# Material Safety Data Sheet

**Sodium Sulfide 10% Solution** (RXSOL-60-6253-500)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | RXSOL-60-6253-500 |
| Product Type | Sodium Sulfide 10% Solution |

**Company Details:**

RX MARINE INTERNATIONAL
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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 |
|---|---|---|---|---|
| Sodium Sulfide | 1313- 84-4 | 10% | W/V | TXDS: orl-rat LD: 200 mg/Kg |
| Water, Deionized ASTM Type II | 7732- 18-5 | 90% | V/V | None Established |

## 3. Hazards Identification

May be harmful if swallowed. May cause irritation. Avoid breathing vapours, or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview: Caution Liquid May Be Harmful. Avoid Ingestion, And Contact With Skin, Eyes Or Clothing. If Ingested, Do Not Induce Vomiting. Dilute With Water, Or Milk, And Get Medical Attention. Contact With Acids Produce Hydrogen Sulfide Gas.

Inhalation: May cause mild irritation of the respiratory tract. Symptoms may include coughing, dizziness, nausea and headache.

Ingestion: May cause a sore throat, vomiting, diarrhoea, stomach upset and effects of inhalation.

Skin: May cause irritation, redness, and pain.

Eye Contact: May cause irritation, redness, pain, and tearing.

Chronic Exposure: No Information Found.

Aggravated by Exposure: No Information Found.

## 4. First Aid Measures

May be harmful if swallowed. May cause irritation. Avoid breathing vapours, or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

| | |
|---|---|
| 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 | Any means suitable for extinguishing surrounding fire |
| Fire / Explosion Hazards | Contact with acids will liberate poisonously flammable hydrogen Sulfide Gas. |
| Fire Fighting Procedure | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing. |

## 6. Accidental Release Measures

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

Ventilate Area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth),
and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw

## 7. Handling and Storage

Store in a cool dry place. Do not get in eyes, on the skin, on clothing. Wash thoroughly after handling

## 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 | ~100° C |
| Vapour PRESSURE | Information not available |
| MELTING POINT | ~0° C |
| Vapour DENSITY | Information not available |
| EVAPORATION RATE | N/A |
| Appearance /Odors | Clear yellow-green liquid with a Sulfur odor |
| Flash Point | Dust. Maybe combustible at high temp |
| Specific Gravity | ~1.1 |
| Percent Volatile by Evaporation Standard | ~90% |
| Auto Ignition Temp | Not applicable |
| 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 | Avoid contact with incompatible materials. |
| MATERIALS TO AVOID | Strong oxidizers, acids, metals (Aluminum, Copper, Zinc and their |
| HAZARDOUS DECOMPOSITION PRODUCTS | See section 10 |
| HAZARDOUS POLYMERIZATION | not expected to occur |
| Conditions to Avoid | None known |

## 11. Toxicological information

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

## 12. Ecological information

Environmental Fate: No Information Found.

Environmental Toxicity: No Information Found.

## 13. Disposal considerations

Dilute with Water and Flush to Sewer if Local Ordinances allow, Otherwise, Whatever Cannot be saved for recovery or recycling should be managed in an appropriate and approved waste Disposal Facility. Processing, 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

CAS# 1313-84-4 is not on the TSCA Inventory. It is a hydrate and exempt from TSCA Inventory requirements (40CFR720.3(u)(2)).

## 16. Other information

Contact with acids will liberate poisonous flammable hydrogen sulfide gas. Effects of overexposure / Target organs: Nerves, Cardiovascular system. Inhalation may cause irritation of mucous membranes and respiratory tract. Skin contact may cause irritation and burn to the eyes and skin. The material may be absorbed through the skin causing toxicity similar to hydrogen sulfide poisoning. Ingestion of this material may be toxic. Hydrogen sulfide may be produced in the intestinal tract. The material is corrosive and may produce intestinal and oesophagal burns. First Aid:
Inhalation: remove to fresh air. If ingested, seek medical attention,

Flammability

Health Reactivity

| Revisions | NFPA |
|---|---|
| 7/30/2010 | 0.1 updated msds to 16 section from 10 section msds. STN 0 |

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