

SDS # AI-006-BXRT-V5,V7\_170301

Applicable Items

Item Number	Prefix	Stock	Itm Dsc
PIL26062	PIL	26062	PEN,PRECISE,V5 RT,BK
PIL26063	PIL	26063	PEN,PRECISE,V5 RT,BE
PIL26064	PIL	26064	PEN,PRECISE,V5 RT,RD
PIL26066	PIL	26066	PEN,PRECISE,V5 RT,PE
PIL26067	PIL	26067	PEN,PRECISE,V7 RT,BK
PIL26068	PIL	26068	PEN,PRECISE, V7 RT,BE
PIL26069	PIL	26069	PEN,PRECISE,V7 RT,RD
PIL26071	PIL	26071	PEN,PRECISE,V7 RT,PE

# SAFETY DATA SHEET

Date of Issue : March 1, 2017  
 SDS No. : AI-006  
 Version : 001



## 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 RT  
 Product code : BXRT-V5-BL-B/R/L/G-A  
 BXRT-V7-BL-B/R/L/G-A  
 BXRT-V5-V-A  
 BXRT-V7-V-A  
 BXRT-V5-NPBL-BA/RA/LA  
 BXRT-V7-NPBL-BA/RA/LA  
 BXRTV5PT-BL-B/R/L/G/V-A  
 BXS-V5RT-BL-B/R/L  
 BXS-V7RT-BL-B/R/L  
 Mixture name : V5RT-B/R/L/G/V

1.2. Use of the mixture : Ink for writing instrument

### 1.3. Company identification e-mail address

Name of manufacture : PILOT Corporation  
 /supplier  
 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 (V5RT-R/G) , Category 3 (V5RT-B/L/V)  
 Eye damage/irritation : Category 2  
 Sensitization – skin : Category 1  
 Germ cell mutagenicity : Category 1 (V5RT-V)  
 Reproductive toxicity : Category 1 (V5RT-V) , Category 2 (V5RT-B/R/L/G)  
 Specific target organ toxicity(repeated exposure) : Category 1 (Liver, kidney)

#### Environmental hazards

Hazardous to the aquatic environment – short term (acute) hazard : Category 3

## 2.2. GHS label elements

## Hazard pictograms



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## Signal word

: Danger

## Hazard statements

- H315 : Causes skin irritation (V5RT-R/G)  
H316 : Causes mild skin irritation (V5RT-B/L/V)  
H319 : Causes serious eye irritation  
H317 : May cause an allergic skin reaction  
H340 : May cause genetic defects (V5RT-V)  
H360 : May damage fertility or the unborn child (V5RT-V)  
H361 : Suspected of damaging fertility or the unborn child  
(V5RT-B/R/L/G)  
H372 : Causes damage to liver and kidney through prolonged or  
repeated exposure  
H402 : Harmful to aquatic life

## Precautionary statements

## Prevention

- P280 : Wear protective gloves/ protective clothing/eye protection/face  
protection.  
P264 : Wash hands and face thoroughly after handling.  
P260 : Do not breathe mist/vapours.  
P272 : Contaminated work clothing should not be allowed out of the  
workplace.  
P201 : Obtain special instructions before use.  
P202 : Do not handle until all safety precautions have been read and  
understood.  
P270 : Do not eat, drink or smoke when using this product.  
P273 : Avoid release to the environment.

## Response

- P302+P352 : IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 : If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 : Take off contaminated clothing and wash it before reuse.  
P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue  
rinsing.  
P337+P313 : If eye irritation persists: Get medical advice/attention.  
P308+P313 : IF exposed or concerned: Get medical advice/attention.  
P314 : Get medical advice/attention if you feel unwell.

## Storage

- P405 : Store locked up.

## Disposal

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

## 2.3. Other hazards

: None

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Substance or mixture : Mixture

Ingredients and composition

Ingredients	CAS Number	Weight %	Component
Sodium hydroxide	1310-73-2	0.20 %	Red/Green
Triethanolamine	102-71-6	1.0~2.0%	All Colors
Diethylene glycol	111-46-6	8.3~9.6 %	All Colors
2-Pyrrolidone	616-45-5	3.0~5.0 %	All Colors
Phenol	108-95-2	0.20 %	Violet
Surfactant	Non public	0.30~0.50 %	All Colors
Additive	Non public	1.7~3.3 %	Except Violet

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### 4. FIRST AID MEASURES

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#### 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.

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### 5. FIRE-FIGHTING MEASURES

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#### 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

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### 6. ACCIDENTAL RELEASE MEASURES

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#### 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.

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## 7. HANDLING AND STORAGE

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## 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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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## 8.1. Control parameters

Occupational exposure limits

Component	Threshold limit values
	ACGIH
Triethanolamine	TLV-TWA 5 mg/m <sup>3</sup>
Phenol	TLV-TWA 5 ppm
Sodium hydroxide	TLV-STEL 2 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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## 9.1. Information on basic physical and chemical properties

- (a) Appearance : Liquid  
[Color] Black, Red, Blue, Green, Violet
- (b) Odor : Slight characteristic
- (c) Odor threshold : No data
- (d) pH : 7.9-9.2
- (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 : 1.04-1.07 (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 : 6.0-12 mPa·s (at 20 degrees Celsius)

## 9.2. Other information : None

**10. STABILITY AND REACTIVITY**

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

**11. TOXICOLOGICAL INFORMATION**

There is no data available on the mixture itself.

Information on toxicological effects

Skin corrosion/irritation	: Surfactant	: Category 1
	: Sodium hydroxide	: Category 1
	: Phenol	: Category 1
	: Triethanolamine	: Category 2
	: Additive	: Category 2
	: 2-Pyrrolidone	: Category 3
Eye damage/irritation	: Surfactant	: Category 1
	: Sodium hydroxide	: Category 1
	: Phenol	: Category 1
	: Triethanolamine	: Category 2
	: 2-Pyrrolidone	: Category 2
Sensitization - skin	: Additive	: Category 2
	: Triethanolamine	: Category 1
	: Additive	: Category 1
Germ cell mutagenicity	: Phenol	: Category 1
Reproductive toxicity	: Phenol	: Category 1
	: Diethylene glycol	: Category 2
Specific target organ toxicity (single exposure)	: Triethanolamine	: Category 3
	: 2-Pyrrolidone	: Category 3
Specific target organ toxicity (repeated exposure)	: Diethylene glycol	: Category 1

**12. ECOLOGICAL INFORMATION**

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 2
12.1.2. Hazardous to the aquatic environment, long-term (chronic)	: Not applicable	
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<br>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