Material Safety Data Sheet

Sodium Bisulphite Powder (RXSOL-22-1556-050)

1. Product and Company Identifaction

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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2. Composition / informationon ingredients

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

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

3. Hazards Identification

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 yearst

4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at teast 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 contamineted clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medial attention.
Inhalation	It inhaled remove to fresh air,if not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Serious Inhalation	Not available.
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.
Serious Ingestion:	Not available.

5. Fire-fighting Measures

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

Small Spill	Use appropriate tools to put the spilled solid in a covenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of accroding 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

Precautions	Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory eqipment. 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

Engineering Controls	Use process enclosures,local exhaust ventilation, or other engineering controls to keep airbome 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 / certifiled 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

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 soluable 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

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

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.