



**MATERIAL SAFETY DATA SHEET**

REVISION DATE: 12/20/90

BLUE 11932 - CROSS #1173A -

FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: FLUSH EYES THOROUGHLY WITH WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT: WASH CONTAMINATED AREAS WITH SOAP AND WATER.

INHALED: ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. GET MEDICAL ATTENTION.

SWALLOWED: INDUCE VOMITING AND CALL A DOCTOR.

SUSPECTED CANCER AGENT?

NO: X THIS PRODUCT'S INGREDIENTS ARE NOT FOUND IN THE LISTS BELOW.

YES: FEDERAL OSHA \_\_\_\_\_ NTP \_\_\_\_\_ IARC \_\_\_\_\_ CAL/OSHA \_\_\_\_\_

-----REACTIVITY DATA-----

STABILITY: STABLE: X UNSTABLE \_\_\_\_\_

CONDITIONS TO AVOID: NONE KNOWN

MATERIALS TO AVOID: OXIDIZING MATERIALS

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS):  
EMITS ACRID FUMES ON HEATING

HAZARDOUS POLYMERIZATION: MAY OCCUR \_\_\_\_\_ WILL NOT OCCUR X

CONDITIONS TO AVOID: NONE KNOWN

-----SPILL, LEAK AND DISPOSAL PROCEDURES-----

SPILL RESPONSE PROCEDURES AND EMPLOYEE PROTECTION MEASURES: ELIMINATE ALL SOURCES OF IGNITION. SOAK UP ON PAPER OR OTHER ABSORBANT AND SCOOP INTO CLOSED CONTAINERS. FLUSH AREA WITH PLENTY OF WATER.

DISPOSAL METHODS: REMOVE TO AN APPROVED LANDFILL SITE OR INCINERATOR

NOTE: DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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CRO-8513  
CRO-8514  
CRO-8562-1  
CRO-8562-2

Revision:  
Revision Date:  
Item No. 1887B  
Issue Date: 03/31/99

Manufacturer: Chad Labs Corporation  
128 Research Drive  
Milford, CT 06460 USA  
(203) 877-3891

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Section: I PRODUCT IDENTIFICATION

Trade Name: Ball Pen Black Ink # 3-144B ( Anti-seep Formula ) Color: Black  
Chemical Family: N/A Formula: Proprietary

Section: II HAZARDOUS INGREDIENTS

Exposure Limits in Air

Chemical Name:	CAS No.	ACGIH (TLV)	OSHA (PEL)	Other:
2-phenoxyethanol	122-99-6	N/A		
2-(2-phenoxyethoxy) ethanol	104-68-7	N/A		

Section: III PHYSICAL PROPERTIES

Boiling Point: 425 F Specific Gravity: (Water = 1) 1.150  
Melting Point: N/A Evaporation Rate (But. Acetate = 1) Approx. 0.005  
Vapor Pressure: MM hg @ 20 Deg. C 0.05 Water Solubility: Slight  
Vapor Density: (Air =1) 4 Appearance: Black Viscous Liquid  
Odor: Aromatic  
Observed Data: pH @ 25 C =5.5 - 8.5 Viscosity @ 25 C. = 9,000 - 12,000 CPS

Section: IV FIRE AND EXPLOSION

Flash point: Deg. F 221 Method Used: N/A  
Flammable limits in air: Lower: 2.8% Upper: 13.9%  
Autoignition Temperature, Deg. F.: Unknown  
Fire Extinguishing Material: Water Spray: X Foam: X  
Carbon Dioxide: X Dry Chemical:  
Other: \_\_\_\_\_

Special Fire Fighting Procedures: Fireman should be fitted with self-contained breathing apparatus to avoid inhalation of products of combustion  
Unusual Fire and Explosion: None Known  
Swallowed: N/A

Section: V HEALTH HAZARD INFORMATION

Symptoms of over exposure for each potential route of exposure:  
Inhaled: Little hazard exists at room temperature  
Eye Contact: May cause irritation Skin Contact: Colors the skin and may cause drying  
Absorbed through skin: None expected Swallowed: None expected  
Health effects or risks from exposure: Non-hazardous  
Acute: None known  
Chronic: None known  
First Aid Emergency Procedures:  
Eye Contact: Flush eyes for at least 15 minutes with large amounts of water. Get medical attention if eye pain persists.  
Skin Contact: Remove contaminated clothing and wash affected area with plenty of water and soap.  
Inhaled: Remove victim to an uncontaminated atmosphere and administer oxygen or artificial respiration as needed.

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Swallowed: Call a physician

Suspected Cancer Agent: This products ingredients are not found in the list below:

No  Fed. OSHA    NTP    IARC    CAL/OSHA

Yes

**Section: VI                      REACTIVITY DATA**

Stability:                      Stable:                       Unstable:  
Conditions to Avoid:    N/A                      Materials to Avoid: Strong Oxidizing Agents  
Hazardous Decomposition Products (including combustion products): Carbon monoxide and carbon dioxide oxides of nitrogen.  
Hazardous Polymerization:    May Occur:                      Will Not Occur:   
Conditions to Avoid: N/A

**Section: VII                      SPILL, LEAK AND DISPOSAL PROCEDURES**

Spill Response Procedures and Employee Protection Measures:  
Soak up all spills on paper, sawdust, earth or other suitable absorbents and scoop into closed containers.  
Wash down spill area with plenty of water.  
Disposal method: Remove to an approved landfill site.  
Note: Dispose of all wastes in accordance with federal, state and local regulations.

**Section: VIII                      SPECIAL HANDLING INFORMATION**

Ventilation and engineering controls: Local exhaust as needed to remove fumes if any.  
Respiratory Protection: Necessary only is the ink is heated. Use an approved respirator for organic vapors and fumes.  
Eye Protection: Safety glasses with side shields                      Gloves: Rubber  
Other Clothing and Equipment: Impervious Clothing Where Skin Contact Is Unavoidable  
   Eyewash must be close to work area

Work Practices: Hygienic Practice and No Smoking while handling materials.

Other Handling and Storage Requirements: Do not store outside. Keep container closed when not in use.

**Section: IX                      LABELING**

Labeling: None

**Section: X                      NOTICE**

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End of MSDS