Material Safety Data Sheet

AMMONIUM MOLYBATE TETRAHYDRATE AR GRADE (RXSOL-60-6013-001)

1. Product and Company Identifaction

Product Name **AMMONIUM MOLYBATE TETRAHYDRATE AR GRADE**

Product Type **RXSOL-60-6013-001**

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

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2. Composition / informationon ingredients

Synonyms	Molybdic acidammonium salttetrahydrate Ammonium heptamolybdatetetrahydrate
Formula	H24Mo7N6O24 · 4H2O
Molecular Weight	1.23 g/mol
CAS-No.	12054-85-2
EC-No.	234-320-9

3. Hazards Identification

Classification of the substance or mixture:
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

Other hazards:
none

4. First Aid Measures

Description of first aid measures:

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact:	Wash off with soap and plenty of water. Consult a physician.In case of eye contact Flush eyes with water as a precaution.
If 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 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	nitrogen oxides (NOx), Molybdenum 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:
Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
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. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions for safe handling:
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.

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:	Components with workplace 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.
Personal protective equipment:	Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards.
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.
Full contact:	Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min
Body Protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection:	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. 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.

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance Form:	Crystalline
Colour:	White
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available

Flash point	No data available
Evapouration rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	2.498 g/cm3 at 25 °C
Water solubility	4,3 g/l at 20 °C
Partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	190 °C
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10. Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents, Strong acids

11. Toxicological information

Hazardous decomposition products:
Other decomposition products - No data available

Acute toxicity:
LD50 Oral - rat - > 2.000 mg/kg
(Read-across (Analogy))
LC50 Inhalation - rat - 4 h - 5 mg/l
(Read-across (Analogy))
LD50 Dermal - rabbit - > 2.000 mg/kg
(Read-across (Analogy))

Skin corrosion/irritation:
Skin - rabbit
Result: No skin irritation
(OECD Test Guideline 404)
Serious eye damage/eye irritation
Eyes - rabbit

Result: Mild eye irritation
(OECD Test Guideline 405)

Respiratory or skin sensitisation:
No data available

Germ cell mutagenicity:
Result: Not mutagenic in Ames Test.

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity:
No data available

Specific target organ toxicity - single exposure:
No data available

Specific target organ toxicity - repeated exposure:
No data available

Aspiration hazard:
No data available

Additional Information:
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

Toxicity	Toxicity to fish LC0 - Oncorhynchus mykiss (rainbow trout) - 320 mg/l - 96 h .LC50 - Oncorhynchus mykiss (rainbow trout) - 420 mg/l - 96 h.Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - 41 mg/l - 72 h.
Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	Harmful to aquatic life. No data available

13. Disposal considerations

Dissolve or mix the material with a combustible liquid and burn in a chemical incinerator equipped with an afterburner and scrubber. Contaminated packaging Dispose of as unused product. For dispose mater kindly refer to local rule and regulation.

14. Transport information

UN number	ADR/RID: Not dangerous goods
Proper shipping name	AMMONIUM MOLYBATE TETRAHYDRATE
Transport hazard class(es)	Not classified as hazardous for Transport
Packaging group	NA
Marine pollutant	No
Special precautions for user	No data available

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations/legislation specific for the substance or mixture:
No data available

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 application(s) without seeking advice from manufacturer.