



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 3800		
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	2-23-2004 (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	11%	Not applicable	Not applicable	
Other ingredients as per 29 CFR Part 1910.1200					
Section III - PHYSICAL AND CHEMICAL CHARACTERISTICS					
Melting Point, °F	25 to 32	Specific Gravity	1.15		
Boiling Point, °F	220	Solubility in Water	Complete		
Vapor Pressure, mm Hg @ 20 °C		Percent Volatile	79		
Vapor Density (Air=1)	Not applicable	Reactivity in Water	None		
Evaporation Rate (Water=1)	1.0	pH (units)	11.0		
Appearance and Odor	Pink color or colorless, no odor				
How to detect Presence: (Warning Properties)	Pink color or colorless. Reacts with acid to form brown nitrogen oxide gas.				
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:	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 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 cyanosis & lead to coma or death.**Chronic: **It can form carcinogens when combined with secondary amines.****Symptoms of Over-exposure**1. Inhaled: **Evaporated residue may irritate respiratory tract.**2. Contact With skin or Eyes: **May cause local irritation.**3. Absorption Through skin: **Liquid will not absorb thru skin.**4. Swallowed: **Will irritate mouth, esophagus & stomach and large doses can lead to coma or death. LD₅₀ 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 (see section I).**

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 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 () Will Not Occur ()**Section VII - SPILL OR LEAK PROCEDURES**

Spill Response Procedures:

Collect into clean fiber or steel drum and reuse. If flammable material is present, monitor clean-up with CO₂ fire extinguisher.

Preparing Wastes For Disposal:

Dispose of in accordance to local, state, and federal guidelines.**Section VIII - SPECIAL HANDLING INFORMATION**

Respiratory Protection:

Ventilation: **Local Exhaust () Mechanical (general) ()** 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/Hygiene Practices:

Section IX - LABELING, SPECIAL PRECAUTIONS

DOT UN 1500

HMIS Ratings: **Health: 1 Flammability: 0 Reactivity: 1**Special Precaution: **N/A**