



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 4001/221 PS	
Address	941 West 190th Street	Common Name	Sodium Metaborate-Polyphosphate BI	
City, State and zip	Gardena, CA 90248-4398	Reference or Preparer	Michael Bortnik / Keith A. Johnson	
Telephone	(310) 532-8611	Date Prepared	8/8/2001	
Section II - HAZARDOUS INGREDIENTS <i>FOR EMERGENCIES CONTACT 1-800-424-9300(CHEMTREC)</i>				
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	Not applicable	
Boiling Point, °F	212°F	Solubility in Water	35%	
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)	12	
Appearance and Odor	White Powder			
How to detect Presence: (Warning Properties)	The powder is alkaline and will when dissolved in water, 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: **Can cause eye burns & irritation to nose, throat & skin.** Chronic: **Not determined.**

Symptoms of Over-exposure

1. Inhaled: **Irritating dust.**
2. Contact With skin or Eyes: **Possible skin burns and corneal damage.**
3. Absorption Through skin: **Can burn skin, not absorbed.**
4. Swallowed: **Burning. Damage to mucous membranes.**

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 DATA**

Stability: **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.

Preparing Wastes For Disposal:

Dispose in accordance with federal, state and local regulations.**Section VIII - SPECIAL HANDLING INFORMATION**

Respiratory Protection: **Not required unless dusting is noted. Then use NIOSH approved respiratory 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: **2** Flammability: **0** Reactivity: **1**

Special Precaution: **N/A**