

EMS CATALOG NO: 19400  
EMS PRODUCT: Phosphomolybdic Acid  
DATE: 06/15/2006  
PAGE NUMBER: One of 4

*MATERIAL SAFETY DATA SHEET*

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

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***ELECTRON MICROSCOPY SCIENCES***

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FOR PRODUCT AND SALES INFORMATION

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CONTACT ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

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PRODUCT IDENTIFICATION

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PRODUCT NAME: **Phosphomolybdic Acid**, Reagent

SYNONYM: dodeca-Molybdophosphoric acid AnalaR

CAS NUMBER: 51429-74-4

CHEMICAL CHARACTERIZATION: Acid

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## HAZARDS IDENTIFICATION

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Causes burns.

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## FIRST AID MEASURES

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### EYE CONTACT:

Irrigate thoroughly with water for at least 10 minutes. If discomfort persists obtain medical attention.

### INHALATION:

Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

**SKIN CONTACT:** Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, **OBTAIN MEDICAL ATTENTION.**

**INGESTION:** Wash out mouth thoroughly with water and give plenty of water to drink. **OBTAIN MEDICAL ATTENTION.**

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## FIRE FIGHTING MEASURES

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**SPECIAL RISKS:** May evolve toxic fumes in fire.

**SUITABLE EXTINGUISHING MEDIA:** Not applicable.

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## ACCIDENTAL RELEASE MEASURES

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Wear appropriate protective clothing.

Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

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## HANDLING AND STORAGE:

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**HANDLING:**

**STORAGE:** Store in a cool place (below 15°C). Keep well closed and protected from

direct sunlight and moisture.

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#### EXPOSURE CONTROLS/PERSONAL PROTECTION

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As appropriate to quantity handled.

RESPIRATOR: Dust respirator.

VENTILATION: Extraction Hood.

GLOVES: Rubber or plastic

EYE PROTECTION: Goggles or face-shield

OTHER PRECAUTIONS: Plastic apron, sleeves, boots - if handling large quantities.

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#### PHYSICAL AND CHEMICAL PROPERTIES

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FORM: Solid

COLOR: Yellow

ODOR: Odorless

MELTING TEMPERATURE: 78-90°C

BOILING TEMPERATURE: Not available

DENSITY (g/ml): Not available

SOLUBILITY IN WATER: Very Soluble

FLASH POINT: Not applicable

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#### STABILITY AND REACTIVITY

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Hygroscopic.

No data

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#### TOXICOLOGICAL INFORMATION

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AFTER SKIN CONTACT: Burns.

AFTER EYE CONTACT: Burns.

AFTER INGESTION: Irritation of mucous membranes in the mouth, pharynx, esophagus, and gastrointestinal tract.

FURTHER DATA: No data

No evidence of carcinogenic properties. No evidence of mutagenic

or teratogenic effects.

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#### ECOLOGICAL INFORMATION

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No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

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#### DISPOSAL CONSIDERATIONS

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Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

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#### TRANSPORT INFORMATION

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UN-NO: 3260  
IMDG CLASS: 8  
IMO: 8/3260  
PACKAGING GROUP: III  
IATA: 3260  
PACKAGING GROUP: III

Correct technical name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.  
ADR/RID: 8,16'(c)

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#### REGULATORY INFORMATION

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##### LABELING ACCORDING TO EEC DIRECTIVES

SYMBOL: C            Corrosive  
R-PHRASES: R34    Causes burns.

S-PHRASES: S26-36/37/39-45

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EEC-No: 234-713-5

#### LOCAL REGULATIONS

UK Exposure limits: OES, Long-term, mg/m<sup>3</sup>: 5 - Molybdenum compounds, soluble (as Mo)