

## 1. Product and Company Identifaction

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

Product Name RXSOL-22-1556-050  
Product Type Sodium Bisulphite

Company Details:

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Vizag, Gandhidham, Fujairah, Muscat, Nairobi

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9821214367  
Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

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| CAS #    | Chemical Name    | Percent |
|----------|------------------|---------|
| 763-90-5 | Sodium Bisulfite | 99.5%   |

Toxicological Data on ingredients: sodium bisulfate : ORAL (LD50) : Acute : 200MG/KG (Rat)

## 3. Hazards Identification

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|                     |  |
|---------------------|--|
| Eye Contact         | Irritant   |
| skin contact        | Irritant   |
| inhalation          | It inhaled remove to fresh air,if not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| Ingestion           | DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person                  |
| Carcinogenic effect | na   |
| MUTAGENIC EFFECTS:  | Mutagenic for bacteria and / or yeast  |

## 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 flush skin with plenty of water.Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean |

|                      |   |
|----------------------|---|
| Serious Skin Contact | shoes before reuse. Get medical attention.  |
| Inhalation           | Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.   |
| Serious Inhalation   | It inhaled remove to fresh air, if not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.   |
| Ingestion            | Not available.  |
| Serious Ingestion:   | DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen light clothing such as a collar, tie belt or waistband. |
|                      | 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.   |
| 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 presence of mechanical impact : Not available. |
|   | Risks of explosion of the product in presence of static discharge: Not available    |
| Fire Fighting Media and Instructions                | Not applicable.   |
| 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. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.  |
| Large Spill | Use a stovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not 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, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes, keep away from incompatibles such as oxidizing agents, 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, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. |
| Personal Protection                           | Splash goggles. Lab coat, Dust respirator. Be sure to use an approved / certified respirator or equivalent Gloves.  |
| Personal Protection in case of a Large Spill" | Splash goggles. Full suit. Dust respirator. Boots Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.                     |
| Exposure Limits                               | TWA 5 (mg/m3) from OSHA (PEL) [united states] Inhalation  |
|   | TWA 5 (mg/m3) from ACGIH (TLV) [united states] Inhalation   |
|   | TWA 5 (mg/m3) from [united states] Inhalation   |
|   | TWA 5 (mg/m3) from [United Kingdom(UK)] Inhalation  |
|   | TWA 5 (mg/m3) from [Canada] inhalation Consult local authorities for acceptable exposure limits.  |

## 9. Physical and chemical properties

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|                               |  |
|-------------------------------|--|
| Physical state and appearance | Solid.                                 |
| Odor                          | Sulfurous. (Slight.)                   |
| Taste                         | Disagreeable.                          |
| Molecular Weight              | 104.07 g/mole                          |
| Color                         | White. Off-white.                      |
| pH (1% soln/water)            | Not available                          |
| Boiling Point                 | Not available.                         |
| Melting Point                 | Decomposes.                            |
| 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.               |
| Solubility                    | Easily soluble in hot water.           |
|                               | Soluble in cold water.                 |
|                               | Soluble in 3.5 parts cold water.       |
|                               | Soluble in 2 parts boiling water.      |
|                               | Soluble in 70 parts alcohol            |
|                               | Insoluble in liquid chloride, ammonia. |

## 10. Stability and reactivity

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|   |  |
|---|--|
| Stability                               | The product is stable.                 |
| Instability Temperature                 | Not available.                         |
| Conditions of Instability               | Incompatible materials                 |
| Incompatibility with various substances | Reactive with oxidizing agents, acids. |

Corrosivity  
Special Remarks on Reactivity  
Special Remarks on Corrosivity  
Polymerization

Non - corrosive in presence of glass.  
Slowly oxidized to sulfate on exposure to air.  
Not available.  
Will not occur.

## 11. Toxicological information

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Routes of Entry  
Toxicity to Animals  
Chronic Effects on Humans

Inhalation, Ingestion.  
Acute oral toxicity (LD50): 2000 mg/kg [Rat].  
CARCINOGENIC EFFECTS :3 (Not classifiable for human.) by IARC.

Other Toxic Effects on Humans  
Special Remarks on Toxicity to Animals  
Special Remarks on Chronic Effects on Humans

MUTAGENIC EFFECTS :Mutagenic for bacteria and/or yeast. May cause damage to the following organs: lungs, skin.  
Hazardous in case of skin contact (irritant), of ingestion, of inhalation.  
Not available  
May affect genetic material (mutagenic).

May cause cancer based on animal test data. No human data found.