

# SAFETY DATA SHEET

Date of Issue : November 1, 2017  
 SDS No. : AI-005  
 Version : 002



## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

This product is a writing instrument to be recognized as Article.

### 1.1. Identification of the substance or mixture

Product name : Precise V5/V7  
 Product code : BX-V5-BL-B/R/L/G/V/P/LB/LG/O/Y/DR/BB-A  
 BX-V7-BL-B/R/L-A  
 BX-V5-S7N-A  
 BX-V5-NP-BL-B/L-A  
 BX-V7-NP-BL-B/L-A  
 BX-V5PT-BL-B/R/L/G/V/P/LB-A  
 Mixture name : V5-B/R/L/G/V/P/LB/LG/O/Y/DR/BB  
 V7-B

1.2. Use of the mixture : Ink for writing instrument

### 1.3. Company identification e-mail address

Name of manufacture /supplier : PILOT Corporation  
 Address : 6-21, Kyobashi 2-chome, Chuo-ku, Tokyo, 104-8304, Japan  
 Telephone number : 03-3538-3700  
 Working hours (from 09.00am to 05.30pm)  
 Facsimile number : 03-3538-3909  
 E-mail address : international@pilot.co.jp

## 2. HAZARDS IDENTIFICATION

### 2.1. GHS Classification of the substance or mixture

#### Health hazards

Skin corrosion/irritation : Category 2 (V5-LB, V7-B)  
 Eye damage/irritation : Category 2  
 Sensitization - skin : Category 1

### 2.2. GHS label elements

#### Hazard pictograms



Signal word : Warning

#### Hazard statements

H315 : Causes skin irritation (V5- LB, V7-B)  
 H317 : May cause an allergic skin reaction  
 H319 : Causes serious eye irritation

## Precautionary statements

## Prevention

- P261 : Avoid breathing mist/vapors/spray.  
 P264 : Wash hands thoroughly after handling.  
 P272 : Contaminated work clothing should not be allowed out of the workplace.  
 P280 : Wear protective gloves/ eye protection/face protection.

## Response

- P302+P352 : IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P333+P313 : If skin irritation or rash occurs: Get medical advice/attention.  
 P337+P313 : If eye irritation persists: Get medical advice/attention.  
 P362+P364 : Take off contaminated clothing and wash it before reuse.

## Disposal

- P501 : Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards : None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or mixture : Mixture

## Ingredients and composition

Ingredients	CAS Number	Weight %	Component
2-Pyrrolidone	616-45-5	3.6-5.0 %	All colors
Additive A	Non Public	3.0-3.3 %	V5-B/R/L/V/P/LG/Y/O/DR/BB
Additive B	Non Public	0.50-0.80 %	V5-G/LB, V7-B
Triethanolamine	102-71-6	1.0-2.2 %	All colors
Surfactant	Non Public	0.45-1.0 %	All colors

### 4. FIRST AID MEASURES

## 4.1. Description of first aid measures

- Inhalation : Remove subject to ventilated fresh air. Consult physician if necessary.  
 Ingestion : Refer for medical attention.  
 Skin contact : Wash the affected area under tepid running water using a mild soap. And refer for medical attention if irritation continues.  
 Eye contact : Gently rinse the affected eyes with clean water for at least 15 minutes. And refer for medical attention if irritation continues.  
 First aid facilities : Ensure eyewash and water service are available.

## 4.2. Most important symptoms and effects, both acute and delayed

Ink contact with skin may cause irritation, swelling or redness.

## 4.3. Indication of any immediate medical attention and special treatment needed

In case of skin or eye contamination treat as under First Aid Measures.

**5. FIRE-FIGHTING MEASURES**

## 5.1. Suitable extinguishing media

: Not classed as flammable.

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

## 5.2. Specific hazards arising from the substance or mixture

: CO<sub>2</sub>, CO, NO<sub>x</sub>, and SO<sub>x</sub>, is produced after combustion.

## 5.3. Special protective equipment and precautions for fire-fighters

: None

**6. ACCIDENTAL RELEASE MEASURES**

## 6.1. Personal precautions, protective equipment and emergency procedures

: Use proper ventilation. Use eye and skin protection.

