

[www.rxmarine.com](http://www.rxmarine.com)

Company Details:  
RX MARINE INTERNATIONAL  
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VASHI ,NEW BOMBAY 400703 INDIA

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Not available.

## DEVELOPMENTAL TOXICITY:

Not available. The substance may damage the liver. Repeated or prolonged exposure 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 wash with plenty of water. Cover the irritated skin with an antibiotic ointment. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.

Serious Skin Contact:

Wash with a disinfectant. Remove contaminated skin with an antibiotic ointment. Get immediate medical attention.

Inhalation:

If inhaled, remove to fresh air. If breathing is difficult, use artificial respiration. If breathing is not normal, use oxygen. Get medical attention.

Serious Inhalation:

Not available.

Ingestion:

Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician. Remove contaminated clothing and shoes. Get medical attention.

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 case of mechanical impact: Not available. The product is not flammable in the presence of an ignition source. Not available.
Fire Fighting Media and Instructions:	Not applicable.
Special Remarks on Fire Hazards:	Not available.
Special Remarks on Explosion 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. Flush with water on the contaminated surface and dispose of according to local and regional authorities.

### Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Be careful not to breathe dust. If present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

## 7. Handling and Storage

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### Precautions:

Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of inhalation, use suitable respiratory equipment. If ingested, seek medical advice immediately and show the container. Avoid contact with skin and eyes. Keep away from incompatibles such as metals, alkalis.

### Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8. Exposure controls and personal protection

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Engineering Controls:	Use process enclosures, local exhaust ventilation.
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other engineering controls to keep recommended exposure limit. Do not generate dust, fume or mist, avoid exposure to airborne contaminants above recommended limit.

Personal Protection:

Splash goggles. Lab coat. Dust mask or an approved/certified respirator.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust mask. A self contained breathing apparatus to avoid inhalation of the product. Protective clothing might not be sufficient. **BEFORE** handling this product.

Exposure Limits:

TWA: 5 (mg/m3) from OSHA (PEL) [United States] (TLV) [United States] Inhalation TWA: 5 (mg/m3) [United Kingdom (UK)] Inhalation TWA: 5 (mg/m3) [for acceptable exposure limits.

## 9. Physical and chemical properties

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Physical state and appearance:	Solid. (Powdered solid)
Odor:	Sulfurous. (Slight.)
Taste:	Disagreeable.
Molecular Weight:	104.07 g/mole
Color:	White. Off-white.
pH (1 % soln/water):	Not available.
Boiling Point:	Decomposition temperature: 650
Melting Point:	590°C (1094°F)
Critical Temperature:	Not available.
Specific Gravity:	1.48 (Water = 1)
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, methanol
Solubility in methanol:	Easily soluble in hot water. Soluble in cold water. Soluble in boiling water. Soluble in 70 parts alcohol Insoluble in liquid

## 10. Stability and reactivity

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Stability:	The product is stable.
Instability Temperature:	Not available.
Conditions of Instability:	Excess heat (high temperatures), incompatible materials, exposure to air.
Incompatibility with various substances:	Reactive with oxidizing agents, acids.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	Slowly oxidized to sulfate on exposure to air.
Special Remarks on Corrosivity:	Not Available
Polymerization:	Will not occur.

## 11. Toxicological information

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Routes of Entry:	Inhalation. Ingestion.
Toxicity to Animals:	Acute oral toxicity (LD50): 2000 mg/kg
Chronic Effects on Humans:	3(Not classifiable for human.) by IARC. MUTAGENIC to yeast. May cause damage to the following organs: lungs, liver, kidneys.
Other Toxic Effects on Humans:	Hazardous in case of skin contact and of inhalation.
Special Remarks on Toxicity to Animals:	Not available.
Special Remarks on Chronic Effects on Humans:	May affect genetic material and cause cancer based on animal test data.
Special Remarks on other Toxic Effects on Humans:	Acute Potential Health Effects: Skin: Causes skin irritation. Eyes: Causes eye irritation.

cause respiratory tract irritation and shortness of breath. It can cause other hypersensitivity reactions in individuals. Ingestion: May be harmful. May cause nausea, vomiting, diarrhea, pain, gastric hemorrhage. Extreme exposure may affect behavior/central nervous system. May cause central nervous system stimulation and may also cause, cyanosis, apnea, circulatory disturbance, cardiovascular collapse. May cause allergic reactions in sensitized individuals. Chronic exposure: Potential Health Effects: In repeated inhalation may cause bronchitis, cough, phlegm, and/or shortness of breath. May cause an asthma-like allergy or other allergic reactions such as anaphylaxis, angioedema, flushing, diaphoresis, urticaria, hypotension in sensitized individuals. May cause shortness of breath, chest tightness. Skin: Prolonged contact can cause dermatitis. Ingestion: Ingestion may affect the liver, and

## 12. Ecological information

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Ecotoxicity:	Not Available
BOD5 and COD:	Not Available.
Products of Biodegradation:	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:**

Connecticut hazardous material survey.: Sodium bisulfite Illinois toxic substances disclosure to employee act: Sodium bisulfite Illinois chemical safety act: Sodium bisulfite New York release reporting list: Sodium bisulfite Pennsylvania RTK: Sodium bisulfite Minnesota: Sodium bisulfite Massachusetts RTK: Sodium bisulfite Massachusetts spill list: Sodium bisulfite New Jersey: Sodium bisulfite New Jersey spill list: Sodium bisulfite Louisiana spill reporting: Sodium bisulfite California Director's List of Hazardous Substances: Sodium bisulfite TSCA 8(b) inventory: Sodium bisulfite TSCA 8(a) PAIR: Sodium bisulfite TSCA 8(d) H and S data reporting: Sodium bisulfite: Effective date: 1/26/94; Sunset date: 6/30/98 CERCLA: Hazardous substances.: Sodium bisulfite: 5000 lbs. (2268 kg)

#### **Other Regulations: OSHA:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

#### **Other Classifications:**

WHMIS (Canada): CLASS D-2B: Material causing other toxic effects(TOXIC).

DSCL (EEC):

R22- Harmful if swallowed. R31- Contact with acids liberates toxic gas. S25- Avoid contact with eyes. S46- If swallowed, seek medical advice immediately and show this container or label.

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HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

## 16. Other information

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