# Material Safety Data Sheet

**Sodium Tri Poly Phosphate STPP RXSOL** (RXSOL-19-1523-025)

## 1. Product and Company Identifaction

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|---|---|
| Part Number | RXSOL-19-1523-025 |
| Product Name | Sodium Tripolyphosphate |

**Company Details:**

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Vizag, Surat, Fujairah, Muscat, Nairobi

| | |
|---|---|
| Phone | +91 22 65113333 / 5555 / 9999 / 27611360 |
| Fax | +91 22 2781 1318 :::AOH :0091 9821214367 |
| Email | mail@rxmarine.com |


## 2. Composition / informationon ingredients

| Name | CAS # % | Weight |
|---|---|---|
| Sodium Tripolyphosphate | **7758-29-4** | **100** |

**Toxicological Data on Ingredients:** Sodium tripolyphosphate: ORAL (LD50): Acute: 3900 mg/kg [Rat.]. 3100 mg/kg [Mouse].

## 3. Hazards Identification

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| **Potential Acute Health Effects** | Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator) |
| **Potential Chronic Health Effects** | CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic forbacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to heart, cardiovascular system. Repeated or prolonged exposure to the substance can produce target organs damage. |

## 4. First Aid Measures

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| **Eye Contact** | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention |
| **Skin Contact** | In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention |
| **Serious Skin Contact** | Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention |

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| **Inhalation** | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medicalattention |
| **Serious Inhalation** | Not available |
| **Ingestion** | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband |
| **Serious Ingestion** | Not Available |

## 5. Fire-fighting Measures

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| **Flammability of the Product** | Non-flammable |
| **Auto-Ignition Temperature** | Not Applicable |
| **Flash Points** | Not Applicable |
| **Flammable Limits** | Not Applicable |
| **Products of Combustion** | Not Available |
| **Fire Hazards in Presence of Various Substances** | Not applicable |
| **Explosion Hazards in Presence of Various Substances** | Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. |
| **Fire Fighting Media and Instructions** | Not Applicable |
| **Special Remarks on Fire Hazards** | Not Available |
| **Special Remarks on Fire Hazards** | Not Available |

## 6. Accidental Release Measures

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| **Small Spill** | Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements |
| **Large Spill** | Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system |

## 7. Handling and Storage

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| **Precautions** | Do not ingest. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment If ingested,seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes Keep away from incompatibles such as oxidizing agents, acids |
| **Storage** | No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded |

## 8. Exposure controls and personal protection

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| **Engineering Controls** | Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit |
| **Personal Protection** | Safety glasses. Synthetic apron. Gloves (impervious). |
| **Personal Protection in Case of a Large Spill** | Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product |
| **Exposure Limits** | Not available |

## 9. Physical and chemical properties

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| **Physical state and appearance** | Solid. (Crystalline solid.) |
| **Odor** | Odorless |
| **Taste** | Saline |
| **Molecular Weight** | 367.86 g/mole |
| **Color** | White. |
| **pH** | 8 |
| **Boiling Point** | Decomposes |
| **Melting Point** | 622°C (1151.6°F) |
| **Critical Temperature** | Not available |
| **Specific Gravity** | Not Applicable |
| **Vapor Pressure** | Not applicable |
| **Vapor Density** | Not available |
| **Volatility** | Not available |
| **Odor Threshold** | Not available |
| **Water/Oil Dist. Coeff** | Not available |
| **Ionicity (in Water)** | Not available |
| **Dispersion Properties** | See solubility in water. |
| **Solubility** | Easily soluble in hot water. Soluble in cold water. Very slightly soluble in methanol. Insoluble in diethyl ether, n-octanol |

## 10. Stability and reactivity

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| **Stability** | The product is stable |
| **Instability Temperature** | Not available |
| **Conditions of Instability** | Incompatible materials, moisture |
| **Incompatibility with various substances** | Reactive with moisture |

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| **Corrosivity** | Non-corrosive in presence of glass |
| **Special Remarks on Reactivity** | Hygroscopic. Reacts violently (violent boiling) with water, generating heat. Forms flammable gases and evolves hydrogen when reacted with zinc. Solutions attack some metals. Generates heat and violent polymerization occurs when mixed with methyl vinyl ether. Bromine trifluoride reacts violently with and attacks calcium chloride |
| **Special Remarks on Corrosivity** | Not available |
| **Polymerization** | Will not occur |

## 11. Toxicological information

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| **Routes of Entry** | Absorbed through skin. Inhalation. Ingestion |
| **Toxicity to Animals** | Acute oral toxicity (LD50): 3100 mg/kg [Mouse]. |
| **Chronic Effects on Humans** | The substance is toxic to lungs |
| **Other Toxic Effects on Humans** | Not available |
| **Special Remarks on Toxicity to Animals** | Not available |
| **Special Remarks on Chronic Effects on Humans** | Not available |
| **Special Remarks on other Toxic Effects on Humans** | Material is irritating to mucous membranes and upper respiratory tract |

## 12. Ecological information

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|---|---|
| **Ecotoxicity** | Not available |
| **BOD5 and COD** | Not available |
| **Products of Biodegradationa** | Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise |
| **Toxicity of the Products of Biodegradation** | The products of degradation are less toxic than the product itself. |
| **Special Remarks on the Products of Biodegradation** | Not available |

## 13. Disposal considerations

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| **Waste Disposal** | Waste must be disposed of in accordance with federal, state and local environmental control regulations |

## 14. Transport information

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| **DOT Classification** | Not a DOT controlled material (United States). |
| **Identification** | Not applicable |
| **Special Provisions for Transport** | Not applicable |

## 15. Regulatory information

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| **Federal and State Regulations** | Pennsylvania RTK: Sodium tripolyphosphate Massachusetts RTK: Sodium tripolyphosphate TSCA 8(b) inventory: Sodium tripolyphosphate CERCLA: Hazardous substances.: Sodium tripolyphosphate |
| **Other Regulations** | EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances |
| **Other Classificationsa** | |
| **WHMIS (Canada)** | CLASS D-2A: Material causing other toxic effects (VERY TOXIC) |
| **DSCL (EEC)** | R36- Irritating to eyes. S2- Keep out of the reach of children. S22- Do not breathe dust. S24- Avoid contact with skin |
| **HMIS (U.S.A.):** | |
| **Health Hazard** | 2 |
| **Fire Hazard** | 0 |
| **Reactivity** | 0 |
| **Personal Protection:** | E |
| **National Fire Protection Association (U.S.A.):** | |
| **Health** | 2 |
| **Flammability** | 0 |
| **Reactivity:** | 0 |
| **Specific hazard:** | |
| **Protective Equipment** | Gloves (impervious). Synthetic apron. Wear appropriate respirator when ventilation is inadequate. Safety glasses |

## 16. Other information

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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