

MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: Phosphomolybdic acid

Size: 120ml, 500ml

Chemical name: see Formula

Formula: Molybdic acid.....7.0g  
Sodium tungstate.....1.0g  
Sodium hydroxide, 10%..40.0ml  
Phosphoric acid.....25.0ml  
Distilled water.....35.0ml

Manufacturer: Carolina Biological Supply Company

Address: 2700 York Road

Burlington, NC 27215

For Information on Health Hazards Call:

For Other Information Call: 1-800 334-5551, (In NC, please call 1-800 632-1231)

Date: 6/26/86

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Components (%): molybdic acid 7%, sodium hydroxide 4%, phosphoric acid 25%

TLV (Units): molybdic acid TXDS LD50 (oral rat) 125mg/kg; sodium hydroxide (TLV/TWA) 2mg/cubic meter (air); phosphoric acid TXDS LD50 (oral rat) 1530mg/kg, (TLV/TWA) 1mg/cubic meter

SECTION III PHYSICAL DATA

Boiling Point (F.): no information available

Vapor Pressure (mm Hg.): no information available

Vapor Density (Air=1): no information available

Specific Gravity (H2O=1): no information available

Percent Volatile By Volume (%): no information available

Evaporation Rate ( =1): no information available

Solubility in Water: no information available

Appearance and Odor: clear, colorless liquid with little or no odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): no information available

Extinguisher Media: Any media suitable for extinguishing the supporting fire.

Flammable Limits in Air % by Vol.: no information available

Autoignition Temperature: no information available

Special Fire Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Unusual Fire and Explosion Hazards: Gives off flammable vapors. Vapors may form explosive mixture with air. Closed containers exposed to heat may explode.

## SECTION VI HEALTH HAZARD DATA

Threshold Limit Value: See Section II

Effects of Over exposure: Contact with skin or eyes may cause severe irritation or burns. Inhalation of vapors may cause severe irritation of the respiratory system.

Acute Overexposure: no information available

Chronic Overexposure: no information available

Emergency and First Aid Procedures: Contact a physician in all cases of overexposure.

Inhalation: Remove to fresh air. Give artificial respiration if breathing has stopped. Give oxygen if breathing is difficult.

Eyes: Flush thoroughly with water for at least 15 minutes.

Skin: Wash with soap and water thoroughly.

Ingestion: Do not induce vomiting. Give water, milk, or milk of magnesia. Contact a physician immediately.

## SECTION VI REACTIVITY DATA

Stability:

stable

Conditions to Avoid: heat

Incompatibility (Materials to Avoid): most common metals, strong bases.

Hazardous Decomposition Products: no information available

Hazardous Polymerization:

will not occur

Conditions to Avoid: no information available

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to Be Taken In Case Material is Released or Spilled: Using proper protective equipment, cover the spill with vermiculite or another absorbent. Sprinkle sodium carbonate or another suitable neutralizer and mix until completely neutralized. Scoop the waste into a clean dry container for disposal.

Waste Disposal Method: Dispose in accordance with all federal, state, and local regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): If TLV is exceeded, a self-contained breathing apparatus is recommended. Proper ventilation should be satisfactory in a laboratory setting.

Ventilation:

Local Exhaust: X

Mechanical (general): X

Special:

Other:

Protective Gloves: Polyvinyl alcohol gloves

Eye Protection: Chemical safety goggles; do not wear contact lenses

while working with chemicals.

Other Protective Clothing or Equipment: Lab coat, safety shower, eye wash, and spill cleanup materials

## SECTION IX SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Keep in a tightly closed container. Store in a cool place away from incompatibles.

Other Precautions: no information available

Approved by: Dan Thomas