



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 12717
Product Name : AMMONIUM MOLYBDATE L.R.

Manufacturer/supplier identification

Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Ammonium Molybdate, Hexaammonium Heptamolybdate 4-hydrate
CAS-No : 12054-85-2
Ec-Index No. :
Molar Mass :
EC-No. : 234-722-4
Molecular Formula : $H_{24}Mo_7N_6O_{24} \cdot 4H_2O$

3. HAZARDS INDEX

According to the evaluative data available, a classification according to categories of danger as specified in Directive 67/548/EEC and laid down in the legislation of the country concerned is not required.

4. FIRST AID MEASURES

After skin contact : Wash off with water.
After eye contact : Rinse out with water.
After inhalation : Fresh air



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After swallowing : Make victim, drink plenty of water, induce vomiting.
Summon doctor if feeling unwell.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In adaption to materials stored in the
immediate neighbourhood.

Special risks : Non-combustible.

Other information : Prevent fire-fighting water from entering surface
water or groundwater.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning/absorption : Take up dry. Forward for disposal.
Clean up affected area.

7. HANDLING AND STORAGE

Handling - No further requirements.

Storage - Store tightly closed & dry at room temperature (+15° C to 25°C)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Specific control parameter: MAK (max.workplace conc.) Molybdenum,
soluble compounds (as Mo) : 5 mg/m³

Respiratory protection : required when dusts are generated.

Eye Protection : Required

Hand Protection : Required

Industrial hygiene : Change contaminated clothing. Wash hands after
working with substance.



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12. PHYSICAL AND CHEMICAL PROPERTIES

Form	: solid
Colour	: off-white
Odour	: of ammonia
pH value at 50 g/l H ₂ O (20° C)	: Near 5.3
Melting temperature	: 90° C (release of crystalline water)
Boiling temperature	: Not available
Ignition temperature	: Not available
Flash Point	: Not available
Explosion limit lower	: Not available
upper	: Not available
Relative vapour density	: 2.5
Density (20° C)	: 2.27 gm/cm ³ 2.498 gm/cm ³
Bulk density	: near 800 Kg/m ³
Solubility in Water (20° C)	: 400 gm/lt.
Water (25° C)	: 635 gm/lt.
Acids	: Soluble
Bases	: Soluble
Ethanol	: Insoluble
Thermal decomposition	: >150° C

10. STABILITY AND REACTIVITY

Substances to be avoided : No information available
Conditions to be avoided : No information available
Hazardous decomposition products : ammonia



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11. TOXICOLOGICAL INFORMATION

Subacute to chronic toxicity : Bacterial mutagenicity :
Escherichin coli : Negative

Further toxicological information :

Skin irritation test (rabbit) : No irritation
Eye irritation test (rabbit) : Slight irritation
Quantitative data on the toxicity of this product are not available.

Symptoms of an acute molybdenum(VI) intoxication : diarrhoea, anemia (decreased haemoglobin concentration in the blood), fatigue. Toxic effect on liver & kidneys after high doses. The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

The following applies to molybdenum compounds in general: Biological effects : Fish lethal from 25mg/lit. up; algae : Sc.quadricauda toxic from 54 mg/lit. up; protozoa: Microregma toxic from 27 mg/lit.up.

13. DISPOSAL METHOD

There are no uniform EC regulations for the disposal of chemicals or residues.

Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.



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14. TRANSPORT INFORMATION : Not subject to transport regulations

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : ---

R-phrases : ---

S-phrases : ---

Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge.

It characterises the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.
