



Consumer Information Sheet #1390

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

BALL PEN INK
3-144B Anti-Seep Formula (Black)

Used in: Ball Point Pen Refills - Black Ink
Prepared: 2/12/03
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.

SECTION I GENERAL INFORMATION

MANUFACTURER NAME: Chad Labs Corporation

128 Research Drive
Milford, CT 06460

Telephone: 203-877-3891

Emergency Phone :

Date: 3/31/1999 Prepared by:

SECTION II HAZARDOUS INGREDIENTS (Specify components)

CAS-no.	Substance	conc.	Range %	PEL
122-99-6	*Ethylene Glycol Phenyl Ether		Not given	None Established
104-68-7	*Diethylene Glycol Phenyl Ether		Not given	None Established

* SARA III Sec. 313

SECTION III PHYS/CHEM. CHARACTERISTICS

Appearance: Viscous Black Liquid	Odor: Aromatic
Boiling Point (*F): 425	Specific Gravity (H2O=1): 1.150
Vapor Density (Air = 1): 4	Vapor Pressure (mm of Hg): @ 20 Deg. C 0.05
Solubility in Water: Slight	Evaporation Rate (Butylacetate = 1) 0.005
Pressurized: No	% Volatile: Not measured
pH @ 25 C = 5.5 - 85	Viscosity @ 25 C = 9,000 - 12,000 CPS

SECTION IV FIRE AND EXPLOSION HAZARDS

Flashpoint (*F): > 221 Explosion Limits (Vol%) LEL = 2.8% / UEL = 13.9%

Extinguishing Media: Water Spray, Foam, carbon dioxide

Special Fire Fighting Procedures: Wear self-contained breathing apparatus to avoid inhalation of products of combustion.

Unusual Fire and Explosion Hazards: NA

List of Hazardous Decmp. Products: Carbon monoxide and carbon dioxide, oxides of nitrogen

SECTION V STORAGE HAZARDS

Stability: Unstable [] Stable: [X] Conditions to Avoid: None known

Incompatibility (Material to avoid): Strong oxidizers

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide, oxides of nitrogen

Hazardous Polymerization May Occur []

Will Not Occur [X]

Conditions To Avoid: None known

SECTION VI HEALTH HAZARDS

Signs and Symptoms of Overexposure Inhalation: Little hazard exists at room temperature. Eye: May cause irritation. Skin: Colors the skin and may cause drying. Absorbed through skin: None expected. Ingestion: None expected. Health effects of risks from exposure: Non-hazardous.

Acute Health Hazards: None known

Chronic Health Hazards: None known or determined for the product.

Medical Condition Generally Aggravated: None known or determined for the product.

Chemicals Listed as Carcinogens: None.

Emergency and First Aid Procedures

Routes of Entry	First Aid Procedures	Seek Medical Advice
Inhalation	Remove victim to an uncontaminated atmosphere and administer oxygen or artificial respiration as needed.	
Eyes	Flush eyes for at least 15 minutes with large amounts of water. Get medical attention if eye pain persists.	X
Skin	Remove contaminated clothing and wash affected areas with plenty of water and soap.	
Ingestion	Do not induce vomiting. Call a doctor and contact local poison control center immediately.	X

SECTION VII SPECIAL PRECAUTIONS

Special precautions to be Taken in Handling: Do not store outside. Keep container closed when not in use..

Other Precautions: NA

Steps to be Taken in Case Material is Released or Spilled: Eliminate all sources of ignition. Soak up all spills on paper, sawdust, earth or other suitable absorbents and scoop into closed containers. Flush area with plenty of water.

Waste Disposal Methods: Remove to an approved landfill site. Dispose of all wastes in accordance with federal, state, and local environmental control regulations.

Toxicological Information: No information available.

Ecological Information: No information available

Transportation Information: D.O. T. Shipping Name: Not regulated.

SECTION VIII SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection: Necessary only if the ink is heated. Use an approved respirator for organic vapors and fumes.

Ventilation: Local exhaust as needed to remove fumes if any.

Skin and Eye Protection: Rubber gloves. Impervious clothing where skin contact is unavoidable. Safety glasses with side shields. Eyewash station must be close to work area.

Work/Hygienic Practices: Avoid contamination of food, drink, etc. No smoking when handling chemicals.

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