

## 1. Product and Company Identification

www.rxmarine.com

Product Name	Baking Soda
Part Number	RXSOL-12-1485-025
Alternative Name	Bocarbonate of Soda, Baking Soda,Soda Bicarb, Sodium Hydrogen Carbonate
Chemical Formula	NaHCO <sub>3</sub>

### 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

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Website	<a href="http://www.rxmarine.com">www.rxmarine.com</a>

## 2. Composition / Information on ingredients

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Name of Substance	Cas Number	EC Number	Weight %
Sodium Bicarbonate	144-55-8	205-633-8	100%

## 3. Hazards Identification

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- 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
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. Collect as much as possible in a suitable clean container , preferably for re-use otherwise for disposable. 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 occupational 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 insufficient ventilation , wear suitable respiratory equipment.
Occupational Exposure Standards	Not listed by H & SE Nuisance Dust Recommended Limits: OES 10mg/m <sup>3</sup> (Total Dust) (8 hr TWA) 5mg/M <sup>3</sup> (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
Vapour Density	No Data Available
Specific Gravity	2.22 g/cm <sup>3</sup> at 25 °C
Bulk Density	980 Kg/ m <sup>3</sup> 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. Heating the product above 60 °C 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 Inhalation : Dust may causes discomfort.
Eye Irritation	Dust may cause discomfort
Skin Irritation :	No known effect.
Long Term Exposure	No known effect.

## 12. Ecological information

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Acute Ecotoxicity	Fish, <i>Lepomis macrochirus</i> : 96hr- LC50 : 8600 mg/l Daphnia sp : 48hr - LC50 : 2350 mg/l
Bio - degradability	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

### 13. Disposal considerations

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Disposal of Product :	Must be disposed in accordance with local, state or national regulation. Do not dispose of directly with Acid Dispose with water and neutralise with an acid.
Disposal of Packing :	Must be disposed in accordance with local, state or national regulation. Contact manufacturer for recycling.

### 14. Transport information

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

#### LAND TRANSPORT

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

#### SEA TRANSPORT :

IMO/IMGD	Not Regulated
Class	Not Relevant
Packing Group	None
UN Number	None
EMS	Not Relevant
MFAG	Not Relevant
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

[www.rxmarine.com](http://www.rxmarine.com)

Federal and State Regulation

None

Other Regulation

None

WHMIS (Canada)

Not controlled under WHMIS (Canada).

## 16. Other information

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Other Information

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