Material Safety Data Sheet

Potable Water Stabilizer Treatment (RXSOL-32-3104-025)

1. Product and Company Identifaction

Product Name	Potable Water Stabilizer Treatment
Product Type	RXSOL-32-3104-025

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA
Stock Point : Kandla, Mumbai, Chennai, Kolkata, Visakhapatnam, Fujairah

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

This product is not classified as dangerous in accordance with Directives 67/548/EEC or 1999/45/EC. Any disclosed substance(s) are present below hazardous concentration levels for the product classification.

Hazardous Substance(s)	EINECS / ELINCS NO	CAS NO	SYMBOL	R-PHRASES / NOTAS	% (w/w)
Sodium Carbonate	207-838-8	497-19-8	Xi	R36	1 - 5

Refer to Section 16 for descriptions of relevant risk phrases and Notas.

3. Hazards Identification

HAZARD CLASSIFICATION :
This product is not classified as dangerous in accordance with Directives 67/548/EEC or 1999/45/EC. Any disclosed substance(s) are present below hazardous concentration levels for the product classification.

HUMAN HEALTH HAZARDS - ACUTE :
INHALATION :
Not a likely route of exposure. May cause irritation of mucous membranes.
SKIN CONTACT :
Can cause mild irritation.
EYE CONTACT :
Can cause mild irritation.
INGESTION :
Not a likely route of exposure. There may be irritation to the gastro-intestinal tract with nausea and vomiting.
HUMAN HEALTH HAZARDS - CHRONIC :
No adverse effects expected other than those mentioned above.

4. First Aid Measures

INHALATION :	Remove to fresh air, treat symptomatically. If symptoms develop, seek medical advice.
SKIN CONTACT :	Flush affected area with water. If symptoms develop, seek medical advice.
EYE CONTACT :	Flush affected area with water. Get medical attention.
INGESTION :	Get medical attention. Do not induce vomiting without medical advice. If conscious, washout mouth and give water to drink. If reflexive vomiting occurs, rinse mouth and repeat administration of water.

NOTE TO PHYSICIAN:	Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

5. Fire-fighting Measures

FLASH POINT :	Not flammable
EXTINGUISHING MEDIA :	Not expected to burn. Use extinguishing media appropriate for surrounding fire.
FIRE AND EXPLOSION HAZARD :	Not flammable or combustible.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING :	In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

6. Accidental Release Measures

PERSONAL PRECAUTIONS :
Restrict access to area as appropriate until clean-up operations are complete. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Stop or reduce any leaks if it is safe to do so.
Ventilate spill area if possible.

METHODS FOR CLEANING UP :
SMALL SPILLS: Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area. LARGE SPILLS: Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Clean contaminated surfaces with water or aqueous cleaning agents. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

ENVIRONMENTAL PRECAUTIONS :
Do not contaminate surface water.

7. Handling and Storage

HANDLING :
Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Do not breathe vapors/gases/dust. Keep the containers closed when not in use. Have emergency equipment (for fires, spills,leaks, etc.) readily available. Ensure all containers are labeled.

STORAGE CONDITIONS :
Protect product from freezing. Store in suitable labeled containers. Store the containers tightly closed.

SUITABLE CONSTRUCTION MATERIAL :
HDPE (high density polyethylene), Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use.

SPECIFIC USE(S) :
POTABLE WATER TREATMENT:
For specific dosages and customized applications please contact your representative.

8. Exposure controls and personal protection

OCCUPATIONAL EXPOSURE LIMITS	This product does not contain any substance that has an established exposure limit.
ENGINEERING MEASURES :	General ventilation is recommended.

PERSONAL PROTECTION:

GENERAL ADVICE :	The use and choice of personal protection equipment is related to the hazard of the product, the workplace and the way the product is handled. In general, we recommend as a minimum precaution that safety glasses with side-shields and workclothes protecting arms, legs and body be used. In addition any person visiting an area where this product is handled should at least wear safety glasses with side-shields. The applicable European standard can be found in EN 166.
RESPIRATORY PROTECTION :	At ambient temperature none needed for vapour. If product is heated or if aerosol generation is likely, the use of a half face filter mask is recommended. A suitable filter material depends on the amount and type of chemicals being handled. Consider the use of filter type: P The applicable European standard can be found in EN 140, EN 137,EN 143 and EN 14387. In event of emergency or planned entry into unknown concentrations a positive pressure,full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

HAND PROTECTION :	When handling this product, the use of chemical gloves is recommended. The choice of work glove depends on work conditions and what chemicals are handled, but we have positive experience under light handling conditions using gloves made from PVC Gloves should be replaced immediately if signs of degradation are observed.Breakthrough time not determined as preparation, consult PPE manufacturers. The applicable European standard can be found in EN 374.
SKIN PROTECTION :	See general advice. The applicable European standard can be found in EN ISO 20345.
EYE PROTECTION :	When handling this product, the use of safety glasses with side shields is recommended. The applicable European standard can be found in EN 166.
HYGIENE RECOMMENDATIONS :	Use good work and personal hygiene practices to avoid exposure. Consider the provision in the work area of a safety shower and eyewash. Always wash thoroughly after handling chemicals. When handling this product never eat, drink or smoke.

