Material Safety Data Sheet

BUFFER SOLUTION pH 10 (RXSOL-60-6604-113)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-113
Product Type	BUFFER SOLUTION pH 10.0
Revised date	

Company Details:

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

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Substance / Preparation :		
Di sodium tetraborate	> 0.01 1 %	1303-96-4
Sodium hydroxide :	> 0.01 1 %	1310-73-2
Water :	> 99 %	7732-18-5

3. Hazards Identification

Classification of the substance or mixture
Classification EC 67/548 or EC 1999/45
Not classified.
Target Organs None known.
Potential Health Effects
Acute Effects
Principle Routes of Exposure
Eyes May cause irritation.
Skin May cause irritation. Low hazard for usual industrial or commercial handling.
Inhalation May cause irritation of respiratory tract. Low hazard for usual industrial or commercial handling.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Low hazard for usual industrial or commercial handling.
Chronic Effects None known.
Labelling EC 67/548 or EC 1999/45
Not classified.
Symbol(s) : None.
R Phrase(s) : None.
S Phrase(s) : None.

4. First Aid Measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
Inhalation Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.
Ingestion Do not induce vomiting. Obtain medical attention.
Notes to Physician Treat symptomatically.

5. Fire-fighting Measures

Flash Point No information available.
Method No information available.
Autoignition Temperature No information available.
Explosion Limits
Upper No data available
Lower No data available
Suitable Extinguishing Media Substance is nonflammable; use agent most appropriate to extinguish surrounding fire..
Unsuitable Extinguishing Media No information available.
Hazardous Combustion Products No information available.
Sensitivity to mechanical impact No information available.
Sensitivity to static discharge No information available.
Specific Hazards Arising from the Chemical
None known.
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. Accidental Release Measures

Personal Precautions Use personal protective equipment. Avoid contact with skin, eyes and clothing.
Environmental Precautions Should not be released into the environment.
Methods for Containment and Clean Up
Soak up with inert absorbent material. Keep in suitable, closed containers for disposal..

7. Handling and Storage

Handling Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.
Storage Keep containers tightly closed in a dry, cool and well-ventilated place

8. Exposure controls and personal protection

Exposure controls
Personal protection : Avoid all unnecessary exposure.
• Respiratory protection : Wear approved mask.
• Hand protection : Wear protective gloves.
• Eye protection : Chemical goggles or safety glasses.
• Others : When using, do not eat, drink or smoke.
Control parameters
Occupational Exposure Limits : No data available.

9. Physical and chemical properties

Physical State	Liquid
Odor	odorless
Odor Threshold	No information available.
pH	10
Vapor Pressure	No information available.
Vapor Density	No information available.
Viscosity	No information available.
Boiling Point/Range	No information available.
Melting Point/Range	No information available.
Decomposition temperature	No information available.
Flash Point	No information available.
Evaporation Rate	No information available.
Specific Gravity	No information available.
Solubility	Soluble in water
log Pow	No data available

10. Stability and reactivity

Stability Stable under normal conditions.
Conditions to Avoid None known.
Incompatible Materials None known
Hazardous Decomposition Products None known
Hazardous Polymerization Hazardous polymerization does not occur
Hazardous Reactions . None under normal processing.

11. Toxicological information

Acute Toxicity
Product Information No acute toxicity information is available for this productcriteria are not met.
Irritation No information available.
Toxicologically Synergistic Products
No information available.
Chronic Toxicity
Carcinogenicity There are no known carcinogenic chemicals in this productSensitization : Based on available data, the classification criteria are not met.
Sensitization No information available.
Mutagenic Effects No information available.
Reproductive Effects No information available.
Developmental Effects No information available.
Teratogenicity No information available.
Other Adverse Effects The toxicological properties have not been fully investigated..
See actual entry in RTECS for complete information.
Endocrine Disruptor Information No information available

12. Ecological information

Ecotoxicity
Persistence and Degradability No information available
Bioaccumulation/ Accumulation No information available

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

14. Transport information

Land transport (ADR-RID)
General information : Not regulated.
Sea transport (IMDG) [English only]
General information : Not regulated.
Air transport (ICAO-IATA) [English only]
General information : Not regulated.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Safety, health and environmental : Ensure all national/local regulations are observed.
regulations/legislation specific for the substance or mixture
REACH Restrictions - Annex XVII : With the exception of those listed below:
The components of this product are not subject to restrictions.
Annex XVII
REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.
Chemical Safety Assessment : It has not been carried out.

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative
Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Further information : None.
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