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**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



IDENTITY (As Used on Label and List)  
V-BALL (BL-VB5)

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name Pilot Corporation	Emergency Telephone Number 03-5487-8181
Address (Number, Street, City, State, and ZIP Code) 8-1 Nishigotanda 2-chome	Telephone Number for Information 03-5487-8181
Shinagawa-ku Tokyo JAPAN	Date Prepared September 14, 1992
	Signature of Preparer (optional)

**Section II — Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
NAME (CAS NO.)	TLV (PPM)	WT %	COMPONENT	
Phenol (108-95-2)	5	0.3	Ink (black, blue, red)	

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**Section III — Physical/Chemical Characteristics**

Bolling Point	N.A.	Specific Gravity (H <sub>2</sub> O = 1)	N.A.
Vapor Pressure (mm Hg.)	N.A.	Melting Point	N.A.
Vapor Density (AIR = 1)	N.A.	Evaporation Rate (Butyl Acetate = 1)	N.A.
Solubility in Water	N.A.		
Appearance and Odor	Writing Instrument, No Smell		

**Section IV — Fire and Explosion Hazard Data**

Flash Point (Method Used)	N.A.	Flammable Limits	LEL	N.A.	UEL	N.A.
Extinguishing Media	Water, dry chemical					
Special Fire Fighting Procedures	N.A.					
Unusual Fire and Explosion Hazards	N.A.					

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**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	None

Incompatibility (Materials to Avoid) N.A.

Hazardous Decomposition or Byproducts N.A.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	None

**Section VI — Health Hazard Data**

Route(s) of Entry: Inhalation? N.A. Skin? Yes (ink) Ingestion? N.D.

Health Hazards (Acute and Chronic) N.D.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure N.D.

Medical Conditions Generally Aggravated by Exposure N.D.

Emergency and First Aid Procedures  
 EYES: Flush with plenty of water  
 SKIN: Wash off in flowing water

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled N.A.

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

Precautions to Be Taken in Handling and Storing None

Other Precautions None

**Section VIII — Control Measures**

Respiratory Protection (Specify Type) N.A.

Ventilation	Local Exhaust	N.A.	Special	N.A.
	Mechanical (General)	N.A.	Other	N.A.

Protective Gloves N.A. Eye Protection N.A.

Other Protective Clothing or Equipment N.A.

Work/Hygienic Practices N.A.