9. Physical and chemical properties

Information on basic physical and chemical properties:

PHYSICAL STATE	Liquid
APPEARANCE	Clear Colorless
ODOR	None
FLASH POINT :	Not flammable
SPECIFIC GRAVITY	1.14 (25 °C)
SOLUBILITY IN WATER	Complete
pH (100 %)	8.5 - 10
VISCOSITY	15 cps (25 °C)
FREEZING POINT	-1 °C
BOILING POINT	100 °C
VAPOR PRESSURE	Same as water

Note:
These physical properties are typical values for this product and are subject to change.

10. Stability and reactivity

STABILITY :	Stable under normal conditions.
HAZARDOUS POLYMERIZATION :	Hazardous polymerization will not occur.
CONDITIONS TO AVOID :	Avoid extremes of temperature.
MATERIALS TO AVOID :	Acids

HAZARDOUS DECOMPOSITION PRODUCTS :

Under fire conditions:	Oxides of phosphorus

11. Toxicological information

No toxicity studies have been conducted on this product.

SENSITIZATION :
This product is not expected to be a sensitizer.

CARCINOGENICITY :
None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).
For additional information on the hazard of the preparation, please consult section 2 and 12.

12. Ecological information

ECOTOXICOLOGICAL EFFECTS :
The following results are for the product.

ACUTE FISH RESULTS :

Species	Exposure	LC50	NOEC	Method	Test Descriptor
Bluegill Sunfish	96 hrs	> 1,000 mg/l			Product
Rainbow Trout	96 hrs	880 mg/l			Product

ADDITIONAL ECOLOGICAL DATA:
High phosphate levels in surface water can cause eutrophication with subsequent algal blooms and oxygen depletion.

MOBILITY :
The environmental fate was estimated using a level III fugacity model embedded in the EPI (estimation program interface) Suite TM, provided by the US EPA. The model assumes a steady state condition between the total input and output. The level III model does not require equilibrium between the defined media. The information provided is intended to give the user a general estimate of the environmental fate of this product under the defined conditions of the models.If released into the environment this material is expected to distribute to the air, water and soil/sediment in the approximate respective percentages;

Air	Water	Soil/Sediment
5%	30 - 50%	30 - 50%

The portion in water is expected to be soluble or dispersible.

PERSISTENCY AND DEGRADATION :
Greater than 95% of this product consists of inorganic substances for which a biodegradation value is not applicable.

BIOACCUMULATION POTENTIAL:
This preparation or material is not expected to bioaccumulate.

13. Disposal considerations

If this preparation becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code. Use only authorized contractors. Ensure compliance with EC, national and local regulations.Dispose of wastes in an approved incinerator or waste treatment/disposal site, in accordance with all applicable regulations. Do not dispose of wastes in local sewer or with normal garbage. This product will generate an ash if burned. It can be burned directly in appropriate equipment. Any chemical waste is a potential environmental pollutant and is NOT suitable for disposal via ground, municipal sewers, drains, natural streams or rivers.Empty drums should be taken for recycling, recovery, or disposal through a suitably qualified or licensed contractor.

EUROPE WASTE CODE :
16 03 04 - OFF SPECIFICATION BATCHES AND UNUSED PRODUCTS - Inorganic wastes other than those mentioned in 16 03 03. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code.

14. Transport information

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties, and mode of transportation. Typical Proper Shipping Names for this product are as follows.

LAND TRANSPORT:
Proper Shipping Name : PRODUCT IS NOT REGULATED DURING

TRANSPORTATION:
AIR TRANSPORT (ICAO/IATA):
Proper Shipping Name : PRODUCT IS NOT REGULATED DURING

TRANSPORTATION:
MARINE TRANSPORT (IMDG/IMO):
Proper Shipping Name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

15. Regulatory information

CLASSIFICATION AND LABELLING :
This preparation is not regulated, however, we recommend the following safety precautions:

SAFETY PHRASES
S24/25 - Avoid contact with skin and eyes.
S37/39 - Wear suitable gloves and eye/face protection.

16. Other information

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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.