

1. Product and Company Identification

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Product Name RXSOL-22-1556-050

Product Type Sodium Bisulphite

Company Details:

RX MARINE INTERNATIONAL
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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 emallent. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean

Serious Skin Contact

Inhalation

Serious Inhalation

Ingestion

Serious Ingestion:

shoes before reuse. Get medical attention.

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

If inhaled, remove to fresh air; if not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Not available.

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

Auto-Ignition Temperature

Flash Points

Products of Combustion

Fire Hazards in Presence of Various Substances

Explosion Hazards in Presence of Various Substances

Non-flammable

Not applicable.

Not applicable.

Not available.

Not applicable.

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

Special Remarks on Explosion Hazards:

Not applicable.

Not available.

6. Accidental Release Measures

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Small Spill

Large 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.

Use a shovel 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

Storage

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.

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	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 [Rat].
Chronic Effects on Humans	CARCINOGENIC EFFECTS :3 (Not classifiable for human.) by IARC.
	MUTAGENIC EFFECTS :Mutagenic for bacteria and/or yeast. May cause damage to the following organs: lungs, skin.
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Not available
Special Remarks on Chronic Effects on Humans	May affect genetic material (mutagenic).
	May cause cancer based on animal test data. No human data found.