

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

• WRITING INK NAMES	SC-UF-B,R,L,G
• WRITING INSTRUMENT NAMES	• SCA-UF-B,R,L,G • SCA-EF-B,R,L,G • SCA-TM-B,L • MF-12EU-B,L • SCAN-UF-B,R,L,G • SCAN-EF-B,R,L,G
• NAME OF MANUFACTURER / SUPPLIER	PILOT CORPORATION
• ADDRESS	6-21, KYOBASHI 2-CHOME, CHUO-KU, TOKYO, 104-8304 JAPAN
• TELEPHONE NUMBER	03-3538-3700
• FAX NUMBER	03-3538-3909

2. COMPOSITION/INFORMATION ON INGREDIENTS

WRITING INK

SUBSTANCE / MIXTURE		MIXTURE
	CAS No	weight %
1-Methoxy-2-propanol	107-98-2	52-55
Methyl lactate	547-64-8	10-20
1-Methoxy-2-propyl acetate	108-65-6	14(green)

3. HAZARDS IDENTIFICATION

WRITING INK

• CLASS NAME OF HAZARDOUS CHEMICALS FOR SDS IN JAPAN
FLAMMABLE LIQUID

• PHYSICAL AND CHEMICAL HAZARDS
Flammable liquid

• ADVERSE HUMAN HEALTH EFFECTS
Irritating to eyes.
Irritating to skin.

• ENVIRONMENTAL EFFECTS
Not available

WRITING INSTRUMENT

Follow the local law and regulations in your country.

4. FIRST-AID MEASURES

WRITING INK

• EYE CONTACT
Gently rinse the affected eyes with clean water for at least 15 minutes.
And refer for medical attention.

• SKIN CONTACT
Wash the affected area under tepid running water using a mild soap.

• INHALATION
Remove the victim from the contamination immediately to fresh air.
And refer for medical attention.

• INGESTION
Refer for medical attention.

5. FIRE-FIGHTING MEASURES

WRITING INK

• EXTINGUISHING MEDIA
In case of fire, use water spray, foam, dry chemical powder or carbon dioxide.

• SPECIFIC HAZARD WITH REGARD TO FIRE-FIGHTING MEASURES
Apply water from a safe distance to cool and protect surrounding area.

6. ACCIDENTAL RELEASE MEASURES

WRITING INK AND WRITING INSTRUMENT

Absorb spill with material(e.g.dry sand or earth , cloth) , then place in a chemical waste containers.

7. HANDLING & STORAGE

·HANDLING

WRITING INK

Avoid rough handling or dropping.
Keep container tightly closed.
Wear protective safety glasses,gloves.

·STORAGE

WRITING INK

Inside storage should be in a well -ventilated ,noncombustible location ,away from all possible source of ignition.

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Follow the local raw and regulations in your country.

8. EXPOSURE CONTROL /PERSONAL PROTECTION

·CONTROL PARAMETERS

WRITING INK

1-Methoxy-2-propanol 100ppm

·ENGINEERING MEASURES

WRITING INK

Use with local exhaust ventilation.

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Not required

·PERSONAL PROTECTIVE EQUIPMENT

WRITING INK

·RESPIRATORY PROTECTION

Industrial Canister gas masks.

·EYE PROTECTION

Safety glasses

·HAND, SKIN AND BODY PROTECTION

Rubber gloves

WRITING INSTRUMENT

Not required

9. PHYSICAL & CHEMICAL PROPERTIES

WRITING INK

·PHYSICAL STATE , FORM:

·APPEARLANCE:

liquid

·COLOR:

black,red,blue,green

·DENSITY:

1.01-1.04 (20.0°C)

·FLASH POINT

32°C(1-Methoxy-2-propanol)

·AUTOIGNITION TEMPERATURE:

277.5°C(1-Methoxy-2-propanol)

·UPPER AND LOWER EXPLOSION LIMIT:

11.8 (g/m³),2.7 % (g/m³) , 1-Methoxy-2-propanol

·BOILING POINT:

121 °C(1-Methoxy-2-propanol)

·MELTING POINT:

-95°C(1-Methoxy-2-propanol)

·VAPOR PRESSURE:

6.7mmHg(20.0°C1-Methoxy-2-propanol)

·SOLUBILITY IN WATER

Insoluble

·SOLUBILITY IN -----:

10. STABILITY & REACTIVITY

WRITING INK

• FLAMMABILITY	Flammable
• SPONTANEOUS COMBUSTIBILITY	Not available
• REACTIVITY WITH WATER	This material is stable.
• OXIDIZIBILITY	This material is stable
• SELF-REACTIVITY	This material is stable
• STABILITY & REACTIVITY	This product is considered a stable material under normal and anticipated storage and handling conditions

11. TOXICOLOGICAL INFORMATION

WRITING INK

• CORROSIVE AND IRRITANT PROPERTIES	Not available
• ALLERGENIC AND SENSITIZING EFFECTS	Not available
• ACUTE TOXICITY	Not available
• SUB-CHRONIC TOXICITY	Not available
• CHRONIC TOXICITY	Not available
• CARCINOGENIC EFFECTS	Not available
• MUTAGENIC EFFECTS	Not available
• EFFECTS ON THE REPRODUCTIVE SYSTEM	Not available
• TERATOGENIC EFFECTS	Not available

12. ECOLOGICAL INFORMATION

WRITING INK

• BIODEGRADABILITY	Not available
• BIOACCUMULATION	Not available
• FISH TOXICITY	Not available

13. DISPOSAL CONSIDERATION

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Follow all regulations in your country.

14. TRANSPORT INFORMATION

WRITING INK AND WRITING INSTRUMENT

Follow all regulations in your country.

WRITING INK

• UN CLASS:	Class 3
• UN No.:	1993

15. REGULATORY INFORMATION

WRITING INK AND WRITING INSTRUMENT

Follow all regulations in your country.

16. OTHER INFORMATION

• REFERENCES

The information here is given in good faith ,but no warranty ,express or implied , is made.