



MATERIAL SAFETY DATA SHEET

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Revision: 1
Revision Date: 3-20-2009
Item No. 1071-1A (Experimental)
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Manufacturer: **Chad Labs Corporation**
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Milford, CT 06460 USA
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Section: I PRODUCT IDENTIFICATION

Trade Name: Gel Black ink # 38144A 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:
Propylene Glycol				
Ethylene Glycol				

Section: III PHYSICAL PROPERTIES

Boiling Point: > 212° F	Specific Gravity 25°C: 1.070 ± 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: Black 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

Flash point: 221° F Method Used: N/A
Flammable limits in air: Lower: 2.8% Upper: 13.9%
Autoignition 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

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
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Stability: Stable: Unstable:
Conditions to Avoid: N/A Materials to Avoid: Strong Oxidizing Agents
Hazardous Decomposition Products (including combustion products): Carbon monooxide 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
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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
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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
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Labeling: None

Section: X	NOTICE
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