

SAFETY DATA SHEET

4102

1. PRODUCT & COMPANY IDENTIFICATION

· WRITING INK NAMES	SWV-B,R,L,G,LB,V
· WRITING INSTRUMENT NAMES	· SW-VSP-B,R,L,G,LB,V
· NAME OF MANUFACTURER / SUPPLIER	PILOT CORPORATION
· ADDRESS	8-1,NISHIGOTANDA 2-CHOME,SHINAGAWAKU TOKYO, 141-8553 JAPAN
· TELEPHONE NUMBER	03-5487-8181
· FAX NUMBER	03-5487-8097

2. COMPOSITION/INFORMATION ON INGREDIENTS

WRITING INK

SUBSTANCE / MIXTURE

MIXTURE

	CAS No	weight %
Ethylene Glycol	107-21-1	7.0 ~ 8.0
Triethanolamine	102-71-6	1.0 ~ 3.6

3. HAZARDS IDENTIFICATION

WRITING INK

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

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.
· INGESTION	Refer for medical attention.

5. FIRE-FIGHTING MEASURES

WRITING INK AND WRITING INSTRUMENT

· EXTINGUISHING MEDIA

Not class 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,light blue,,violet
·ODOUR	No odor
·pH	8.0-9.5
·FLASH POINT	boils without flashing
·EXPLOSIVE PROPERTIES	No data
·DENSITY:	1.07-1.11 (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.

## ·HAZARDOUS PRODUCTS OF DECOMPOSITION

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

11. TOXICOLOGICAL INFORMATION

## WRITING INK

## ·ACUTE TOXICITY

Ethylene Glycol LD50 8,540mg/kg (rat)

Triethanolamine LD50 8,680mg/kg (rat)

## ·LOCAL EFFECTS

Not available

12. ECOLOGICAL INFORMATION

WRITING INK

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|------------------|---------------|
| ·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.

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|------------|----------------|
| ·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.