



**MATERIAL SAFETY DATA SHEET**

DATE PREPARED: 2/11/09

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**SECTION I: IDENTIFICATION AND EMERGENCY INFORMATION**

PRODUCT NAME: PIN SERIES 10 BLACK INK

MSDS: #1881

PHONE NUMBER: 1-888-317-8266

EMERGENCY CONTACT: For Emergency Use Only: CHEMTREC 1-800-424-9300, Int'l 703-527-3887

**SECTION II: COMPOSITION, INFORMATION ON INGREDIENTS**

INGREDIENT (CAS No.)	%RANGE	PEL/TLV	TOXICOLOGICAL DATA
Triethylene Glycol (112-27-6)	40-80	None Est.	
Proprietary Solvent	0-20	None Est.	
Solvent Dyes	5-20	None Est.	

**SECTION III: HEALTH HAZARDS**

Routes of Entry

INHALATION: Yes                      SKIN ABSORPTION: Yes                      INGESTION: Yes                      EYES: Yes

EFFECTS OF ACUTE EXPOSURE:

Skin:            May cause irritation of skin.  
 Eyes:            Contact will cause irritation.  
 Inhalation:    Inhalation of vapors may result in respiratory irritation.  
 Ingestion:     May result in gastric disturbance.

HMIS: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

EFFECTS OF CHRONIC EXPOSURE: None expected based on employee history of exposure.

**SECTION IV: FIRST AID PROCEDURES**

Eye Contact: Flush with water 15 minutes minimum. If irritation persists, get prompt medical attention.  
 Skin Contact: Remove contaminated clothing and wash skin thoroughly with soap and water.  
 Inhalation:    Remove person to fresh air. Aid breathing if necessary and get medical attention.  
 Ingestion:     If swallowed, do not induce vomiting. Get medical attention.

**SECTION V: FIRE DATA & FIRE FIGHTING MEASURES**

FLAMMABLE LIMITS: LEL: Not Applicable                      UEL: Not Applicable  
 FLASH POINT (Tag Closed cup): >230°F  
 EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, or foam.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.  
 HAZARDOUS COMBUSTION PRODUCTS: Carbon and nitrogen oxides  
 NFPA: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

**SECTION VI: ACCIDENTAL RELEASE MEASURES**

Personal Protective Equipment: Organic vapor respirator, if hot vapors are generated. Rubber gloves and goggles to avoid prolonged contact. Wipe up spills with towels or cloths. Remove stains with soapy water.

**SECTION VII: HANDLING AND STORAGE**

Special Handling Procedures and Equipment: None  
 Storage: Store at temperatures below 100°F for maximum shelf life.

**SECTION VIII: EXPOSURE CONTROLS, PERSONAL PROTECTION**

Engineering Controls: Mechanical (General) ventilation is satisfactory  
Personal Protective Equipment: Rubber gloves and goggles to avoid prolonged contact.

**SECTION IX: PHYSICAL DATA**

BOILING POINT: 200-300°C  
VAPOR PRESSURE: <1.0 @ 20°C  
EVAPORATION RATE: <1 (Butyl Acetate = 1)  
VAPOR DENSITY - Unknown  
ODOR: Slight characteristic odor  
COEFF. OF WATER/OIL DISTRIBUTION - none established  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.050 - 1.200  
SOLUBILITY IN WATER: Partial  
pH: N/A  
FREEZING POINT: - 10°C  
COLORS: Black Liquid

**SECTION X: STABILITY AND REACTIVITY DATA**

STABILITY: Stable  
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing or reducing agents.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon and nitrogen oxides.  
HAZARDOUS POLYMERIZATION: Will not occur  
REACTIVITY: None

**SECTION XI: TOXICOLOGICAL INFORMATION**

EXPOSURE LIMIT: None established.  
SKIN AND EYE IRRITANCY: Eye irritant.  
SENSITIZATION, CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY,  
MUTAGENICITY: Not established. None expected based on employee history of exposure.  
SYNERGISTIC MATERIALS. None known

**SECTION XII: ECOLOGICAL INFORMATION**

None available

**SECTION XIII: DISPOSAL CONSIDERATIONS**

Waste disposal should be in accordance with existing Federal, State, and Local environmental control regulations.

**SECTION XIV: TRANSPORTATION INFORMATION**

Not a hazardous material for DOT shipping.

**SECTION XV: REGULATORY INFORMATION**

This product is regulated under the Hazard Communication Standard (29CFR 1910.1200).

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. The information and recommendations contained herein are, to the best of Product Identification Network's knowledge and belief, accurate and reliable as of the date issued. The Product Identification Network makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon.

**SECTION XVI: ADDITIONAL INFORMATION**