



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 4000/221 PL
Address	941 West 190th Street	Common Name	Polyphosphate Blend
City, State and zip	Gardena, CA 90248-4398	Reference or Preparer	Michael Bortnik/Keith Johnson
Telephone	(310) 532-8611	Date Prepared	7/3/2002 (revised)
Section II - HAZARDOUS INGREDIENTS		FOR EMERGENCIES CONTACT 1-800-424-9300(CHEMTREC)	
Chemical Names	CAS Numbers	Percent	Exposure limits in air: ACGIH (TLV) OSHA (IWA) Others
None as per 29 CFR part 1910.1200			
Section III - PHYSICAL AND CHEMICAL CHARACTERISTICS			
Melting Point, °F	Not applicable	Specific Gravity	1.1
Boiling Point, °F	212° F	Solubility in Water	100%
Vapor Pressure, mm Hg @ 20 °C	Not applicable	Percent Volatile	Not applicable
Vapor Density (Air=1)	Not applicable	Reactivity in Water	Not reactive
Evaporation Rate (Water=1)	0.8	pH (units)	10.5-11
Appearance and Odor	Clear Yellowish Liquid - No Odor		
How to detect Presence: (Warning Properties)	The liquid is alkaline and will indicate high pH.		
Section IV - FIRE AND EXPLOSION DATA			
Flash Point, °F (Method Used)	Not applicable	Auto Ignition Temperature, °F	Not applicable
Flammable Limits - LEL Lower:	Not applicable	UEL Upper:	Not applicable
Fire Extinguishing Materials:	Water Spray (x) Foam (x) Carbon Dioxide (x) Dry Chemical (x) Others ()		
Special Fire Fighting Procedures:	Not applicable		
Unusual Fire or Explosion Hazards:	None.		

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: Possible severe irritation to nose, throat & skin. Chronic: Not determined.

Symptoms of Over-exposure

1. Inhaled: Not normal route of entry. Dried or evaporated liquid can produce irritating dust.

2. Contact With skin or Eyes: Possible severe skin irritation and corneal damage.

3. Absorption Through skin: Can irritate skin, not absorbed.

4. Swallowed: Possible severe irritation.

FIRST AID: Emergency Procedures

1. Eye Contact: Flush with large quantities of water for at least 15 minutes, lifting upper and lower lids occasionally; continue flushing while waiting for medical assistance.

2. Skin Contact: Flush thoroughly with water. Wash with soap/water while removing all contaminated clothing and shoes; Get immediate medical attention.

3. Inhaled: On over-exposure, remove to fresh air; Get medical attention.

4. Swallowed: Do not induce vomiting; dilute by giving milk or water if conscious; Get 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:

Not determined

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

Conditions to Avoid:

Organic and mineral acids and some metals.

Hazardous Decomposition Products:

None

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

Spill Response Procedures:

Collect liquid in a suitable container then neutralize with dilute acid solution.

Preparing Wastes For Disposal:

Dispose in accordance with federal, state and local regulations. After neutralizing, waste should be acceptable for flushing to sanitary sewer.

Section VIII - SPECIAL HANDLING INFORMATION

Respiratory Protection: Not required unless dusting is noted. Then use NIOSH approved respirator for acids.

Ventilation: Local Exhaust () Mechanical (general) () Special: Other:

Protective Gloves: Rubber or impermeable gloves. Eye Protection: Safety goggles.

Other Protective clothing or Equipment: Impermeable apron advised.

Work/Hygenic Practices: Protect from extreme temperatures.

Section IX - LABELING, SPECIAL PRECAUTIONS

DOT: Not Hazardous

HMIS Ratings: Health: 1 Flammability: 0 Reactivity: 0

Special Precaution: N/A