



CHEMICAL ENGINEERS

MATERIAL SAFETY DATA SHEET

Section I - PRODUCT IDENTIFICATION					
Manufacturer's Name	Chem Pro Laboratory, Inc.	Trade Name	Chem Pro 3032		
Address	941 West 190th Street	Common Name	Blend of Phosphonic and Polyacrylic Acids and Aromatic Azole		
City, State and zip	Gardena, CA 90248-4398	Reference or Preparer	Michael Bortnik/Keith AJohnson		
Telephone	(310) 532-8611	Date Prepared	8-14-2003 (revised)		
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 (PEL)	Others
Sulfuric Acid	7664-93-9	6.7%	1 mg/m ₃	1 mg/m ₃	1mg/m ₃ NIOSH
Remaining: None as per 29 CFR Part 1910.1200					
Section III - PHYSICAL AND CHEMICAL CHARACTERISTICS					
Melting Point, °F	30 to 35 °F	Specific Gravity	1.07		
Boiling Point, °F	200 °F	Solubility in Water	Complete		
Vapor Pressure, mm Hg @ 20 °C	10 @ 18 °F	Percent Volatile	Not applicable		
Vapor Density (Air=1)	>1	Reactivity in Water	Not applicable		
Evaporation Rate (Water=1)	<1	pH (units)	<1.0 unit		
Appearance and Odor	Clear colorless and odorless liquid.				
How to detect Presence: (Warning Properties)	N/A				
Section IV - FIRE AND EXPLOSION DATA					
Flash Point, °F (Method Used)	Non flammable	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 (x) Others ()				
Special Fire Fighting Procedures:	H ₂ SO ₄ or SO ₃ can be released at high temperatures. Use respirator approved by NIOSH.				
Unusual Fire or Explosion Hazards:	Reacts with most metals to form hydrogen gas which can form explosive mixture with air.				

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: **Respiratory irritation and inflammation.** Chronic: **Lung damage. Dental erosion. Causes severe burns.****Symptoms of Over-exposure**

1. Inhaled: **Inhalation of mist can be injurious to lungs.**
2. Contact With skin or Eyes: **Skin and eye irritation.**
3. Absorption Through skin: **Skin irritation.**
4. Swallowed: **Burning. LD₅₀ for sulfuric acid in rates 2.14 g/kg.**

FIRST AID: Emergency Procedures

1. Eye Contact: **Flush with large quantities of water for at least 20 minutes, lifting upper and lower lids occasionally. Contact a physician.**
2. Skin Contact: **Flush thoroughly with water; wash with soap/water while removing all contaminated clothing and shoes. Contact a physician.**
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:

N/A

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

Conditions to Avoid:

Temperatures above 150 °F, Base (Alkali), nitrites, carbides, chlorates and metal powders. Contact with organic substances and metals

Hazardous Decomposition Products:

Sulfur trioxide gas (SO₃) at high temperatures.Hazardous Polymerization: **May Occur () Will Not Occur ()****Section VII - SPILL OR LEAK PROCEDURES**

Spill Response Procedures:

Flush with plenty of water and neutralize acid with soda ash, lime or bicarbonate of soda. Note: Neutralization will release CO₂ gas requiring adequate ventilation.

Preparing Wastes For Disposal:

Neutralize acid with alkali and flush to sewer with plenty of water if permitted by local and state regulations.**Section VIII - SPECIAL HANDLING INFORMATION**Respiratory Protection: **The use of respiratory protection depends on vapor concentration above the time-weighted TLV; use NIOSH approved cartridge respirator or gas mask.**Ventilation: **Local Exhaust () Mechanical (general) () Special: Other:**Protective Gloves: **Rubber or impermeable gloves.** Eye Protection: **Safety glasses, chemical goggles and or face shield.**Other Protective clothing or Equipment: **Impermeable aprons are advised. The availability of eye washes and safety showers in work area is recommended.**Work/Hygienic Practices: **N/A****Section IX - LABELING, SPECIAL PRECAUTIONS**DOT: **UN1830**HMIS Ratings: **Health: 2 Flammability: 0 Reactivity: 0**Special Precaution: **Avoid all handling and storage procedures that may result in spills, leaks or punctures. Handle and store in areas with unlimited water supply.**