# Material Safety Data Sheet

**Sodium Carbonate** (RXSOL-12-2485-025)

## 1. Product and Company Identifaction

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| Product Name | Sodium Carbonate |
| Part Number | RXSOL-12-2485-025 |

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

**Stock Point :** Mumbai, Kandla, Kolkata, Chennai, Visakhapatnam, Fujairah, Muscat

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|---|---|
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| Email | 123@rxmarine.com |
| Website | www.rxmarine.com |


## 2. Composition / informationon ingredients

| Name of Substance | Cas Number | EC Number | Wt. % | Molecular Formula | Molar Mass |
|---|---|---|---|---|---|
| Sodium Carbonate | 497-19-8 | 207-838-8 | 99.99 - 100% | Na2CO3 | 105.99 g/mol |

## 3. Hazards Identification

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| Signal Word | Warning |
| Hazard Statements | H319 Causes serious eye irritation. |
| Potential Chronic Health Effects | Slightly hazardous in case of skin contact (sensitizer). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to upper respiratory tract, skin, eyes. Repeated or prolonged exposure to the substance can produce target organs damage |
| Precautionary statements - response | P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

## 4. First Aid Measures

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| General Note | Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth. |
| Eye Contact | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops and persists. |
| Inhalation: | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |

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| Ingestion: | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear. Serious Ingestion: Not available. |

## 5. Fire-fighting Measures

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| Flammability | Non-flammable. |
| Flash Point | Not applicable. |
| Suitable extinguishing media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Hazardous combustion products | Emits Na2O fumes when heated to decompositon. |
| Explosion Hazards in Presence of Various Substances: | Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. |
| Special Remarks on Fire Hazard | Sodium carbonate can ignite and burn fiercely in contact with fluoride. Sodium Carbonate in contact with fluorine decomposed at ordinary temperature with incandescence. |
| Advice for firefighters | In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance. |

## 6. Accidental Release Measures

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| Small Spillage | Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. |
| Personal Protection | Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. |
| Enviromental Precaution | Do not let product enter drains. |
| Methods and materials for containment and cleaning | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. |
| Large Spill | Use a shovel to put the material into a convenient waste disposal container. Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. |

## 7. Handling and Storage

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| Handling and Precaution | Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as acids. |
| Storage | Hygroscopic. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C (75.2°F). |
| Advice on general occupational hygiene | Change contaminated clothing. Wash hands after working with substance. |

## 8. Exposure controls and personal protection

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| **Engineering Controls:** | Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. |
| Personal Protection | Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. |
| Exposure Limits: | Particulate Not Otherwise Classified:<br>ACGIH — OSHA<br>10 mg/m³ - Inhalable particulate — 50 mppcf* or 15 mg/m³ - Total Dust<br>3 mg/m³ - Respirable particulate — 15 mppcf* or 5 mg/m³ - Respirable Fraction |
| Other Protection Measure | Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. |



Gloves



Suit

## 9. Physical and chemical properties

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| Form | Powder |
| Colour | White |
| Odour | Odourless |
| Solubility | Soluble in water |
| Soluble in water | 212.5 g/lat 20 °C |
| Specific Gravity (20 °C | 2.532 (Water = 1) |
| pH (1% Solution) | 11.50 (Basic) |
| Boiling Point | Not Applicable |
| Melting Point | 851°C (1563.8°F) |
| Critical Temperature | Not Available |
| Flash Point | Not Applicable |
| Explosive limits | Not explosive Materials |
| Vapour pressure | Not Applicable |
| Vapour Density | Not Applicable |
| Viscosity | Not Applicable |
| Partition coefficient | Not Determine |
| Explosive properties | None |
| Flamibility Solid / Gas | This Product is not Flammable |

## 10. Stability and reactivity

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| Recativity | Violent reactions |
| Stability | Product is stable. |
| Possibility of hazardous reactions | Aluminium, Alkaline earth metals, organic nitro compounds, Fluorine, Alkali metals, nonmetallic oxides, conc. sulfuric acid . |
| Conditions to avoid | No Information Available |
| Incompatible materials | No Information Available |
| Hazardous combustion products | No information Available. |

## 11. Toxicological information

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| Route of Entry | Inhalation. Ingestion |
| Toxicity to Animals | WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 4090 mg/kg [Rat]. Acute toxicity of the dust (LC50): 1200 mg/m3 2 hours [Mouse]. |
| Chronic Effects on Humans | May cause damage to the following organs: upper respiratory tract, skin, eyes. |
| Other Toxic Effects on Humans | Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant). |
| Special Remarks on Toxicity to Animals | LDL (Lowest Published Lethal Dose) [Man] - Route: Oral; Dose: 714 mg/kg |
| Special Remarks on Chronic Effects on Humans | May cause adverse reproductive effects based on animal test data |
| Special Remarks on other Toxic Effects on Humans | Acute Potential Health Effects: Skin: Causes skin irritation with possible burns depending on the concentration, site (abraded or intact skin), and duration of exposure. Eyes: Causes eye irritation and possible burns. Concentrated solutions may cause permanent corneal injury (permanent corneal opacity). Ingestion: Sodium carbonate ingestion may cause irritation of the digestive tract resulting in nausea, vomiting, diarrhea, thirst, abdominal pain depending on concentration and amount ingested.<br>May also affect the cardiovascular system . Inhalation: Dust may cause respiratory tract and mucous membrane irritation with coughing and shortness of breath (dyspnea), pulmonary edema. Chronic Potential Health Effects: Chronic inhalation may result in decreased pulmonary function, nasal congestion, nosebleeds, perforation of the nasal septum. Other effects of chronic exposure are skin (dermatitis and ulceration), and gastrointestinal complaints. However, the effects of chronic exposure seem to be reversible if exposure is decreased. |

## 12. Ecological information

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| Toxicity | Toxicity to fish :static test LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l; 96 h (ECHA)<br>Toxicity to daphnia and other aquatic invertebrates semi-static test EC50 Ceriodaphnia dubia (water flea): 220 - 227 mg/l; 48 h |
| Process of degradability | The methods for determining the biological degradability are not applicable to inorganic substances. |
| Bioaccumulative potential | Partition coefficient: n-octanol/water.Not applicable |
| Mobility in soil | No Information available. |
| Results of PBT and vPvB assessment | Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII. |
| Other adverse effects | Discharge into the environment must be avoided. |

## 13. Disposal considerations

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| Waste treatment | Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. |

## 14. Transport information

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| DOT Classification | Not a DOT controlled material (United States). |
| Identification | Not Applicable |
| Special Provisions for Transport | Not Applicable |

## 15. Regulatory information

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| Fedral and State Regulation | TSCA 8(b) inventory: Sodium carbonate |
| Other Regulations informationWater pollution effect indication | EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances. |

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| WHMIS (Canada): | CLASS D-2B: Material causing other toxic effects (TOXIC). |
| DSCL (EEC) | R36/37/38- Irritating to eyes, respiratory system and skin. S22- Do not breathe dust. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| HMIS (U.S.A.) | Health Hazard: 2<br>Fire Hazard: 0<br>Reactivity: 1<br>Personal Protection: E |
| National Fire Protection Association | Health: 2<br>Flammability: 0<br>Reactivity: 1 |
| Protective Equipment: | Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles. |

## 16. Other information

Precautionary statements
Response
P305 + P351 + P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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.