



Consumer Information Sheet #1393

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

SP PEN INK  
FMI - 601 Blue Marker Ink #1385A  
Used in: Select Tip Pen Refills - Blue Ink  
Chemical Family: Water/Glycol (Solvents)  
Prepared: 2/13/03  
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: Formulabs  
529 West Fourth Ave, PO Box 463070  
Escondido, CA 92046-3070  
Telephone: 619-741-2345  
Emergency Phone : (CHEMTREC 24-Hour) 800-424-9300  
Date: 04/14/1993 Prepared by: A.T. Johnson

SECTION II	HAZARDOUS INGREDIENTS		(Specify components)		
CAS-no.	Substance	conc. Range %	PEL	TLV	
107-21-1	*Ethylene Glycol	10 - 15			100 PPM (ACGIH)
111-46-6	*Diethylene Glycol	10 - 15			None Established

\* SARA III Sec. 313

SECTION III	PHYS/CHEM. CHARACTERISTICS	
Appearance: Viscous Blue Liquid	Odor: Mild	
Boiling Point (*F): 212		Specific Gravity (H2O=1): 1.057
Vapor Density (Air = 1): Heavier than air	Vapor Pressure (MMHG of Water): 17.5	
Solubility in Water: Complete	Evaporation Rate (Butylacetate = 1) > 1	
Pressurized: No	% Volatile: Not measured	

SECTION IV	FIRE AND EXPLOSION HAZARDS	
Flashpoint (*F): NA	Explosion Limits (Vol%)	LEL = NA / UEL = NA
Extinguishing Media: NA (Non-combustible water based)	Auto-ignition Temp. Deg F: NA	
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.		
Unusual Fire and Explosion Hazards:	None Known	
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):	Oxidizing Materials	
Hazardous Decomposition Products:	None known	

Hazardous Polymerization May Occur [ ]

Will Not Occur [ X ]

Conditions To Avoid: None known

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**SECTION VI HEALTH HAZARDS**

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**Signs and Symptoms of Overexposure** Inhalation: Unknown - Considered to be relatively non-toxic. Eye: May cause irritation. Skin: May cause irritation. Absorbed through skin: None expected. Ingestion: None expected.  
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.

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**Emergency and First Aid Procedures**

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Routes of Entry	First Aid Procedures	Seek Medical Advice
Inhalation	NA	
Eyes	Flush eyes for at least 15 minutes with large amounts of water. Get medical attention if eye irritation persists.	X
Skin	Remove contaminated clothing and wash affected areas with plenty of water and soap.	
Ingestion	Induce vomiting. Call a doctor and contact local poison control center immediately.	X

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**SECTION VII SPECIAL PRECAUTIONS**

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**Special precautions to be Taken in Handling:** Store at room temperature. 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, or other suitable absorbents and scoop into closed containers. Flush area with plenty of water.

**Waste Disposal Methods:** Remove to an approved landfill site or incinerator. 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.

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**SECTION VIII SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

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**Respiratory Protection:** Not necessary.

**Ventilation:** Mechanical ventilation acceptable.

**Skin and Eye Protection:** Rubber gloves. Impervious clothing where skin contact is unavoidable. Goggles or 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.

**Note:** All information, recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources. This information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Formulabs, Inc. and A.T. CROSS makes no warranty, express or implied, as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and/or compliance with federal, state, and local laws and regulations.