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PILOT CORP CUS SERVICE

002

04-05-04v

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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) - Silver Marker-Ex.Fine (SC-S-EF) - Medium (SC-S)	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 <i>The Pilot Ink Co., Ltd.</i>	Telephone Number 81-52-733-1561
Address (Number, Street, City State & Zip) 3-17 Midoricho, Shouwa-ku, Nagoya-City	Fax Number 81-52-732-4938
Aichi, 104-0031 Japan	Date Prepared December 27, 2001
	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	
<i>Ethylcyclohexane</i>	<i>1678-91-7</i>	<i>N.A.</i>	<i>39.4</i>		
<i>Methylcyclohexane</i>	<i>10818712</i>	<i>N.A.</i>	<i>15</i>		
<i>Petroleum disillates</i>	<i>64742-12-7</i>		<i>5.4</i>		

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Section III - Physical/Chemical Characteristics			
Boiling Point	<i>131.8 °c (ECH)</i>	Specific Gravity (H2O=1)	<i>N.A.</i>
Vapor Pressure (mm Hg)	<i>0.13 kpa (20.0 °c)</i>	Melting Point	<i>413°</i>
Vapor Density (Air=1) <i>0.895 (20.0 °c)</i>	<i>N.A.</i>	Evaporation Rate (Butyl Acetate = 1)	<i>N.A.</i>
Solubility in Water <i>Insoluble</i>			
Appearance and Odor <i>Liquid with distinct odor</i>			

Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used) <i>7.0 °c</i>	Flammable Limits <i>6.6% (g/m³) 0.9% (g/m³)</i>	LEL <i>N.A.</i>	UEL <i>N.A.</i>
Extinguishing Media <i>Water, spray, foam, dry chemical powder or carbon dioxide</i>			
Special Fire Fighting Procedures <i>Apply water from a safe distance to cool and protect surrounding area.</i>			
Unusual Fire and Explosion Hazards <i>None</i>			

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Section V- Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	None
Incompatibility (Materials to Avoid)	None		
Hazardous Decomposition or Byproducts	None		
Hazardous Polymerization	May Occur		Condition to Avoid
	May Not Occur	X	None

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? <i>Yes (Ink)</i>	Skin? <i>Yes (Ink)</i>	Ingestion? <i>Yes (Ink)</i>
Health Hazards(Acute and Chronic) <i>N.D.</i>			

Carcinogenicity:	NTP? <i>None</i>	IARC Monographs? <i>None</i>	OSHA Regulated? <i>None</i>
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Signs and Symptoms of Exposure *N.D.*

Medical Conditions

Generally Aggravated by Exposure *N.D.*Emergency and First Aid Procedures *Inhalation: Remove to fresh air; seek medical help. Ingestion:**Seek medical help. Eyes: Flush with clean water for at least 15 mins.; seek medical help. Skin: Wash off in flowing water using a mild soap; seek medical help.***Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled

Absorb with material (e.g. dry sand or cloth), place in a chemical waste container.

Waste Disposal

*In accordance with national, state and local regulations.*Precautions to Be Taken in Handling and Storing *Avoid rough handling or dropping. Keep container tightly closed. Wear protective safety glasses, gloves. Store in a well ventilated, non-combustible location away from all possible source of ignition.**Avoid high temperature.*

Other Precautions

Section VIII - Control MeasuresRespiratory Protection(Specify Type) *Industrial Canister; Gas Masks*

Ventilation	Local Exhaust <i>Not Required</i>	Special <i>Not Required</i>
	Mechanical(General) <i>Not Required</i>	Other <i>Not Required</i>

Protective Gloves

Eye Protection

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<i>Rubber Gloves</i>	<i>Safety glasses</i>
Other Protective Clothing or Equipment <i>Not Required</i>	
Work/Hygienic Practices <i>Not Required</i>	

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