

**1. Product and Company Identifaction**[www.rxmarine.com](http://www.rxmarine.com)

Product Name **Sodium Sulphite**  
Product Type **RXSOL-19-1305-050**

**Company Details:**

**RX MARINE INTERNATIONAL**  
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**2. Composition / Information on ingredients**[www.rxmarine.com](http://www.rxmarine.com)

<b>Name</b>	<b>CAS #</b>	<b>% by Weight</b>
Sodium Sulphite	7631-90-5	100

**3. Hazards Identification**[www.rxmarine.com](http://www.rxmarine.com)**Potential Acute Health Effects:**

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

**Potential Chronic Health Effects:**

**CARCINOGENIC EFFECTS:**

Not available.

**MUTAGENIC EFFECTS:**

Mutagenic for mammalian somatic cells.

**TERATOGENIC EFFECTS:**

Not available.

## DEVELOPMENTAL TOXICITY:

Not available. The substance may affect the developing fetus and the liver. Repeated or prolonged exposure to the substance may affect the liver and other target organs. The substance may affect the developing fetus.

## 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 water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact:

In case of contact, immediately wash skin with water. Cover the irritated skin with a protective barrier. Remove contaminated clothing. A disinfectant may be used. Wash clothing before reuse. Get medical attention.

Serious Skin Contact:

Wash with a disinfectant. Wash contaminated skin with an antiseptic. Get immediate medical attention.

Inhalation:

If inhaled, remove to fresh air. Provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:

Not available.

Ingestion:

Do not induce vomiting unless directed by medical personnel. Never give liquid medicine to an unconscious person. If large quantities are swallowed, call a physician. Remove tight clothing such as a collar, tie, belt, etc.

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.

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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: mechanical impact: Not available. the product in presence of 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. Rinse the spill area 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 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 insufficient ventilation, use suitable respiratory equipment. If ingested, seek medical advice immediately and show this container to the doctor. 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

other engineering controls to keep recommended exposure limits for generate dust, fume or mist, exposure to airborne contaminants at the limit.

## Personal Protection:

Splash goggles. Lab coat. Dust mask. An approved/certified respirator.

## Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. A self contained breathing apparatus. Avoid inhalation of the product. Clothing might not be sufficient. BEFORE handling this product.

## Exposure Limits:

TWA: 5 (mg/m<sup>3</sup>) from OSHA (PEL) [United States] (TLV) [United States] Inhalation TWA: 5 (mg/m<sup>3</sup>) [U [United Kingdom (UK)] Inhalation TWA: 5 (mg/m<sup>3</sup>) [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): 200
Chronic Effects on Humans:	3(Not classifiable for human.) by IARC. MUTAGENICITY: Yeast. May cause damage to the following organs: lungs, liver, kidneys.
Other Toxic Effects on Humans:	Hazardous in case of skin contact or inhalation.
Special Remarks on Toxicity to Animals:	Not available.
Special Remarks on Chronic Effects on Humans:	May affect genetic material cancer based on animal test data.
Special Remarks on other Toxic Effects on Humans:	Acute Potential Health Effects: irritation. Eyes: Causes eye irritation.

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

## 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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