**Material Safety Data Sheet**

**Nitrate Test Kit** (RXSOL-62-6046-001)

## 1. Product and Company Identifaction

Product Name **Nitrate Test Kit**

Product Type **RXSOL-62-6046-001**

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

| | |
|---|---|
| Phone | +91 22 65113333/ 5555 / 9999 / 27611360 / 27815540 |
| Fax | +91 22 2781 1318 :::AOH :0091 9322594669 |
| Email | mail@rxmarine.com |

## 2. Composition / informationon ingredients

| SARA 313 | Component | CAS Number | Percent Comp. | Dimension | Exposure Limits |
|---|---|---|---|---|---|
| | Chromatropic Acid, Disodium Salt | CAS# 129-96-4 | 1 – 5% | W/W | Oral rat LD50 > 5000 mg/kg |
| | Sodium Sulfanilate | CAS# 515-74-2 | 5 – 15% | W/W | None Established |
| | Potassium Pyrosulfate | CAS# 7790-62-7 | 1 – 10% | W/W | Oral rat LD50 2340 mg/kg |
| | Potassium Phosphate, Monobasic | CAS# 7778-77-0 | 75 – 85% | W/W | Oral rat LD50 7100 mg/kg |
| | 1,2- Cyclohexanediaminetetraacetic Acid Trisodium Salt | CAS# 36679-96-6 | 1 – 5% | W/W | None established |

## 3. Hazards Identification

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|---|---|
| Emergency Overview: | Causes eye burns may cause skin and respiratory tract irritation |
| Inhalation: | May cause: irritation of nose and throat |
| Ingestion: | May cause: irritation of the mouth and esophagus Very large doses may cause: gastrointestinal disturbances, cardiac depression, kidney damage |

| | |
|---|---|
| Skin: | May cause irritation |
| Eye Contact: | Causes eye burns. |
| Chronic Exposure: | None reported |
| Aggravated by Exposure: | Pre-existing: eye conditions, kidney conditions, central nervous system Diseases |

## 4. First Aid Measures

FIRST AID:

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| SKIN: | Wash exposed area with soap and water. If irritation persists, seek medical attention. |
| EYES: | Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. |
| INHALATION: | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. |
| INGESTION: | Do not induce vomiting. Give 1-2 glasses of water. Call physician immediately. Never give anything by mouth to an unconscious person. |

## 5. Fire-fighting Measures

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| Fire Extinguisher Type: | Any means suitable for extinguishing surrounding fire |
| Fire/Explosion Hazards: | Not a fire/explosion hazard, however, during a fire, this product decomposes to form toxic gases. |
| Firefighting Procedure: | As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear. |

## 6. Accidental Release Measures

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| Spill Response Notice: | Only persons properly qualified to respond to an emergency involving hazardous substances should respond to a spill involving chemicals. See Section 13, Special Instructions for disposal assistance. Containment Technique: Stop spilled material from being released to the environment. |
| Clean-up Technique: | Scoop up spilled material into a large beaker and dissolve with water. Adjust to a pH between 6 and 9 with an alkali, such as soda ash or sodium bicarbonate. Flush the spilled material to the drain with a large excess of water. |
| Evacuation Procedure: | Evacuate local area (15 foot radius or as directed by your facility's emergency response plan) when: any quantity is spilled. |

## 7. Handling and Storage

Protect from: light, heat and moisture Avoid contact with eyes and skin Do not breathe dust. Wash thoroughly after handling. Maintain general industrial hygiene practices when using this product.

## 8. Exposure controls and personal protection

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| Respiratory protection | Not required |
| Ventilation | Local Exhaust<br>Mechanical |
| Protective gloves | Disposable latex gloves |
| Eye protection | Safety glasses with top and side shields |
| Other protective equipment | Lab coat |

## 9. Physical and chemical properties

| | |
|---|---|
| Melting Point | 224°C (435°F) |
| Boiling Point | Not applicable |
| Vapor Pressure | Not applicable |
| Vapor Density | Not applicable |
| Solubility In Water | Soluble |
| Appearance/Odors | White powder |
| Flash Point | |
| Percent Volatile By Volume | Not applicable |
| Evaporation Rate | Not applicable |
| Evaporation Standard | |

| | |
|---|---|
| Auto Ignition Temp | Not Applicable |
| Lower Flamm. Limit In Air | Not Applicable |
| Upper Flamm. Limit In Air | Not Applicable |
| Specific Gravity | 3.12 |

## 10. Stability and reactivity

| | |
|---|---|
| Stability | Stable |
| Conditions to Avoid | Excess moisture and extreme temperatures |
| Materials to Avoid | None reported |
| Hazardous Decomposition Products | Toxic fumes of: phosphorus oxides carbon monoxide, carbon dioxide |
| Hazardous Polymerization | Will not occur |
| Conditions to Avoid | None known |

## 11. Toxicological information

This product does NOT contain any IARC or NTP listed chemicals.

## 12. Ecological information

No information found

## 13. Disposal considerations

Dilute material with excess water making a weaker than 5% solution. Adjust to a pH between 6 and 9 with an alkali, such as soda ash or sodium bicarbonate. Open cold water tap completely, slowly pour the reacted material to the drain. Rinse empty containers three times with an appropriate solvent. Dispose of empty container as normal trash. These disposal guidelines are based on federal regulations and may be superseded by more stringent state or local requirements. Please consult your local environmental regulators for more information.

## 14. Transport information

**DOT Classification:**
Not regulated

DOT regulations may change from time to time. Please consult the most recent DOT regulations.

## 15. Regulatory information

**Canadian Inventory Status:**
All ingredients of this product are DSL/NDSL listed.
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

**WHMIS Hazard Classification:**
Class D, Division 2, Subdivision B - Toxic material (other toxic effects)

## 16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Rx Marine International be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.