

1. Product and Company Identification

www.rxmarine.com

| | |
|------------------|---|
| 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 | NaHCO ₃ |

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 / Information on ingredients

www.rxmarine.com

Sodium Bicarbonate Solution

3. Hazards Identification

www.rxmarine.com

| | |
|---|--|
| - | 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

www.rxmarine.com

| | |
|--------------|---|
| 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

www.rxmarine.com

| | |
|------------------------------|---------------------------------------|
| Flash Point | Non Combustible |
| Suitable extinguishing media | All extinguishing products are allow. |
| Special Hazard | Non Combustible |
| Protective Equipment | Use personal protective equipment. |

6. Accidental Release Measures

www.rxmarine.com

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

www.rxmarine.com

Handling

Atmospheric levels should be controlled in compliance with the occupational exposure limit. Skin protection should be worn for regular and continuous 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 eventually 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

www.rxmarine.com

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/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

www.rxmarine.com

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/cm ³ at 25 °C |
| Partition coefficient | No data available |
| Explosive properties | None |
| Solubility | Soluble in water |
| Ignition temperature | No information available. |

10. Stability and reactivity

www.rxmarine.com

| | |
|------------------------------------|---|
| 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

www.rxmarine.com

| | |
|--------------------|--|
| 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

www.rxmarine.com

| | |
|------------------------------------|--|
| 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 required/not conducted. |

13. Disposal considerations

www.rxmarine.com

| | |
|-----------------------|---|
| 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

www.rxmarine.com

- 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

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

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 we 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.