

1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6208-050
Product Type Buffer Solution, pH 10

Company Details:

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

Phone +91 22 65113333 / 5555 / 9999
Fax +91 22 2781 1318 :::AOH :0091 9821214367
Email mail@rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

Component	CAS Registry #	Percent Concentration	Exposure Limits	
			ACGIH TLV	OSHA PEL
Sodium Bicarbonate	144-55-8		N/A	N/A
Preservative*	proprietary	< 0.1	N/A	N/A
*(No Mercury compounds or Formaldehyde)				
Inert Dye	proprietary	< 0.1	N/A	N/A
Water, Deionized		Balance	N/A	N/A

3. Hazards Identification

www.rxmarine.com

EMERGENCY OVERVIEW

Non-flammable, non-toxic, non-corrosive. Does not present any significant health hazards. Wash areas of contact with water.

POTENTIAL HEALTH EFFECTS:

TARGET ORGANS: eyes, skin.

EYE CONTACT: May cause slight irritation.

INHALATION: Not likely to be hazardous by inhalation.

SKIN CONTACT: May cause slight irritation.

INGESTION: Large doses may cause nausea, vomiting, diarrhea and cramps.

CHRONIC EFFECTS / CARCINOGENICITY:

IARC No
NTP No
OSHA No

TERATOLOGY (BIRTH DEFECT) INFORMATION:

Mutation data cited in [?]Registry of Toxic Effects of Chemical Substances[?] for Sodium Bicarbonate in rats.

REPRODUCTION INFORMATION:

Reproductive data cited in [?]Registry of Toxic Effects of Chemical Substances[?] for Sodium Bicarbonate and Sodium Carbonate in mice.

4. First Aid Measures

www.rxmarine.com

EYE CONTACT:	Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.
INHALATION:	Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.
SKIN CONTACT:	Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.
INGESTION:	Dilute with water or milk. Call a physician if necessary.

5. Fire-fighting Measures

www.rxmarine.com

FLAMMABLE PROPERTIES:

FLASH POINT: N/A

METHOD USED: N/A

FLAMMABLE LIMITS

LFL: N/A

UFL: N/A

EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire.

FIRE & EXPLOSION HAZARDS: Not considered to be a fire or explosion hazard.

FIRE FIGHTING INSTRUCTIONS: Use normal procedures/instructions.

FIRE FIGHTING EQUIPMENT: Use protective clothing and breathing equipment appropriate for the surrounding fire.

6. Accidental Release Measures

www.rxmarine.com

Absorb with suitable material and treat as normal refuse. Small amounts of the liquid may be flushed to the drain with excess water. Always dispose of in accordance with local regulations.

7. Handling and Storage

www.rxmarine.com

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from frostbite and physical damage. SAFETY STORAGE CODE: GENERAL

8. Exposure controls and personal protection

www.rxmarine.com

ENGINEERING CONTROLS
RESPIRATORY PROTECTION

No specific controls are needed. Normal room ventilation is adequate.
Normal room ventilation is adequate.

SKIN PROTECTION

Chemical resistant gloves.

EYE PROTECTION

Safety glasses or goggles.

9. Physical and chemical properties

www.rxmarine.com

APPEARANCE	Clear, blue colored liquid
pH	10
ODOR	Odorless
BOILING POINT (OC)	approximately 100
MELTING POINT (OC)	approximately 0
SOLUBILITY IN WATER	Infinite
SPECIFIC GRAVITY	approximately 1
VAPOR PRESSURE	NA

10. Stability and reactivity

www.rxmarine.com

CHEMICAL STABILITY	
INCOMPATIBILITY	Acids
HAZARDOUS DECOMPOSITION PRODUCTS	<small>Oxides of Sodium</small>
HAZARDOUS POLYMERIZATION	Will not occur

Solids under normal conditions of use and storage.

11. Toxicological information

www.rxmarine.com

LD50, Oral, Rat: 4090 mg/kg (Sodium Carbonate), 4220 mg/kg (Sodium Bicarbonate), details of toxic effects not reported other than lethal dose value.

12. Ecological information

www.rxmarine.com

ECOTOXICOLOGICAL INFORMATION: No information found.

CHEMICAL FATE INFORMATION: No information found.

13. Disposal considerations

www.rxmarine.com

Dilute with water, then flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

14. Transport information

www.rxmarine.com

D.O.T. SHIPPING NAME: Not regulated

D.O.T. HAZARD CLASS: None

U.N. / N.A. NUMBER: None

PACKING GROUP: None

D.O.T. LABEL: None

15. Regulatory information

www.rxmarine.com

OSHA STATUS: The above items either do not contain any specifically hazardous material or the potentially hazardous material is present in such

low concentration that the items do not present any immediate threat to health and safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA STATUS: All components of this solution are listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY: Not reportable

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: No

SECTION 311/312 HAZARDOUS CATEGORIES: No

SECTION 313 TOXIC CHEMICALS: No

RCRA STATUS: No

CALIFORNIA PROPOSITION 65: Not listed.

16. Other information

www.rxmarine.com

NFPA® Ratings: Health: 1 Flammability: 0 Reactivity: 0

HMIS® Ratings: Health: 1 Flammability: 0 Reactivity: 0

Rev 1, 01-15-2003: added catalog number 35653-03.

Rev 2, 03-25-2003: Reviewed and approved.

Rev 3, 03-20-2006: Reviewed and approved.

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.

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.