# Material Safety Data Sheet

**Sodium Bicarbonate** (RXSOL-19-1485-050)

## 1. Product and Company Identifaction

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| Product Name | Sodium Bicarbonate |
| Part Number | RXSOL-19-1485-050 |
| Alternative Name | Bocarbonate of Soda, Baking Soda,Soda Bicarb, Sodium Hydrogen Carbonate |
| Chemical Formula | NaHCO3 |

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

Stock Points: Mumbai, Barka-Muscat, Gandhidham, Kolkata, Chennai, Visakhapatnam, Fujairah, Muscat Oman, Kenya Africa, Canada

| | |
|---|---|
| Phone | +91 22 27815540 / 27815542 |
| 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 | EC Number | Weight % |
|---|---|---|---|
| Sodium Bicarbonate | 144-55-8 | 205-633-8 | 100% |

## 3. Hazards Identification

- A Substance of low toxicity widely used in food and medicine
- Treat as low toxicity dust
- No signification health or enviromental hazard associated with materiala

## 4. First Aid Measures

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| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required. |
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention. |
| Inhalation | Move to fresh air. |
| Ingestion | Do not induce vomiting. Clean mouth with water and drink afterwards plenty of water. Call a physician or take medical attention if nessecery. |

## 5. Fire-fighting Measures

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| Flash Point | Non Combustible |
| Suitable extinguishing media | All extinguishing products are allow. |
| Special Hazard | Non Combustible |

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| Protective Equipment | Use personal protective equipment. |
| Hazardous Decomposition Product (Under Fire) | Not Applicable |

## 6. Accidental Release Measures

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| Environmental Precautions | Do not let product enter drains.Prevent discharge in to the environment (rivers, water courses, sewers etc. |
| Method of Clean -up | Clear up spillage by suitable means, avoiding dust formation.<br>Collect as much as posible in a suitable clean container , preferably for re-use otherwise for disposable.<br>Wash the spillage area with large quantity of water. |

## 7. Handling and Storage

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| Handling | Atospheric levels should be controlled in compliance with the occumpational exposure limit. Skin protection should be worn for regular and continious use. |
| Storage | Keep container tightly closed. Keep container in a well-ventilated area. Store in a cool dry place (in humid condition the product will absorb moisture from the atmosphere and this will enetully cause caking and loss of free flowing properties.) Do not store adjacent to acids |
| Fire and Explosion Prevention - | Non Combustible |

## 8. Exposure controls and personal protection

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| Engineering Control | Provide adequate eventilation.In the case of insufficent ventilation , wear suitable respiratory equipment. |
| Occupational Exposure Standards | Not listed by H & SE<br>Nuisance Dust Recommended Limits: OES 10mg/m3 (Total Dust) (8 hr TWA)<br>5mg/M3 (respirable dust) (8hr TWA) |
| Personal Protection | Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles . Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection : In the case of high dust levels wear suitable respiratory protective equipment, ie Dust Mask or respirator |

## 9. Physical and chemical properties

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| Form | Crytalline Solid |
| Colour | White |
| Odour | Odourless |
| Odor Threshold | Not Applicable |
| pH | 8.0-9.0 (1% Solution) |
| Melting Point | Decomposes |
| Boiling Point | Not Applicable |
| Flash Point | Not Applicable |
| Evaporation Rate | Not Applicable |
| Flammability (solid, gas) | No Data Available |
| Explosive limits | No Data Available |
| Vapour pressure | No Data Available |

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|---|---|
| Vapour Density | No Data Available |
| Specific Gravity | 2.22 g/cm3 at 25 °C |
| Bulk Density | 980 Kg/ m3 at 25 °C |
| Partition coefficient | No data available |
| Explosive properties | None |
| Solubility | Soluble in water |
| Ignition temperature | No information available. |

## 10. Stability and reactivity

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|---|---|
| Stability | The product is chemically stable under standard ambient conditions |
| Possibility of hazardous reactions | Not Applicable |
| Conditions to avoid | Contact with acid unless under controlled condition.<br>Heating the product above 60 °C<br>Humidity and moisture can cause caking of product. |
| Incompatible materials | No Data Available |
| Material to Avoid | Acid. |

## 11. Toxicological information

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| Acute Toxicity | Oral LD 50, rat : 4220 mg/kg<br>Inhalation : Dust may causes discomfort. |
| Eye Irritation | Dust may cause discomfot |
| Skin Irritation : | No known effect. |
| Long Term Exposure | No known effect. |

## 12. Ecological information

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| Acute Ecotoxicity | Fish, Lepomis macrochirus : 96hr- LC50 : 8600 mg/l<br>Daphina sp : 48hr - LC50 : 2350 mg/l |
| Bio - degradeability | Aerobic / Anaerobic degradation : Not Applicable (inorganic compound) |
| Products Biodegradation: | The methods for determining the biological degradability are not applicable to inorganic substances. |
| Mobility in soil | No Information available |
| Results of PBT and vPvB assessment | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted. |

## 13. Disposal considerations

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| Disposal of Product : | Must be disposed in accordance with local, state or national regulation.<br>Do not dispose of directly with Acid<br>Dispose with water and neutralise with an acid. |

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| Disposal of Packing : | Must be disposed in accordance with local, state or national regulation.<br>Contact manufacturer for recycling. |

## 14. Transport information

- Not Classified as a hazardous for any mode of transport.

LAND TRANSPORT

| | |
|---|---|
| ADS Class | Not Restricated |
| ADR item number | Not Relevent |
| RID Class | Not Restricated |
| RID item number | Not Relevent |
| TREM - Card | Not Relevent |
| UN number | None |
| Hazard Identification Number | None |
| Substance Identification Number | None |
| Proper Shipping Name | None |

SEA TRANSPORT :

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|---|---|
| IMO/IMGD | Not Regulated |
| Class | Not Relevent |
| Packing Group | None |
| UN Number | None |
| EMS | Not Relevent |
| MFAG | Not Relevent |
| Marine Polluant | No |
| Proper Shipping Name | None |

AIR TRANSPORT :

| | |
|---|---|
| ICAO/IATA-DGR Class | Not Regulated |
| Packing Group | None |
| UN Number | None |
| Proper Shipping Name | None |

## 15. Regulatory information

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| Fedral and State Regulation | None |
| Other Regulation | None |
| WHMIS (Canada) | Not controlled under WHMIS (Canada). |

## 16. Other information

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| 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 weassume 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. |