# Material Safety Data Sheet

**Iron Indicator Solution** (RXSOL-60-6271-500)

## 1. Product and Company Identifaction

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|---|---|
| Product Name | Iron Indicator Solution |
| Product Type | RXSOL-60-6271-500 |

**Company Details:**

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

| | |
|---|---|
| Phone | +91 22 65113333 / 5555 / 9999 |
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## 2. Composition / informationon ingredients

| SARA 313 Component | CAS Number | Percent Comp. | Dimension | Exposure Limits |
|---|---|---|---|---|
| N-Propoxy Propanol Prop Glycol Propyl Ether | CAS#1569- | 30- | V/V | OSHA TWA 1000 ppm(2400 mg/mƒ) |
| Salicylic Acid | CAS# 69-72-7 | 1 - 3% | V/V | TXDS: orl-rat LD••: 891 mg/Kg |
| Triethanolamine 99% | CAS# 102-71-6 | 2 - 5% | V/V | OSHA TWA50 ppm (270mg/mƒ) |
| Water, Deionized ASTM Type II | CAS# 7732-18-5 | Balance | V/V | None Established |

## 3. Hazards Identification

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container

Emergency Overview: Warning! If Swallowed, Inhaled Or Absorbed Through Skin. Affects Central Nervous System, Kidneys, And Pancreas. Causes Irritation To Skin, Eyes And Respiratory Tract.

Inhalation: Inhalation may cause coughing, sneezing, dizziness, and shortness of breath may occur.

Ingestion: May cause moderate irritation of the mouth, throat esophagus, and stomach, with abdominal and chest discomfort, nausea, vomiting, diarrhea, dizziness, and faintness. Fatalities resulting from respiratory or cardiovascular failure are known. Mean lethal dose of salicylates is between 20 and 30 grams.

Skin: Mild irritant. May cause skin rash in sensitive individuals.

Eye Contact: Liquid, vapor, and mist may cause discomfort in the eye with persistent conjunctivitis,
seen as slight excess redness of conjunctiva. Serious corneal injury is not anticipated.

Chronic Exposure: Central nervous system disturbances such as rapid breathing, confusion and even convulsions may develop. Kidneys and pancreas can be affected by prolonged ingestion.

Aggravated by Exposure: Persons with Pre-Existing Skin Disorders or Eye Problems or Impaired Respiratory Function, or Impaired Liver or Kidney Function may be more Susceptible to the effects of this agent.

## 4. First Aid Measures

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

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|---|---|
| SKIN: | Remove contaminated clothing. 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: | If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person. |

## 5. Fire-fighting Measures

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|---|---|
| Fire Extinguisher Type: | dry chemical, alcohol resistand foam,carbon dioxide |
| Fire / Explosion Hazards: | Toxic gases and vapors may be released if involved in a fire |
| Fire Fighting Procedure: | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing |

## 6. Accidental Release Measures

Ventilate area. Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

Ventilate area or Leak or Spill. Remove all Sources of Ignition.Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unprotected
from Entering. Contain and Recover Liquid when Possible. Use Non-Sparking Tools and Equipment. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculitem Dry Sand, Earth) and Place in a Chemical WasteContainer. Do Not Use Combustible Materials. Such as Saw Dust. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities

## 7. Handling and Storage

Store in a cool dry place. Do not get in eyes, on skin,on clothing. Wash thoroughly after handling. Protect
from physical damage and where a fire hazard may be acute. Do not pressurize, cut, weld braz.

## 8. Exposure controls and personal protection

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| Respiratory Protection | None required |
| Ventilation | Local |
| OTHER | Mechanical |
| Protective Gloves | Gloves to prevent skin exposure as rubber or vinyl |
| EYE PROTECTION | Splash Goggles |
| Other Protective Equipment | Wear appropriate clothing to prevent skin exposure |

## 9. Physical and chemical properties

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| BOILING POINT | Approx 302° |
| VAPOR PRESSURE | Not available |
| MELTING POINT | Information not available |
| VAPOR DENSITY | Not available |
| EVAPORATION RATE | Information not available |
| Appearance /Odors | Clear liquid,slight alcoholodor |

| | |
|---|---|
| Flash Point | > 230° F(>110° C) |
| Specific Gravity | 1.0 |
| Percent Volatile by Evaporation Standard | information not available |
| Auto Ignition Temp | > 780° F (>415° C) |
| Lower Flamm. Limit in Air | Not applicable |
| Upper Flamm. Limit in Air | Not applicable |
| Solubility in Water | Soluble |

## 10. Stability and reactivity

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|---|---|
| STABILITY | Stable |
| CONDITIONS TO AVOID | High temperatures, Light |
| MATERIALS TO AVOID | High temperatures, Light |
| HAZARDOUS DECOMPOSITION PRODUCTS | oxides of carbon, nitrogen |
| HAZARDOUS POLYMERIZATION | will not occur |
| Conditions to Avoid | None known |

## 11. Toxicological information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category -- None

## 12. Ecological information

Environmental Fate: When Released to the Soil and Water, this Material may Evaporate to Moderate Extent. When Released into the Soil, This Material may Leach into Groundwater. When Released into the water, This Material is Expected to have a Half Life Between 1 and 10 Days.

Environmental Toxicity: No Information Found.

## 13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Precessing, use or contamination of this product may change the waste management options, State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transport information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

## 15. Regulatory information

Components listed on TSCA Inventory.

## 16. Other information

Warning! Harmful if swallowed, inhaled or absorbed through skin. Affects CNS, kidneys and pancreas. Causes irritation to skin, eyes and respiratory tract. Conditions aggravated/target organs: Persons
with pre-existing skin, eye or respiratory disorders are more susceptible. Overexposure symptoms. Acute: irritation to skin, eyes, mucous membranes, and GI tract. Effects of overexposure. Chronic: CNS Disturbances such as rapid breathing, confusion and even confulsions may develop. Kidneys and pancreas can be affected by prolonged ingestion. Persons with pre-existing

Flammability Health Reactivity

| Revisions | NFPA |
|---|---|
| | 0 |
| 8/2/2010 | 0.1 updated msds to 16 section from 10 section msds. STN |

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