Material Safety Data Sheet

Dechlorine Liquid (RXSOL-40-4047-030)

1. Product and Company Identifaction

Product Name	**Dechlorine Liquid**
Product Type	**RXSOL-40-4047-030**

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

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
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2. Composition / informationon ingredients

HAZARDOUS INGREDIENTS	None	
NON-HAZARDOUS INGREDIENTS	Sodium Sulfite	35%
Proprietory Blend of Polymer	Inert Ingredients	65% (Includes sustained release agents)

3. Hazards Identification

ACUTE TOXICITY DATA (ANIMAL):

LC 50 INHALATION	:See effects of overexposure.LD 50 ORAL
LD 50 DERMAL	2825 MG/KG (Rabbit)
LD 50 DERMAL	:See effects of overexposure.
LC 50 AQUATIC	:Very high concentrations will chemically deplete dissolved oxygen necessary for aquatic life.
CHRONIC TOXICITY	:Sodium Sulfite may cause allergic reactions in sensitive individuals. Contact with strong acids or high temperatures may generate Sulfur Dioxide, which is toxic, corrosive and hazardous.

4. First Aid Measures

INHALATION:
Remove to fresh air. If not breathing, resuscitate and administer oxygen if readily available. Seek medical attention immediately.

EYE CONTACT:
Immediately flush with large amounts of water for fifteen (15) minutes, rinsing eye thoroughly. Get medical attention.

SKIN CONTACT :
Ash with plenty of soap and water for fifteen (15) minutes. Remove contaminated clothing. If skin irritation occurs, get medical attention. Wash clothing before reuse.

INGESTION :
l conscious, drink large quantities of water or milk and induce vomiting. Call a physician immediately. Avoid alcohol. If unconscious, or in convulsions, seek medical attention immediately. Do not give anything by mouth to an unconscious person.

5. Fire-fighting Measures

FLASH POINT	Not Applicable
FLAMMABLE LIMITS IN AIR	Not Applicable
EXTINGUISHING MEDIA	Use extinguishing media appropriate for burning material. Compatible with water fog, spray foam or CO2.
SPECIAL FIRE FIGHTING PROCEDURES	NIOSH/MSHA-Approved, positive pressure, self-contained breathing apparatus with full face piece.
UNUSUAL FIRE & EXPLOSION HAZARD	At 600° C, Sodium Sulfide is formed. At 900° C, Sulfur Dioxide is formed. Inert ingredients could support combustion by burning, yielding carbon dioxide and water. Use self-contained breathing apparatus for fire fighting

6. Accidental Release Measures

Spills exceeding 100 pounds should be reported to the local authorities:

1. Contain all spilled material, wearing appropriate protective equipment.

2. Place spilled material in clean, dry containers for disposal. Do not flush to surface water.

WASTE DISPOSAL METHOD:

Not rated a hazardous substance by USEPA. Collected material can be dissolved in water, exercising caution. Dissolved material may be discharged into an appropriate industrial waste collection system but consult local, state and federal regulating agencies before disposing of any material.

7. Handling and Storage

Handling Procedures	:Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.
Storage Requirements	:Store in a cool, dry area at temperatures below 27oC and away from acids or oxidizers. Keep container closed. Protect from physical damage.

8. Exposure controls and personal protection

ACUTE TOXICITY DATA (ANIMAL):

LC 50 INHALATION	See effects of overexposure.
LD 50 ORAL	2825 MG/KG (Rabbit)
LD 50 DERMAL	See effects of overexposure
LC 50 AQUATIC	Very high concentrations will chemically deplete dissolved oxygen necessary for aquatic life.
CHRONIC TOXICITY	Sodium Sulfite may cause allergic reactions in sensitive individuals. Contact with strong acids or high temperatures may generate Sulfur Dioxide, which is toxic, corrosive and hazardous.

RESPIRATORY PROTECTION	:If dusty conditions are encountered, use NIOSH/MSHA respirator with acid gas cartridge and dust pre-filter.
VENTILATION	:Store and use in a well-ventilated area.
EYE PROTECTION	:Chemical safety goggles
GLOVES	:Natural or synthetic rubber.
OTHER PROTECTIVE QUIPMENT	:Boots, aprons or chemical suits as required to prevent skin contact.

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9. Physical and chemical properties

BOILING POINT AT 760 mm Hg	:Decomposes at 900° C
FREEZING/MELTING POINT	:Not Applicable
SOLUBILITY IN H2O; % BY WEIGHT	:25% at 80° C
SPECIFIC GRAVITY OF TABLET	:2.63 (H2O = 1
APPROXIMATE TABLET DENSITY	:125 lbs./ft3
pH OF SOLUTION	:Alkaline
VOLUME % VOLATILE	:Not Applicable
APPEARANCE AND ODOR	:Green Tablet with Mild Odor

10. Stability and reactivity

Stability	:Stable under normal conditions
Incompatibility	:Acids and strong oxidizers
Hazardous Products of Decomposition	:Reaction with strong oxidizers cause vigorous exothermic reactions.Reaction with acids release sulfur dioxide gas.
Polymerization	Will not occur

11. Toxicological information

Irritancy	:Mild irritant
Sensitization	:Not available
Chronic/Acute Effects	:No other effects expected other than what has been listed in Section 3.
Synergistic Materials	:Not available
Animal Toxicity Data	:LD50(oral, rabbit): 2825mg/kg
Carcinogenicity	:Not available
Reproductive Toxicity	:Not available
Teratogenicity	:Not available
Mutagenicity	:Not available

12. Ecological information

Fish Toxicity	Not available

Biodegradability	Not available
Environmental Effects	High concentrations will chemically deplete dissolved oxygen which is necessary for aquatic life.

13. Disposal considerations

Waste Disposal:
Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act

14. Transport information

TDG Classification:

Class	Not regulated
Group	Not regulated
PIN Number	Not regulated
Other	Secure containers (full and/or empty) with suitable hold down devises during shipment.

15. Regulatory information

WHMIS Classification: D2

NOTE:
THE PRODUCT LISTED ON THIS MSDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS MSDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37:Irritating to respiratory system; R41: Risk of serious damage to eyes. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents 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.

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