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BLACK INK MSDS

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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): 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> | | | | | |
| Special Fire Fighting Precautions <i>N.D.</i> | | <i>Auto ignition Temp. © 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. | |

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| | | with clean water. | |
| Health Hazards (Acute and Chronic): <i>N.D.</i> | | | |
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| 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> | | | |

Data Sheet Table of Contents

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