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**SAFETY DATA SHEET**

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**1. PRODUCT & COMPANY IDENTIFICATION**

· WRITING INK NAMES	VRB- B,G, VR5- R,L
· WRITING INSTRUMENT NAMES	BL-GRB7-B,R,L-BG
· 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	03-3538-3915

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**2. COMPOSITION/INFORMATION ON INGREDIENTS****WRITING INK****SUBSTANCE / MIXTURE****MIXTURE**

	CAS No	weight %
Triethanolamine	102-71-6	1.0

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**3. HAZARDS IDENTIFICATION****WRITING INK**

- CLASS NAME OF HAZARDOUS CHEMICALS FOR SDS IN JAPAN  
Not applicable

**WRITING INSTRUMENT**

Follow the local raw and regulations in your country.

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**4. FIRST-AID MEASURES****WRITING INK**

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|----------------|--|
| · EYE CONTACT  | Gently rinse the affected eyes with clean water for at least 15 minutes.<br>And refer for medical attention. |
| · SKIN CONTACT | Wash the affected area under tepid running water using a mild soap.  |
| · INGESTION    | Refer for medical attention.   |
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**5. FIRE-FIGHTING MEASURES****WRITING INK AND WRITING INSTRUMENT****· 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 law and regulations in your country.

### •STORAGE

#### WRITING INK

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

Follow the local law and regulations in your country.

#### WRITING INSTRUMENT

Follow the local law 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:

liquid

#### •COLOR:

black,red,blue,green

#### •ODOUR

No odour

#### •pH

8.0-10.0

#### •FLASH POINT

boils without flashing

#### •EXPLOSIVE PROPERTIES

No data

#### •DENSITY:

1.05-1.07 (20.0°C)

#### •SOLUBILITY IN WATER

Soluble

## 10.STABILITY & REACTIVITY

### WRITING INK

#### •STABILITY

##### •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

## • ACUTE TOXICITY

Triethanolamine

LD50 8,680mg/kg (rat)

## • LOCAL EFFECTS

Not available

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12. ECOLOGICAL INFORMATION

## WRITING INK

## • DEGRADABILITY

Not available

## • BIOACCUMULATION

Not available

## • ECOTOXICITY

Not available

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13. DISPOSAL CONSIDERATION

## WRITING INK AND WRITING INSTRUMENT

Follow all regulations in your country.

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14. TRANSPORT INFORMATION

## WRITING INK AND WRITING INSTRUMENT

Follow all regulations in your country.

## • UN CLASS:

Not applicable

## • UN No.:

Not applicable

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15. REGULATORY INFORMATION

## WRITING INK AND WRITING INSTRUMENT

Follow all regulations in your country.

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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.