Material Safety Data Sheet

Buffer Solution, pH 7 (RXSOL-60-6207-030)

1. Product and Company Identifaction

Product Name	RXSOL-60-6207-030
Product Type	Buffer Solution, pH 7

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 / informationon ingredients

Component	CAS Registry #	Percent Concentration	Exposure Limits	
			ACGIH TLV	OSHA PEL
Sodium Phosphate, Dibasic	7558-79-4	< 1	N/A	N/A
Potassium Phosphate, Monobasic	7778-77-0	< 1	N/A	N/A
Preservative* *(No Mercury compounds or Formaldehyde)	proprietary	< 0.1	N/A	N/A
Inert Dye	proprietary	< 0.1	N/A	N/A
Water, Deionized	7732-18-5	Balance	N/A	N/A

3. Hazards Identification

EMERGENCY OVERVIEW

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

POTENTIAL HEALTH EFFECTS:

TARGET ORGANS: eyes, skin.

EYE CONTACT: May cause slight irritation.

INHALATION: May cause allergic respiratory reaction to those allergic to phosphates.

SKIN CONTACT: May cause slight irritation to those allergic to phosphates.

INGESTION: Large doses may cause stomach upset.

CHRONIC EFFECTS / CARCINOGENICITY:

IARC – No
NTP – No
OSHA – No

TERATOLOGY (BIRTH DEFECT) INFORMATION:
No information found in “Registry of Toxic Effects of Chemical Substances” or other information sources.

REPRODUCTION INFORMATION:
No information found in “Registry of Toxic Effects of Chemical Substances” or other information sources.

4. First Aid Measures

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

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

Absorb with suitable material (vermiculite, clay, etc.) and dispose of in accordance with local regulations. Check with local agencies for the proper disposal of phosphate containing solutions.

7. Handling and Storage

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

8. Exposure controls and personal protection

ENGINEERING CONTROLS	No specific controls are needed. Normal room ventilation is adequate.
RESPIRATORY PROTECTION	Normal room ventilation is adequate.
SKIN PROTECTION	Chemical resistant gloves.
EYE PROTECTION	Safety glasses or goggles.

9. Physical and chemical properties

APPEARANCE	Clear, green liquid
pH	7
ODOR	Odorless
BOILING POINT (OC)	approximately 100
MELTING POINT (OC)	approximately 0
SOLUBILITY IN WATER	Infinite

SPECIFIC GRAVITY	approximately 1
VAPOR PRESSURE	N/A

10. Stability and reactivity

CHEMICAL STABILITY	Stable under normal conditions of use and storage.
INCOMPATIBILITY	None identified.
HAZARDOUS DECOMPOSITION PRODUCTS	Phosphorus oxides may form when heated to decomposition.
HAZARDOUS POLYMERIZATION	Will not occur

11. Toxicological information

LD50, Oral, Rat: (Sodium Phosphate Dibasic) 17 gm/kg; LD50, Dermal, Rabbit: (Potassium Phosphate Monobasic) >4640 mg/kg; details of toxic effects not reported other than lethal dose value.

12. Ecological information

ECOTOXICOLOGICAL INFORMATION: No information found.

CHEMICAL FATE INFORMATION: No information found.

13. Disposal considerations

Dilute with water, then flush to sewer if local regulations allow for the flushing of phosphate containing solutions. 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

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

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 or are mixtures (hydrates) of items listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY: Sodium Phosphate, Dibasic - 5,000 pounds.

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.

PENNSYLVANIA: Sodium Phosphate Dibasic is listed as an environmental hazard on the state Hazardous Substance list.

16. Other information

NFPA® Ratings:	Health: 1	Flammability: 0	Reactivity: 0	Special Notice Key: None
HMIS® Ratings:	Health: 1	Flammability: 0	Reactivity: 0	Protective Equipment: B (Protective eyewear, gloves)

Rev 1, 8-25-2000: (Section 2) corrected concentration of preservative from 1 – 2 to < 0.1%.

Rev 2, 03-25-2003: Reviewed and approved, (Section 15) added CERCLA reportable quantity.

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.