



## MATERIAL SAFETY DATA SHEET

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Revision:  
Revision Date:  
Item No. 13145  
Issue Date: Aug. 25, 1998

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

### Section: I PRODUCT IDENTIFICATION

Trade Name: Ball Pen Black Ink # 13145                      Color: Black  
Chemical Family: N/A    Formula: Proprietary

### Section: II HAZARDOUS INGREDIENTS

Chemical Name:	CAS No.	Exposure Limits in Air			Other:
		ACGIH (TLV)	OSHA (PEL)		
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) 1.1350 - 1.1550
Melting Point: N/A	Evaporation Rate (But. Acetate = 1) Approx. 0.005
Vapor Pressure: MM hg @ 20° C. 0.05	Water Solubility: Slight
Vapor Density: (Air =1) 4	Appearance: Black Viscous Liquid
Odor: Aromatic	Viscosity @ 25° C. : 8,000 ± 1,5000 CPS
Observed Data: pH @ 25° C = 5.5 - 7.5,	

### Section: IV FIRE AND EXPLOSION

Flash point: 221° F	Method Used: N/A
Flammable limits in air: Lower: 2.8%	Upper: 13.9%
Autoignition Temperature, Deg. F.: None	
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



referred herein. The data in this MSDS relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process.

End of MSDS