

4103

MSDS ⁽¹⁾

MATERIAL SAFETY DATA SHEET
SUPPLIERS
FOR WAREHOUSERS
ENDUSERS

SW-PPF

Black, Red, Blue, Green, Violet, Brown, Orange, Yellow

QUICK IDENTIFIER ⁽²⁾

ISO/TC10/SC9/WG7N92

(P. INK-H3-4)

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	Prepared by

SECTION II · HAZARDOUS INGREDIENTS (SPECIFY COMPONENT)

Hazardous Ingredients (Chemical or common name(s)) ⁽³⁾	CAS No.	TLV ppm	weight %	Component
Phenol	108-95-2	5	0.1~0.4	INK (except Violet)
Benzyl violet 4B	1694-09-3		0.3~1.3	INK (Black, Blue, Brown)
Sodium carbonate	497-19-8		0.1	INK (Violet)
Ethenediol	107-21-1		14.1	INK (Yellow)

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

Appearance and Odor				
Writing instrument, no smell.				
Boiling Point °C	n. a.	Density (g/cm ³)	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.	
Pr. sized	yes	no	×	% Volatile ⁽⁴⁾
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.

SW-PPA

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 ⁽⁵⁾ n. d. 2. Chronic ⁽⁵⁾ n. d.

Signs and Symptoms ⁽⁶⁾
 of Overexposure n. d.

Medical Conditions Generally
 Aggravated by Exposure n. d.

Chemical Listed as Carcinogen No

Toxicity and
 First Aid Procedures

Routes of Entry	Emergency Procedures	Seek Medical Advice
Inhalation	n. a.	<input type="checkbox"/>
Eyes	Flush with plenty of water.	<input type="checkbox"/>
Skin	Wash off in flowing water.	<input type="checkbox"/>
Ingestion	n. d.	<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 n. a.

Waste Disposal
 Methods In accordance with national, state and local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection
 (Specify Type) n. a.

Local Exhaust	n. a.	Mechanical (General)	n. a.	Other	n. a.
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Ear and Eye Protection
 n. a.

Work/Hygienic Practices
 n. a.

1) LD₅₀ shall be noted if known. not applicable=n.a.
 2) Health hazard by ingestion or inhalation shall be noted if known. not determined=n.d.