



MATERIAL SAFETY DATA SHEET

DATE PREPARED: 10/18/06

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SECTION I: IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: PIN SERIES 20 BLACK INK

MSDS: #2258

PHONE NUMBER: 1-888-317-82668

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)	20-50	None Est.	
Proprietary Solvent	20-60	None Est.	
Solvent Dyes	5-15	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. Prevent from entering soil, waterways, ditches, and sewers.

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 (H₂O=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
REACTIVITY: None
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing or reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon and nitrogen oxides.
HAZARDOUS POLYMERIZATION: Will not occur

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 product contains the following substances subject to the reporting requirements of section 313 of Title III of the Superfund Amendments & Reauthorization Act of 1986 and 40 CFR Part 372

Component	CAS #
Glycol Ethers	Not Available

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