



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : M 12517
Product Name : MOLYBDIC ACID

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 : 7782-91-4 EC No. : 231-976-5
Molar Mass : 143.94 EC Index No. : ----
Molecular Formula : HmoO_4

3. HAZARDS IDENTIFICATION : Irritating to eyes and respiratory system. Harmful : danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

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 if necessary.
- 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 : None

Other information : Non-combustible.



SAFETY DATA SHEET

Catalogue No. : M 12517
Product Name : MOLYBDIC ACID

6. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures :

Avoid generation of dusts; do not inhale dusts.

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

Clean up affected area.

Environmental-protection measures : Do not allow to enter sewerage system.

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry.

Storage temperature : No restrictions.

8. EXPOSURE CONTROLS/ Respiratory protection : Required when dusts are generated.

PERSONAL PROTECTION : Eye protection : Required

Hand protection : Required

Industrial hygiene : Change contaminated clothing.

Wash hands and face after working with substance.

9. PHYSICAL & CHEMICAL PROPERTIES

Form : Solid
Colour : Off-white
Odour : Odourless
pH value at 70gm/lt.H₂O(20° C) : ~ 4
Melting temperature : 300° C
Boiling temperature : Not available
Ignition temperature : Not available
Flash Point : Not available
Explosion limit lower : Not available



SAFETY DATA SHEET

Catalogue No. : M 12517
Product Name : MOLYBDIC ACID

upper : Not available
Relative vapour density : Not available
Density : Not available
Bulk Density : ~ 980 kg/m³
Solubility in Water (20° C) : ~ 70 gm/lt.

10. STABILITY & REACTIVITY : Conditions to be avoided : Strong heating

Substances to be avoided : Alkalis

Hazardous decomposition products : No information available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD₅₀ (oral, rat) : 2689 mg/kg;

LD₅₀ (dermal, rat) : 2000 mg/kg;(Molybdenum (VI) Oxide)

LD₅₀ (inhalation, rat) : >5840 mg/m³ /4h; (Molybdenum (VI) Oxide)

Subacute to chronic toxicity: NTP evaluation for carcinogenicity : negative in man.

Further toxicological information :

After inhalation of dust : Irritation symptoms in the respiratory tract.

After skin contact : Irritant and caustic effects.

After eye contact : Irritant and caustic effects.

After swallowing : Irritation of mucous membranes in the mouth, pharynx,
oesophagus and gastrointestinal tract.

Symptoms of an acute molybdenum (VI) intoxication ; diarrhoea, anaemia (decreased haemoglobin concentration in the blood), fatigue. Toxic effect on liver and kidneys after high doses.

Further data :

The product should be handled with the care usual when dealing with chemicals.



SAFETY DATA SHEET

Catalogue No. : M 12517
Product Name : MOLYBDIC ACID

12. ECOLOGICAL INFORMATION

Ecotoxic effects :

Quantitative data on the ecological effect of this product are not available.

Further ecologic data : The following applies to molybdenum compounds in general: biological effects: fish: lethal from 25mg/lit. up; Sc.quadricauda toxic from

54 mg/lit. up; protozoa : Microregma toxic from 27 mg/lit. up.

Do not allow to enter waters, waste water, or soil !

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 special waste. Approved waste as disposal companies which will advise you on how to dispose of special waste.

14. TRANSPORT INFORMATION

GGVS/GGVE class : 6.1 Number and letter : 65c

Transport over land ADR/RID class : 6.1 Number and letter : 65c

ADR/RID & GGVS/GGVE Name of material : MOLYBDIC ACID

Sea Transport IMDG : IMDG class : 6.1 UN No. : 3288 Packing group : III

Ems : 6.1-04 MFAG : 4.2

Correct Technical Name : MOLYBDENUM (VI) OXIDE

Air Transport ICAO-TI ICAO/IATA class : 6.1 UN No. : 3288

and IATA-DGR : Packaging group : III

Correct Technical Name : MOLYBDENUM (VI) OXIDE



SAFETY DATA SHEET

Catalogue No. : M 12517
Product Name : MOLYBDIC ACID

15. REGULATORY INFORMATION

Labeling according to EC Directives

Symbol : Xn Harmful
R-phrases : 36/37-48/20/22 Irritating to eyes and respiratory system. Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
S-phrases : 22-25 Do not breathe dust. Avoid contact with eyes.
Water pollution class : 2 (polluting substance)

16. OTHER INFORMATION

Reason for alteration :

Change in labeling.
Change/addition in the chapter on toxicology.
Change in transport classification.

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.
