

MSDS <sup>(1)</sup>  
 MATERIAL SAFETY DATA SHEET  
 SUPPLIERS  
 FOR WAREHOUSERS  
 ENDUSERS

P-500 P-700
Black, Red, Blue, Green
QUICKIDENTIFIER <sup>(2)</sup>

(P. INK-119-1)

SECTION I - GENERAL INFORMATION

Manufacturer's Name	PILOT CORPORATION	Telephone No. (Area Code)	03-5487-8181
Address	8-1, Nishigotanda 2-chome, Shinagawa-ku Tokyo, 141 Japan	Telex No. PILOT J 27443	Telefax No. 03-5487-8097
		Date	November 14, 1997
		Prepared by	

SECTION II - HAZARDOUS INGREDIENTS (SPECIFY COMPONENT)

Hazardous Ingredients (Chemical or common name(s)) <sup>(3)</sup>	CAS No.	TLV ppm	weight %	Component
Carbon black	1333-06-4		6.0	INK (Black)
Ethylene Glycol	107-21-1	50	9.0	INK (Black)
Phenol	108-95-2	5	0.1	INK (Black)

SECTION III - PHYS. / CHEM. CHARACTERISTICS (SPECIFY COMPONENT)

Appearance and Odor Writing instrument, no smell.

Boiling Point °C	n. a.	Density (g/cm <sup>3</sup> )	n. a.
Vapor Density (Air=1)	n. a.	Melting Point °C	n. a.
Solubility in Water	n. a.	Evaporation Rate (Butyl Acetate=1)	n. a.
Pressurized	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	% Volatile <sup>(4)</sup>	n. a.
Other Characteristics	None		

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (Method Used) (°C)	n. a.	Explosion Limits (Vol. %)	LEL n. a.	UEL n. a.
Extinguishing Media	Water, Dry Chemical			
Special Fire Fighting Precautions	n. a.	Autoignition Temp. (°C)	n. a.	
List Hazardous Products of Decomposition	n. d.			
Other Advice	None			

IMPORTANT

- Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate as follows: not applicable=n.a.; not determined=n.d.
- Product type and common name (used on Label and List)
- Cited in any National Regulations on the classification, packaging and labelling of dangerous substances, preparations, paints, varnishes, printing inks, adhesives and similar products.
- Part of the mixture which evaporates.

(P500, P700)

SECTION V STORAGE HAZARDS

Stability Unstable  Conditions  
Stable  to Avoid None

Incompatibility  
(Materials to Avoid) n. a.

Hazardous Products  
of Decomposition n. a.

Hazardous May Occur  Conditions  
Polymerization Will Not Occur  to Avoid None

SECTION VI HEALTH HAZARDS

1. Acute <sup>(5)</sup> n. d. 2. Chronic <sup>(6)</sup> n. d.

Signs and Symptoms  
of Overexposure n. d.

Medical Conditions Generally <sup>(6)</sup>

Aggravated by Exposure n. d.

Chemical Listed as Carcinogen None

Emergency and  
First Aid Procedures

Routes of Entry	Emergency Procedures	Seek Medical Advice
Inhalation	n. a.	<input type="checkbox"/>
Eyes	Flush with plenty of water, consult medical.	<input type="checkbox"/>
Skin	Wash with soap and water.	<input type="checkbox"/>
Ingestion	Drink milk and consult medical.	<input type="checkbox"/>

SECTION VII SPECIAL PRECAUTIONS

Special Precautions to be Taken  
in Handling None

Other  
Precautions None

Steps to be Taken in Case

Material is Released or Spilled Flush with water, Soak up with absorbent materials.

Waste Disposal

Methods In Accordance with National, State and Local Regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection

(Specify Type) n. a.

Ventilation Local Exhaust n. a. Mechanical (General) n. a. Other n. a.

Skin and Eye Protection Use rubber or polyethylene gloves and goggles.

Work/Hygienic Practices After handling, wash hands well with soap and water.

- (5) LD<sub>50</sub> shall be noted if known. not applicable=n. a.
- (6) Health hazard by ingestion or inhalation shall be noted if known. not determined=n. d.