Material Safety Data Sheet

Ammonium Bisulfate (RXSOL-10-6919-050)

1. Product and Company Identifaction

Product Name	Ammonium Bisulfate
Product Type	RXSOL-10-6919-050

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

Stock Point : Mumbai, Kolkata, Chennai, Gandhidham, Visakhapatnam, Fujairah, Muscat

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
Fax	+91 22 2781 1318 :::AOH :0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Name	Product identifier	% (w/w)	Classification (GHS-US)
Ammonium bisulfite	(CAS No) 10192-30-0	45 - 70	Skin Corr. 1C, H314 Eye Dam. 1, H318
Water	(CAS No) 7732-18-5	30 - 55	Not classified

3. Hazards Identification

Eye	Causes serious eye damage
Skin	Causes severe skin burns and eye damage.Skin corrosion
Ingestion	Remove person to fresh air and keep comfortable for breathing
Inhalation	Remove person to fresh air and keep comfortable for breathing.
Chronic	Specific treatment

4. First Aid Measures

Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Ingestion	Immediately call a POISON CENTER/doctor.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.Get medical aid.

5. Fire-fighting Measures

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Nitrogen oxides (NOx), Sulphur oxides
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary
Further information	Not available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Handling	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage, including any incompatibilities	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Storage class (TRGS 510): Non-combustible, corrosive hazardous materials
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls and personal protection

Control parameters

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eyes	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)
Skin	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Clothing	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respirators	Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If th full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. Physical and chemical properties

Physical State :	Liquid
Appearance :	Clear, colorless to pale yellow liquid
Odor :	Not available
Odor Threshold :	Not available
pH :	4 - 5.5
Relative Evaporation Rate (butylacetate=1)	Not available
Melting Point :	Not available
Freezing Point :	Not available
Boiling Point :	Not available
Flash Point :	Not available
Auto-ignition Temperature :	Not available
Decomposition Temperature :	Not available
Flammability (solid, gas) :	Not available
Lower Flammable Limit :	Not available
Upper Flammable Limit :	Not available
Vapor Pressure :	Not available
Relative Vapor Density at 20 °C :	Not available
Relative Density :	Not available
Specific Gravity :	Not available
Solubility :	Soluble in water.
Log Pow :	Not available
Log Kow :	Not available
Viscosity, Kinematic :	Not available
Viscosity, Dynamic :	Not available
Explosion Data – Sensitivity to Mechanical Impact :	Not available

10. Stability and reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable at standard temperature and pressure.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Sources of ignition. Incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Hazardous Decomposition Products: Nitrogen oxides. Sulfur oxides. Ammonia.

11. Toxicological information

Information on Toxicological Effects - Product LD50 and LC50 Data Not available

Skin Corrosion/Irritation: Not classified

pH: 4 - 5.5

Serious Eye Damage/Irritation: Causes serious eye irritation.

pH: 4 - 5.5

Respiratory or Skin Sensitization: Not classified Germ

Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Respiratory tract irritation.

Symptoms/Injuries After Skin Contact	May cause severe irritation. May cause burns
Symptoms/Injuries After Eye Contact:	Prolonged exposure may cause eye damage.
Symptoms/Injuries After Ingestion	Gastrointestinal irritation. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

12. Ecological information

Toxicity	Not classified
Mobility in soil	Data are not available.
Persistence and Degradability	Ammonium Bisulphite (NH4HSO3) - Not established.
Bioaccumulative potential	Ammonium Bisulphite (NH4HSO3 Bioaccumulative Potential) Not established.
Other adverse effects	Avoid release to the environment.

13. Disposal considerations

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations

14. Transport information

Proper Shipping Name:	AMMONIUM HYDROGEN SULPHATE		
UN NO.	2693		
Hazard Class	8	PackingGroup	II
Proper Shipping Name	AMMONIUM HYDROGEN SULPHATE		
ADR UN No.	2693		
ADRHazardClass	8		II
Proper Shipping Name	AMMONIUM HYDROGEN SULPHATE		
IMDG UN No.	2693		
IMDG Hazard Class	8	IMDG PackGroup.:	-
IMDG EmS		IMDG subrisk	-
IMDG Labels	8	IMDG Flashpoint:	N/A
ProperShippingName	AMMONIUM HYDROGEN SULPHATE		
ICAO UnNo	2693		
ICAO HazardClass.	8	ICAO PackingGroup	-
ICAO subrisk	-	ICAO Labels	
ICAO Flashpoint	N/A		
DOTProperShippingName	AMMONIUM HYDROGEN SULPHATE		
HazardousMaterial	AMMONIUM HYDROGEN SULPHATE		
HazardClass	8	Identification Number	
Product RQ (lbs):	N/E	DOT subrisk	-
DOT Labels	8	DOT Flashpoint	N/A

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Chemical safety assessment	For this product a chemical safety assessment was not carried out

16. Other information

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents.The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other.

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