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 BLUE INK
 MSDS

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): G2 Blue (GNL)		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		G2 Blue Ink	
Manufacturer's Name: <i>Pilot Corporation</i>	Emergency Telephone Number: 03-5487-8181	77233	77241
Address (Number, Street, City, State & Zip): 8-1 Nishigotanda 2-chome	Telephone Number for Information: 03-5487-8181	77290	
Shinagawa-ku Tokyo 141 Japan	Date Prepared: October 30, 1997		
		Signature of Preparer: Optional	
SECTION II - Hazardous Ingredients/Identify Information			
Hazardous Components (Specific Chemical Identity; Common Name(s):	OSHA PEL	ACGIH TLV	Other Limits Recommended
			% (Optional) 40/10
NAME	CAS. NO.	WT. (%)	COMPONENT
Solvents: Ethylene Glycol	107-21 N.D.	20.0	Ink
Thiourea	62-56-6 N.D.	0.8	Ink
Trade name and synonyms: Ball Point Pen Ink (BP-S)			
Chemical Family: Glycol ether & dyestuffs.			
Formula: Main Solvent.			
SECTION III - Physical/Chemical Characteristics			
Boiling Point	N.D.	More than 401.8°F	Specific Gravity (H ₂ O=1) at 68° N.D.
Vapor Pressure (mm Hg.) (AT 68°F)	N.D.	0.03	Melting Point N.D.
Vapor Density (AIR = 1)	N.D.	4.8	Evaporation Rate (Butyl Acetate = 1) N.D.
Solubility in Water	Miscible		% Volatile N.D.
Appearance and Odor Blue colored liquid, less smell			
SECTION IV - Fire and Explosion Hazard Data			
Flash Point (Method Used): (°C)	N.D.	Flammable Limits N.A.	LEL N.D. UEL N.D.
Extinguishing Media:	N.D.	Auto ignition Temp. © N.D.	
Special Fire Fighting Precautions	N.D.		
List Hazardous Products of Decomposition	none		
Other Advice	none		
SECTION V - Reactivity Data			
Stability	Unstable Stable	X	Conditions to Avoid N.D.
Incompatibility (Materials to Avoid)	None		
Hazardous Decomposition or Byproducts	N.D.		
Hazardous Polymerization	May occur May not occur	X	Conditions to Avoid N.D.
SECTION VI - Health Hazard Data			

Route(s) of Entry:	Inhalation? <i>N.A.</i>	Skin/Gently rinse the affected skin and eyes with clean water.	Ingestion? Rinse mouth with water. Seek Medical advice.
Health Hazards (Acute and Chronic): <i>N.D.</i>			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure: <i>N.D.</i>			
Medical Conditions: <i>N.D.</i> Generally Aggravated by Exposure: <i>Inhalation, swallowing, skin contact: no problem. Eye: irritation at the cornea.</i>			
Emergency and First Aid Procedures: <i>N.D.</i>			
SECTION VII - Precautions for Safe Handling and Use			
Waste Disposal Method:			
Precautions to Be Taken in Handling and Storing: <i>Avoid ingestion</i>			
Other Precautions: <i>None</i>			
SECTION VIII - Control Measures			
Respiratory Protection (Specify Type) <i>Not Required.</i>			
Ventilation <i>Not Required.</i>	Local Exhaust: <i>Not Required.</i> Mechanical: (General) <i>Not Required.</i>		Special: <i>Not Required.</i> Other: <i>Not Required.</i>
Protective Gloves: <i>Not Required.</i>	Eye Protection: <i>Not Required.</i>		
Other Protective Clothing or Equipment: <i>Not Required.</i>			
Work/Hygienic Practices: <i>Not Required.</i>			

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