

1. Product and Company Identification

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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

Phone +91 22 65113333/ 5555 / 9999 / 27611360 / 27815540

Fax +91 22 2781 1318 ::AOH :0091 9322594669

Email mail@rxmarine.com

2. Composition / Information on ingredients

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Synonyms	Molybdic acidammonium salttetrahydrate Ammonium heptamolybdatetetrahydrate
Formula	$H_{24}Mo_7N_6O_{24} \cdot 4H_2O$
Molecular Weight	1.23 g/mol
CAS-No.	12054-85-2
EC-No.	234-320-9

3. Hazards Identification

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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

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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

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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 (NO _x), Molybdenum oxides
Advice for firefighters:	Wear self contained breathing apparatus for fire fighting if necessary.
Further information:	no data available

6. Accidental Release Measures

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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

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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

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Control parameters:

Exposure controls:

Personal protective equipment:

Skin protection:

Full contact:

Components with workplace c

Appropriate engineering cont
with good industrial hygiene
hands before breaks and at the
Eye/face protection: Use equ
tested and approved under
standards.

Handle with gloves. Gloves n
use. Use proper glove ren
(touching glove's outer surface)
this product. Dispose of conta
accordance with applicable
practices. Wash and dry hands.

Material: Nitrile rubber

Minimum layer thickness: 0,11

Break through time: 480 min

Body Protection:

Choose body protection in r
concentration and amount of
to the specific work-place.,
equipment must be sele
concentration and amount of
the specific workplace.

Respiratory protection:

Respiratory protection is not r
from nuisance levels of dusts
(US) or type P1 (EN 143) d
and components tested and a
government standards such a
(EU).Control of environmental
leakage or spillage if safe to
enter drains. Discharge into
avoided.

9. Physical and chemical properties

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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/cm ³ 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

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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

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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

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Toxicity

Toxicity to fish LC0 - Or
trout) - 320 mg/l - 96 h .I
(rainbow trout) - 420 mg/l -
Desmodesmus subspicatus (g

Persistence and degradability

The methods for determin
applicable to inorganic subst

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not

Other adverse effects

assessment not required/not c

Harmful to aquatic life.

No data available

13. Disposal considerations

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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

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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

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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

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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.

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