if RX Marine International has been advised of the possibility of such damages. DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.