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BLACK 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 Black (GNR)		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 Blk Ink			
Manufacturer's Name: <i>Pilot Corporation</i>		Emergency Telephone Number: 77287 03-5487-8181 77232			
Address (Number, Street, City, State & Zip): 8-1 Nishigotanda 2-chome		Telephone Number for Information: 77240 03-5487-8181 777289			
Shinagawa-ku Tokyo 141 Japan		Date Prepared: October 30, 1997			
		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) 40/10
NAME		CAS. NO.	WT. (%)	COMPONENT	
Solvents: Ethylene Glycol		107-21 N. D.	20.0	Ink	
<i>Chemical Name and Synonyms: Oil Based Ink</i>					
<i>Trade name and synonyms: Ball Point Pen Ink (BP-S)</i>					
<i>Chemical Family: Glycol ether & dyestuffs.</i> <i>Formula: Main Solvent.</i>					
SECTION III - Physical/Chemical Characteristics					
Boiling Point <i>N.D.</i>		<i>More than 401.8°F</i>	Specific Gravity (H ₂ O=1) at 68°	<i>N.D.</i>	
Vapor Pressure (mm Hg.) (AT 68°F) <i>N.D.</i>		0.03	Melting Point	<i>N.D.</i>	
Vapor Density (AIR = 1) <i>N.D.</i>		4.8	Evaporation Rate (Butyl Acetate = 1)	<i>N.D.</i>	
Solubility in Water <i>Miscible</i>			%Volatile	<i>N.D.</i>	
Appearance and Odor <i>Black colored liquid, less smell</i>					
SECTION IV - Fire and Explosion Hazard Data					
Flash Point (Method Used): (°C) <i>N.D.</i>		Flammable Limits <i>N.A.</i>	LEL <i>N.D.</i>	UEL <i>N.D.</i>	
Extinguishing Media: <i>N.D.</i>				<i>Auto ignition Temp. © N.D.</i>	
Special Fire Fighting Precautions <i>N.D.</i>					
List Hazardous Products of Decomposition <i>none</i>					
Other Advice <i>none</i>					
SECTION V - Reactivity Data					
Stability		Unstable Stable	X	Conditions to Avoid <i>N.D.</i>	
Incompatibility (Materials to Avoid)		None			
Hazardous Decomposition or Byproducts		N.D.			
Hazardous Polymerization		May occur May not occur	X	Conditions to Avoid <i>N.D.</i>	
SECTION VI - Health Hazard Data					
Route(s) of Entry:		Inhalation? <i>N.A.</i>	Skin/Gently rinse the affected skin and eyes	Ingestion? Rinse mouth with water. Seek medical advice.	

		with clean water.	
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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