



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : S 13417
Product Name : SODIUM 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 Tele fax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No : 10102-40-6 Ec-Index No. :
Molar Mass : 241-95 EC-No. : 231-551-7
Molecular Formula : $\text{MoNa}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$

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

4. FIRST AID MEASURES : After skin contact : Wash off with plenty of water. Remove contaminated clothing.
After eye contact : Rinse out with plenty of water. If pain persists, summon eye specialist.
After inhalation : Fresh air. Summon doctor.
After swallowing : Make victim drink plenty of water, induce vomiting, summon doctor.

5. FIRE-FIGHTING MEASURES : Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.
Special risks : Non-combustible

6. ACCIDENTAL RELEASE MEASURES: Take up dry. Forward for disposal. Clean up affected area.

7. HANDLING AND STORAGE : Handling - No further requirement.
Storage - Store tightly closed and dry.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.
Eye Protection : Required
Hand Protection : Required
Industrial hygiene : Immediately change contaminated clothing.
Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid
Colour : White
Odour : Odourless



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pH value at 50 g/l H₂O (20° C) : 7.9 - 10.3
Melting temperature : Not available
Boiling temperature : Not available
Ignition temperature : Not available
Flash Point : Not applicable
Explosion limit lower : Not available
 upper : Not available
Relative vapour density : Not available
Density (20° C) : 3.6 g/cm³
Bulk density : Near 1000 Kg/m³
Solubility in Water (0° C) : 560 gm/lt.
 Water (100° C) : 1150 gm/lt.

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available

Substances to be avoided : No information available

Hazardous decomposition products : No information available

11. TOXICOLOGICAL INFORMATIONS

After inhalation: Irritations of the mucous membranes, coughing and dysnoea.
After swallowing of : nausea, vomiting diarrhoea, dippressed respiration and drop in blood pressure. Symptoms of an acute molybdenum (VI) intoxication : diarrhoea, anaemia (decreased haemoglobin concentration in the blood). fatigue.
Toxic effect on liver and kedneys after high doses.
LD₅₀ (s.c, mouse) : LDLo (i.p, rap):245 mg/kg

12. ECOLOGICAL INFORMATION : The following applies to molybdenum compounds in general : biological effects :

fish : lethal from 25 mg/l up : algae : Sc. quadricauda toxic from 54 mg/l up :
protozoa : Microregma toxic from 27 mg/l up.

13. DISPOSAL METHOD : 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 house-hold waste or recycled. There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.

14. TRANSPORT INFORMATION : Not subject to transport regulations.

15. REGULATORY INFORMATION :

Labeling according to EC Directives

Symbol : -----

R-phrases : -----



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S-phrases : -----

Water pollution class : 1 (slightly polluting substance)

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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.