Material Safety Data Sheet

Sodium Bicarbonate Solution (RXSOL-12-1485-030)

1. Product and Company Identifaction

Product Name	Sodium Bicarbonate Solution
Part Number	RXSOL-19-1485-030
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

Sodium Bicarbonate Solution

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

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

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

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 posible 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

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

Engineering Control	Provide adequate eventilation.In the case of insufficent ventilation , wear suitable respiratory equipment.
Occupational Exposure Standards	Not listed by H & SE Nuisance Dust Recommended Limits: OES 10mg/m3 (Total Dust) (8 hr TWA) 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

Form	Liquid
Colour	Clear Colourless
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	>1 g/cm3 at 25 °C
Partition coefficient	No data available
Explosive properties	None
Solubility	Soluble in water
Ignition temperature	No information available.

10. Stability and reactivity

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

Acute Toxicity	Oral LD 50, rat : 4220 mg/kg 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

Acute Ecotoxicity	Fish, Lepomis macrochirus : 96hr- LC50 : 8600 mg/l 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

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

- 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 :

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

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

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 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.