



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 3801		
Address	941 West 190th Street	Common Name	Sodium Nitrite Blend		
City, State and zip	Gardena, CA 90248-4398	Reference or Preparer	Michael Bortnik/Keith Johnson		
Telephone	(310) 532-8611	Date Prepared	03-08-2004 (reviewed)		
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
Sodium Nitrite	7632-00-0	62.7%	Not applicable	Not applicable	
Section III - PHYSICAL AND CHEMICAL CHARACTERISTICS					
Melting Point, °F	270°C	Specific Gravity	approximately 72 lbs/cubic foot		
Boiling Point, °F	Decomposes @ 300°C	Solubility in Water	40%		
Vapor Pressure, mm Hg @ 20 °C	N/A	Percent Volatile	Not applicable		
Vapor Density (Air=1)	Not applicable	Reactivity in Water	None		
Evaporation Rate (Water=1)	Not applicable	pH (units)	10% Solution approximately 10.5		
Appearance and Odor	None				
How to detect Presence: (Warning Properties)	Produces nitrogen oxides when mixed with strong acids.				
Section IV - FIRE AND EXPLOSION DATA					
Flash Point, °F (Method Used)	Non flammable		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:	Wear self contained breathing apparatus with full face piece approved by NIOSH.				
Unusual Fire or Explosion Hazards:	Evaporated residue produces solids which are toxic and are oxidizers.				

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 relevant 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 cyanosis & lead to coma or death.		Chronic: N/A
Symptoms of Over-exposure			
1. Inhaled:	Dust or mist may irritate respiratory tract.		
2. Contact With skin or Eyes:	May cause local irritation.		
3. Absorption Through skin:	Solid material will not absorb thru skin.		
4. Swallowed:	Will irritate mouth, esophagus & stomach and large doses can lead to coma or death. LD ₅₀ for rat 185 mg/Kg.		
FIRST AID: Emergency Procedures			
1. Eye Contact:	Immediately flush with water for 15 minutes. Get medical attention.		
2. Skin Contact:	Wash with soap and water.		
3. Inhaled:	Remove to fresh air and get medical attention.		
4. Swallowed:	If conscious, give 2 to 4 glasses of water and induce vomiting by touching finger to back of throat. Call physician or 911 or poison control center.		
Suspected cancer agent:		This Product's Ingredients Are Not Found In The List:	
No (<input checked="" type="checkbox"/>)	Yes (<input type="checkbox"/>)	Federal OSHA (<input type="checkbox"/>)	NTP (<input type="checkbox"/>) IARC (<input type="checkbox"/>) Cal-OSHA (<input type="checkbox"/>)
Medical Conditions Aggravated By Exposure:			
None known			
Section VI - REACTIVITY DATA			
Stability:	Stable (<input checked="" type="checkbox"/>)		Unstable (<input type="checkbox"/>)
Conditions to Avoid:			
Temperatures above 320°C. Hazardous reaction can occur with acids, ammonium compounds, reducing agents - particularly cyanides, thiocyanates and thiosulfates, certain combustibles & organics.			
Hazardous Decomposition Products:			
Nitrogen oxides and caustic residue.			
Hazardous Polymerization:	May Occur (<input type="checkbox"/>)		Will Not Occur (<input checked="" type="checkbox"/>)
Section VII - SPILL OR LEAK PROCEDURES			
Spill Response Procedures:			
Sweep up or shovel into clean fiber or steel drum and reuse. If flammable material is present, monitor clean-up with CO ₂ fire extinguisher.			
Preparing Wastes For Disposal:			
Dispose of in accordance to local, state and federal guidelines.			
Section VIII - SPECIAL HANDLING INFORMATION			
Respiratory Protection:	Not required under normal handling.		
Ventilation:	Local Exhaust (<input checked="" type="checkbox"/>)	Mechanical (general) (<input checked="" type="checkbox"/>)	Special: Other:
Protective Gloves:	Rubber or plastic gloves		Eye Protection: Safety goggles
Other Protective clothing or Equipment:	Wear impervious clothing or boots and NIOSH approved respirator for mists, dusts, nitrogen oxide gases.		
Work/Hygenic Practices:	Use due care. Protect containers from extreme temperatures.		
Section IX - LABELING, SPECIAL PRECAUTIONS			
DOT UN 1500			
HMIS Ratings:	Health: 2	Flammability: 0	Reactivity: 1
Special Precaution:	N/A		