## 6.2. Environmental precautions

: Do not dispose of waste to the sewer.

## 6.3. Methods and material for containment and cleaning up

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

**7. HANDLING AND STORAGE**

## 7.1. Precautions for safe handling

: Avoid rough handling or dropping.

Wear protective gloves/protective clothing/eye protection/face protection.

## 7.2. Conditions for safe storage, including any incompatibilities

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

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## 8.1. Control parameters

Occupational exposure limits

Component	Threshold limit values
	ACGIH
Triethanolamine	TLV-TWA 5 mg/m <sup>3</sup>

## 8.2. Appropriate engineering controls

: No special controls are needed.

## 8.3. Individual protection measures, such as personal protective equipment.

: Wear protective gloves/protective clothing/eye protection/face protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1. Information on basic physical and chemical properties

(a) Appearance : Liquid

[Color] Black, Red, Blue, Green, Violet, Pink,  
Light Blue, Light Green, Yellow, Orange,  
Dark Red, Blue Black

(b) Odor : Slight characteristic

(c) Odor threshold : No data

(d) pH : 7.5-10.3

(e) Melting point/freezing point	: No data
(f) Initial boiling point/boiling range	: About 100 degrees Celsius
(g) Flash point	: Boils without flashing
(h) Evaporation rate	: No data
(i) Flammability (solid, gas)	: None
(j) Upper/lower flammability or explosive limits	: No data
(k) Vapor pressure	: No data
(l) Vapor density	: No data
(m) Relative density	: 1.06-1.11 (at 20 degrees Celsius)
(n) Solubility	: Not applicable
(o) Partition coefficient: n-octanol/water	: Not available
(p) Auto-ignition temperature	: No data
(q) Decomposition temperature	: No data
(r) Viscosity	: 2.2-4.5 mPa·s (at 20 degrees Celsius)
9.2. Other information	: None

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## 10. STABILITY AND REACTIVITY

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10.1. Reactivity	: This material is stable.
10.2. Chemical stability	: This material is stable.
10.3. Possibility of hazardous reactions	: This material is stable.
10.4. Conditions to avoid	: This material is stable.
10.5. Incompatible materials	: Strong oxidizing agents and reducing agents.
10.6. Hazardous decomposition products	: No data

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## 11. TOXICOLOGICAL INFORMATION

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There is no data available on the mixture itself.

Information on toxicological effects

Skin corrosion/irritation	: Additive A	: Category 2
	: Surfactant	: Category 1
	: Triethanolamine	: Category 2
Eye damage/irritation	: 2-Pyrrolidone	: Category 2
	: Additive A	: Category 2
	: Additive B	: Category 1
	: Surfactant	: Category 1
	: Triethanolamine	: Category 2A
Sensitization - skin	: Additive A	: Category 1
	: Triethanolamine	: Category 1
	: Additive B	: Category 1

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## 12. ECOLOGICAL INFORMATION

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There is no data available on the mixture itself.

12.1. Ecotoxicity

12.1.1. Hazardous to the aquatic environment, short term (acute)	: 2-Pyrrolidone	: Category 3
	: Surfactant	: Category 3

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- 12.1.2. Hazardous to the aquatic environment, long-term (chronic) : Surfactant : Category 3
- 12.2. Persistence and degradability : No data available
- 12.3. Bioaccumulative potential : No data available
- 12.4. Mobility in soil : No data available
- 12.5. Other adverse effects : None

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### 13. DISPOSAL CONSIDERATIONS

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- 13.1. Waste treatment methods
- Follow all regulations in your country.

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### 14. TRANSPORT INFORMATION

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- 14.1. UN number : Not applicable
- 14.2. UN proper shipping name : Not applicable
- 14.3. Transport hazard class(es) : Not applicable
- 14.4. Packing group : Not applicable
- 14.5. Environmental hazards : Not applicable
- 14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable
- 14.7. Special precautions for user : None

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### 15. REGULATORY INFORMATION

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- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Follow all regulations in your country.

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### 16. OTHER INFORMATION

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- International GHS conformity.
- 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.

End of SDS