

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 Ink (SCSEF, SCS) <i>Silver</i>	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 1

Manufacturer's Name PILOT CORPORATION	Telephone Number 03-3538-3700
Address(Number, Street, City State & Zip) 6-21, Kyobashi 2-Chrome, Chuo-ku	Fax Number 03-3538-3909
Tokyo, 104-8304 Japan	Date Prepared September 25, 2007
	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>	1678-91-7	N.A.	39.4	
<i>Methylcyclohexane</i>	10818712	N.A.	15	
<i>Petroleum disfillates</i>	64742-12-7		5.4	

Section III - Physical/Chemical Characteristics

Boiling Point	131.8 °c (ECH)	Specific Gravity (H2O=1)	N.A.
Vapor Pressure(mm Hg)	0.13 kpa(20.0°c)	Melting Point	413°
Vapor Density(Air=1) 0.895 (20.0 °c)	N.A.	Evaporation Rate (Butyl Acetate = 1)	N.A.

Solubility in Water **Insoluble**

Appearance and Odor **Liquid with distinct odor**

Section IV - Fire and Explosion Hazard Data

Flash Point(Method Used) 7.0 °c	Flammable Limits 6.6% (g/m³) 0.9% (g/m³)	LEL N.A.	UEL N.A.
Extinguishing Media Water, spray, foam, dry chemical powder or carbon dioxide			
Special Fire Fighting Procedures Apply water from a safe distance to cool and protect surrounding area.			
Unusual Fire and Explosion Hazards None			
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? Yes (Ink)	Skin? Yes (Ink)	Ingestion? Yes (Ink)
Health Hazards(Acute and Chronic) N.D.			
Carcinogenicity:			
	NTP? None	IARC Monographs? None	OSHA Regulated? None
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 Measures

Respiratory 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 <i>Rubber Gloves</i>	Eye Protection <i>Safety glasses</i>
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Other Protective Clothing or Equipment
Not Required

Work/Hygienic Practices
Not Required



RETURN TO DATA SHEET INDEX