



CHEM PRO LABORATORY, INC.

CHEMICAL ENGINEERS

MATERIAL SAFETY DATA SHEET

Section I - PRODUCT IDENTIFICATION			
Manufacturer's Name	Chem Pro Laboratory, Inc.	Trade Name	Chem Pro 3142
Address	941 West 190th Street	Common Name	Aqueous Solution: Organophosphonate; Triazole; Synthetic Polymers; Sodium Molybdate; Proprietary Formulation
City, State and zip	Gardena, CA 90248-4398	Reference or Preparer	Michael Bortnik/Keith Johnson
Telephone	(310) 532-8611	Date Prepared	11-20-2001 (Revised)
Section II - HAZARDOUS INGREDIENTS <i>FOR EMERGENCIES CONTACT 1-800-424-9300(CHEMTREC)</i>			
Chemical Names	CAS Numbers	Exposure limits in air:	
		ACGIH (TLV)	OSHA (PEL) Others
Molybdenum (soluble compounds)	7631950	TLV = 5 mg/m ³	
Potassium Hydroxide	1310583	2 mg/m ³ (ceiling limit) LD ₅₀ - 240 mg/kg (rat)	
This product contains no known or suspected carcinogens.			
Section III - PHYSICAL AND CHEMICAL CHARACTERISTICS			
Melting Point, °F	N/A	Specific Gravity	1.08
Boiling Point, °F	212	Solubility in Water	Complete
Vapor Pressure, mm Hg @ 20 °C	Like water	Percent Volatile	Like water
Vapor Density (Air=1)	Like water	Reactivity in Water	N/A
Evaporation Rate (Water=1)	Like water	pH (units)	12.5 - 13.5
Appearance and Odor	Yellow & slight aromatic		
How to detect	See above		
Presence:			
Warning Properties)			
Section IV - FIRE AND EXPLOSION DATA			
Flash Point, °F (Method Used)	None	Auto Ignition Temperature, °F	Non flammable
Flammable Limits -	LEL Lower: not applicable	UEL Upper:	not applicable
Fire Extinguishing Materials:	Water Spray () Foam () Carbon Dioxide () Dry Chemical () Others (N/A)		
Special Fire Fighting Procedures:	Wear full protective clothing and use self contained breathing apparatus.		
Unusual Fire or Explosion Hazards:	N/A		

The data in this material safety data sheet is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, Chem Pro Laboratory, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should have relative technical skills and satisfy himself that he has all current data relevant to his particular product and its applications.

Section V - HEALTH HAZARDS

Health Effects or Risk from Exposure

Acute: N/A

Chronic: N/A

Symptoms of Over-exposure

1. Inhaled: Can cause mild irritation of the mucous membranes to severe pneumonitis depending on severity of exposure.
2. Contact with Eyes: Destructive to eye tissue on contact. Will cause severe burns. May cause blindness.
3. Contact with Skin: May cause severe irritation or burns.
4. Swallowed: Can cause severe burns and complete perforation of mucous membranes of the mouth, throat and stomach. May be fatal if swallowed.

FIRST AID: Emergency Procedures

1. Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes. Washing eyes within one minute is essential to achieve maximum effectiveness. Seek medical attention immediately.
2. Skin Contact: Immediately flush contacted area with large amounts of water. Remove contaminated clothing and wash before reuse.
3. Inhaled: Remove subject to fresh air. Seek medical attention
4. Swallowed: Do not induce vomiting. Give large quantities of water. Give milk or milk of Magnesia. Seek medical attention immediately.

Suspected cancer agent:

This Product's Ingredients Are Not Found In The List:

No () Yes ()Federal OSHA ()NTP ()IARC ()Cal-OSHA ()

Medical Conditions Aggravated By Exposure:

N/A

Section VI - REACTIVITY DATAStability: Stable () Unstable ()

Conditions to Avoid:

NA

Hazardous Decomposition Products:

Thermal decomposition may yield oxides of nitrogen (NOX) and carbon.

Hazardous Polymerization: May Occur () Will Not Occur ()**Section VII - SPILL OR LEAK PROCEDURES**

Spill Response Procedures:

Contain spill. Dilute with large quantity of water and neutralize with dilute acid. Flush to waste with excess water. Wear recommended protective clothing and equipment.

Preparing Wastes For Disposal:

Dispose of in accordance with local, state and federal regulations for liquid and solid wastes.

Section VIII - SPECIAL HANDLING INFORMATION

Respiratory Protection: Not required under normal handling conditions..

Ventilation: Local Exhaust () Mechanical (general) () Special: N/A Other: N/A

Protective Gloves: Impermeable gloves. Eye Protection: Face shield and splash proof goggles.

Other Protective clothing or Equipment: Impermeable boots and coveralls or apron. Emergency eyewash and shower in work area.

Work/Hygenic Practices: Protect containers from extreme temperatures. Do not transfer to aluminum or galvanized containers.

Section IX - LABELING, SPECIAL PRECAUTIONS

DOT: Corrosive UN 1814

HMIS Ratings: Health: 2 Flammability: 0 Reactivity: 0

Special Precaution: Handle with care. Avoid eye and skin contact.