# Material Safety Data Sheet

**Sewage Treatment Chlorination** (RXSOL-40-4159-025)

## 1. Product and Company Identifaction

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| Porduct Name | Sewage Treatment Chlorination |
| Part Number | RXSOL-40-4159-025 |

Company Details:

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

| | |
|---|---|
| Phone | +91 22 20871200 - 1400 |
| Fax | +91 22 27612100 :::AOH :0091 9821214367 |
| Email | mail@rxmarine.com |
| Website | www.rxmraine.com |


## 2. Composition / informationon ingredients

| Chemical Name | CAS No. | Weight% |
|---|---|---|
| Sodium Hypochlorite | 7681-52-9 | 4 – 6 |
| Proprietory Blend | --- | Balanced |

## 3. Hazards Identification

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| Hazard pictograms (CLP): | GHS05, GHS09. |
| Hazard Statements: | H314 - Causes severe skin burns and eye damage.<br>H410 - Very toxic to aquatic life with long lasting effects |
| Signal Word: | Danger. |
| Precautionary Statements: | P273 - Avoid release to the environment.<br>P280 - Wear protective clothing, eye protection, face protection, protective gloves.<br>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing |
| EHU Statement: | EUH031 - Contact with acids liberates toxic gas. |

## 4. First Aid Measures

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| First-aid measures general: | Call a physician immediately. |

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| Skin Contact: | Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor. Call a physician immediately. |
| Inhalation: | Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. |
| Eye contact: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Call a physician immediately. |
| Ingestion: | Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Do not induce vomiting. Call a physician immediately. |
| Immediate Medical Attention and Special Treatment: | Treat symptomatically. |
| Most Important Symptoms and Effects Both Acute and Delayed: | Causes severe skin burns and eye damage.<br>Skin Burns.<br>Serious damage to eyes. |

## 5. Fire-fighting Measures

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| Suitable extinguishing media: | Carbon dioxide. Dry powder. Foam. Water spray |
| Unsuitable extinguishing media: | Do not use extinguishing media containing water. |
| Special hazards arising from the substance or mixture: | Toxic fumes may be released. |
| Special Protective Equipment and Precautions For Fire Fighters: | Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

## 6. Accidental Release Measures

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| Personal precautions, protective equipment and emergency procedures: | Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.<br>Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. |
| Environmental precautions: | Avoid release to the environment. |
| Methods and material for containment and cleaning up: | Collect spillage.<br>Take up liquid spill into absorbent material. On land, sweep or shovel into suitable containers.<br>Dispose of materials or solid residues at an authorized site. |

## 7. Handling and Storage

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| Precautions For Safe Handling: | Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment. |

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| Conditions For Safe Storage: | Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep cool. |
| Hygiene measures: | Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

## 8. Exposure controls and personal protection

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| Appropriate engineering controls: | Ensure good ventilation of the work station. |
| Hand protection: | Protective gloves. |
| Eye/face protection: | Chemical goggles or face shield. |
| Respiratory protection: | [In case of inadequate ventilation] wear respiratory protection. |
| Skin and body protection: | Wear a mask. |
| General Hygiene Considerations: | Wash thoroughly after handling and before eating or drinking. |

## 9. Physical and chemical properties

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| Physical state: | Liquid |
| Colour: | Pale yellow |
| Odour: | Slight chlorine. |
| Odor Threshold: | Not available. |
| pH: | 11.4 – 13 |
| Solubilty: | Soluble. |
| Flash point: | Not available |
| Boiling Point and Boiling Range: | ~100 °C |
| Melting Point and Freezing Point: | Not available |
| Density: | ~1.12 g/ml at 20°C |
| Relative Density: | Not available |
| Decomposition temperature: | Not available |
| Flammability (solid, gas): | Non flammable. |
| Viscosity | Not available |
| Vapor Pressure: | 23.3 hPa at 20 °C |
| Specific Gravity: | Not available |
| Autoignition Temperature: | Not available |

## 10. Stability and reactivity

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| Reactivity: | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability: | Stable under normal conditions. |
| Conditions to avoid: | Direct sunlight. Overheating. Open flame. Heat. Sparks. |
| Possibility of hazardous reactions: | Contact with acids liberates toxic gas |
| Incompatible materials: | Oxidizing agent. Acids. |
| Hazardous decomposition products: | Thermal decomposition generates : Corrosive vapours. |

## 11. Toxicological information

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| Component Toxicity: | Not classified. |
| Acute toxicity: | Not classified. |
| Skin corrosion/irritation: | Causes severe skin burns. pH: 11.4 – 13 |
| Serious eye damage/irritation | Assumed to cause serious eye damage pH: 11.4 – 13 |
| Respiratory or skin sensitization: | Not classified. |

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| Carcinogenicity: | Not classified. |
| Germ cell mutagenicity: | Not classified. |
| Reproductive toxicity: | Not classified. |
| Specific target organ toxicity single exposure: | Not classified. |

## 12. Ecological information

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| Ecotoxicity: | Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. |
| Persistence and degradability: | No data available. |
| Mobility in soil: | No data available. |
| Bioaccumulative Potential: | No data available. |
| Other adverse effects: | No additional information available. |

## 13. Disposal considerations

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| Waste treatment methods: | Dispose of contents/container in accordance with licensed collector’s sorting instructions. |
| Product/Packaging disposal recommendations: | Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

## 14. Transport information

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| UN number: | UN 1791 |
| UN proper shipping name: | HYPOCHLORITE SOLUTION. |
| Transport hazard class(es): | 8 |
| Packaging group: | III |
| Environmental hazards: | YES. |
| Special precautions for user: | Not regulated. |

## 15. Regulatory information

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| US Federal Regulations: | No additional information available. |
| State Regulations: | No additional information available. |
| Other Regulations: | All components are on the U.S. EPA TSCA Inventory List. |

## 16. Other information

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Other Information:

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