Material Safety Data Sheet

Ammonium Thiocyanate (RXSOL-94-1526-025)

1. Product and Company Identifaction

Product Name	Ammonium Thiocyanate
Part Number	RXSOL-60-6132-500

Company Details:
RX MARINE INTERNATIONAL
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VASHI ,NEW BOMBAY 400703 INDIA

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2. Composition / informationon ingredients

Product Name	CAS-No.	Classification	Concentration
Ammonium thiocyanate	1762-95-4	Acute Tox. 4; Aquatic Chronic	= 100 %

3. Hazards Identification

Classification according to Regulation (EC) No 1272/2008	Acute toxicity, Inhalation (Category 4), H332 Acute toxicity, Dermal (Category 4), H312 Acute toxicity, Oral (Category 4), H302 Chronic aquatic toxicity (Category 3), H412 For the full text of the H-Statements mentioned in this Section, see Section 16.
Hazard statement(s)	H302 + H312 + H332Harmful if swallowed, in contact with skin or if inhaled H412Harmful to aquatic life with long lasting effects.
Precautionary statement(s)	P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing.
Supplemental Hazard information (EU)	EUH032 Contact with acids liberates very toxic gas.
Other hazards	None

4. First Aid Measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin contact	Wash off with soap and plenty of water. Consult a physician.
Eye contact	Flush eyes with water as a precaution.
Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No Data Available

5. Fire-fighting Measures

Extinguishing media	Suitable extinguishing media Dry powder
Special hazards arising from the substance or mixture	Carbon oxides, nitrogen oxides (NOx), Sulphur oxides.
Advice for firefighters	Wear self contained breathing apparatus for fire fighting if necessary.
Further information	No Data Available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Precautions for safe handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Do not store near acids.
Specific end use(s)	A part from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls and personal protection

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment	Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection	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.
Body Protection	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.
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.



Gloves



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9. Physical and chemical properties

Appearance	Solid
Odour	Odourless
Odor Threshold	No Data Available
pH	4,0 - 5,5 at 76,1 g/l at 25 °C
Melting Point/Range	152 - 154 °C Point
Initial boiling point and boiling range	No Data Available
Flash point	Not Applicable
Evapouration rate	No Data Available
Flammability (solid, gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	0,000114 hPa at 20 °C
Vapour density	No data available
Relative density	1,300 g/cm3
Water solubility	ca.76,1 g/l at 20 °C
Partition coefficient	n- log Pow: -2,287 - The preceding data, or interpretation of data, was octanol/water determined using Quantitative Structure Activity Relationship (QSAR) modeling.
Auto-ignition	No Data Available
Decomposition	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidizing properties	No Data Available
Other safety information	No Data Available

10. Stability and reactivity

Recativity	No Data Available
Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No Data Available
Incompatible materials	Strong oxidizing agents, Strong acids, Forms shock-sensitive mixtures with certain other materials., Lead nitrate
Condition to Avoid	Avoid moisture. Exposure to air may affect product quality.

Hazardous decomposition products	In the event of fire: see section 5.

11. Toxicological information

Acute toxicity	LD50 Oral - rat - 750 mg/kg
Skin corrosion/irritation	No Data Available
Serious eye damage/eye irritation	No Data Available
Respiratory or skin sensitisation	No Data Available
Germ cell mutagenicity	No Data Available
Carcinogenicity IARC	No component of this product present at levels g