

MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

- WRITING INK NAMES ;G3-B,-L,-R,-G,
- WRITING INSTRUMENT NAMES ;BL-G3-38/05/07/10-B,-L,-R,-G,
- NAME OF MANUFACTURER / SUPPLIER ; PILOT CORPORATION
- ADDRESS ;2-6-21,KYOBASHI, CHUOKU TOKYO,
104-8304 JAPAN
- TELEPHON NUMBER ; 03-3538-3700
- FAX NUMBER ; 03-3538-3909

2. COMPOSITION / INFORMATION ON INGREDIENTS

WRITING INK SUBSTANCE / MIXTURE	CAS No.	MIXTURE weight %
Triethanolamine	102-71-6	5.0 (except -G) 2.0 (-G)
Etylene Glycol	107-21-1	20.0
· UN CLASS ;	Not applicable	
· UN No. ;	Not applicable	

3. HAZARDS IDENTIFICATION

WRITING INK
 · CLASS NAME OF HAZARDOUS CHEMICALS FOR MSDS IN JAPAN ; Not applicable

WRITING INSTRUMENT
 ; Follow the local raw and regulations in your country.

4. FIRST-AID MEASURES

- WRITING INK
- EYE CONTACT ; Gently rinse the affected eyes with clean water for at 15 minute.
And refer for medical attention.
 - SKIN CONTACT ; Wash the affected area under tepid running water using a mild soap.
 - INGESTION ; Refer for medical attention.

5. FIRE-FIGHTING MEASURES

- WRITING INK
- EXTINGUISHING MEDIA ; Not classed as flammable.
In case of fire , use water spray , foam , dry chemical powder or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

WRITING INK AND WRITING INSTRUMENT

; Absorb spill with material (cloth or paper) , then place in a chemical waste containers.

7. HANDLING & STORAGE

· HANDLING

WRITING INK

; Avoid rough handling or dropping.

Follow the local raw and regulations in your country.

· STORAGE

WRITING INK

; Store in a cool, dry, well-ventilated location.

Follow the local raw and regulations in your country.

WRITING INSTRUMENT

; Follow the local raw and regulations in your country.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

· PERSONAL PROTECTIVE EQUIPMENT

WRITING INK

· EYE PROTECTION

; Wear eye protection.

· HAND PROTECTION

; Wear suitable gloves.

· SKIN AND BODY PROTECTION

; Wear suitable protective clothing.

WRITING INSTRUMENT

; Not required

9. PHYSICAL & CHEMICAL PROPERTIES

WRITING INK

· PHYSICAL STATE , FORM

; Viscosity liquid

· COLOR

; Black, Red, Blue, Green

· PH

; 3.5-9.2

· FLASH POINT

; Boils without flashing

· EXPLOSIVE PROPERTIES

; Not applicable

· DENSITY

; 1.10-1.12 (at 20°C)

· SOLUBILITY IN WATER

; Soluble

10. STABILITY & REACTIVITY

WRITING INK

· STABILITY

- REACTIVITY WITH WATER ; Stable
- OXIDIZIBILITY ; Stable
- SELF-REACTIVITY ; Stable

· STABILITY & REACTIVITY

; This product is considered a stable material under normal and anticipated storage and handling conditions.

11. TOXICOLOGICAL INFORMATION

WRITING INK

- ACUTE TOXICITY ; Triethanolamine LD50 8,680mg/kg (rat)
Ethylene Glycol LD50 4,700mg/kg (rat)
 - LOCAL EFFECTS ; Not available
-

12. ECOLOGICAL INFORMATION

WRITING INK

- DEGRADABILITY ; Not available
 - BIOACCUMULATION ; Not available
 - ECOTOXICITY ; Not available
-

13. DISPOSAL CONSIDERATION

WRITING INK AND WRITING INSTRUMENT

; Follow all regulations in your country.

14. TRANSPORT INFORMATION

WRITING INK AND WRITING INSTRUMENT

- UN CLASS ; Follow all regulations in your country.
 - UN No. ; Not applicable
 - UN No. ; Not applicable
-

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.
Final determination of suitability of any material is the sole responsibility of the user.