

**MATERIAL SAFETY DATA SHEET**

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Revision: 1  
Revision Date: 3-20-2009  
Item No. 1071-2A (Experimental)  
Issue Date: March 20, 2009

Manufacturer: **Chad Labs Corporation**  
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Section: I	PRODUCT IDENTIFICATION
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Trade Name: Gel Blue ink # 38145B	Color: Blue
Chemical Family: N/A	Formula: Proprietary

Section: II	HAZARDOUS INGREDIENTS
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## Exposure Limits in Air

Chemical Name:	CAS No.	ACGIH (TLV)	OSHA (PEL)	Other:
Propylene Glycol				
Ethylene Glycol				

Section: III	PHYSICAL PROPERTIES
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Boiling Point: > 212° F	Specific Gravity 25°C: 1.055 ± 0.04
Melting Point: N/A	Evaporation Rate (But. Acetate = 1) Approx. 0.005
Vapor Pressure: MM hg @ 25° C	Water Solubility: Miscible
Vapor Density: (Air =1) > 1	Appearance: Blue Liquid
Odor: Odorless	Surface Tension @ 25° C.: 32 Min
pH @ 25°C: 7.5 ± 1.0	Viscosity @ 25° C. : NA

Section: IV	FIRE AND EXPLOSION
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Flash point: 221° F	Method Used: N/A
Flammable limits in air: Lower: 2.8%	Upper: 13.9%
Auto ignition Temperature, 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
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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.  
Swallowed: Call a physician

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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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