

MATERIAL SAFETY DATA SHEET

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Consumer Information Sheet #2745

A.T.CROSS COMPANY
ONE ALBION ROAD
LINCOLN, RHODE ISLAND 02865
Phone: (401) 335-8376

Gel Roller Ball PEN INK
Gel Ink Black ink # 19168A
Chemical Family: NA
Used in: Roller Ball Pen Refills - Black Ink
Prepared: 2/18/03
Revised:

This is a reproduction of the Ink Manufacturers MSDS for bulk ink. An MSDS for the writing instrument is not required. They are exempt as either "articles", 29 CFR 1910.1200(b)(6)(v), or a "consumer product", 29 CFR 1910.1200(b)(6)(ix). ASTM D-4236 Labeling is also not required for these products.

Revision:
Revision Date:
Item No. 1071-1A
Issue Date: April 10, 2002

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

Section: I PRODUCT IDENTIFICATION

Trade Name: Gel Black ink # 19168A 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)	
Propylene Glycol				
Ethylene Glycol				

Section: III PHYSICAL PROPERTIES

Boiling Point: > 212° F Specific Gravity 25°C: 1.0740 - 1.0860
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: 6.0 - 8.0 Viscosity @ 25° C. : 450 - 1,100 CPS

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

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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

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

No X Fed. OSHA NTP IARC CAL/OSHA

Yes_____

Section: VI REACTIVITY DATA

Stability: Stable: X 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: X

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.

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Section: IX	LABELING
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Labeling: None

Section: X	NOTICE
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End of MSDS