# SAFETY DATA SHEET

Date of Issue: SDS No.: Version: February 1, 2016 RI-106 003



# 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: HI-TECPOINT V5/V7 Cartridge SystemProduct code: BXC-V5-B/R/L/G-BGBXC-V7-B/R/L/G-BG: VCT-B/R/L/G-BG
- 1.2. Use of the mixture : Ink for writing instrument

#### 1.3. Company identification e-mail address

Name of manufacture / supplier	: PILOT CORPORATION OF EUROPE
Address	: PAE de la Caille 74350 ALLONZIER-LA-CAILLE (France)
Telephone number	: +33 (0)4 50 08 33 00 Working hours (from 8.30am to 12.30pm and from 01.30pm to 05.30pm :04.00pm on Friday-French time)
Facsimile number	: +33 (0)4 50 46 43 59
e-mail address	: pilotfrance@piloteurope.com

# 1.4. Emergency telephone number: +33 (0)1 45 42 59 59Association /Organization :ORFILA /INRS<u>http://www.centres-antipoison.net</u>

# 2. HAZARDS IDENTIFICATION

Based on the law and regulation in Japan			
Physical /Chemical has	zards : Not applicable		
Environmental hazard	s : Not applicable		
Effect of exposure	: Not applicable		
Symptom of exposure			
Inhalation	: Intentional exposure to ink vapors may cause respiratory irritation.		
Ingestion	: May cause upset stomach.		
Skin contact	: Ink contact with skin may cause irritation, swelling, or redness.		
It is not expected to cause an allergic skin reaction.			
Eye contact	: Ink contact with eye may be mildly irritating.		

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#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Based on the law and regulation in Japan For ink unless otherwise specified

Ingredients	CAS Number	EINECS Number	Weight %	Component
Triethanolamine	102-71-6	203-049-8	2.2	All Colors

4. 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.		
Medical attention			
Local contamination			
: In case of skin or eye contamination treat as under First Aid Measures.			
Systemic poisoning			
· Thorn is r	no sposific antidata. Traat symptoms		

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. Extinguishing media which shall not be used for safety	: None
5.3. Special exposure hazards arising from the	: $\mathrm{CO}_2,\mathrm{CO},\mathrm{NO}_x,\mathrm{and}\mathrm{SO}_x$ are produced after
substance or mixture itself, combustion products	combustion.
5.4. Special protective equipment for fire-figters	: Not required
5.5. Additional information	: None

# 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions	: Use proper ventilation. Use eye and skin protection.
6.2. Environmental precautions	: Keeping away from drains, surface-and ground-water and soil, possible need to alert the neighbourhood.
6.3. Methods for cleaning up	Absorb spill with material (cloth or paper), then place in chemical waste containers.
6.4 .Additional information	: None

## 7. HANDLING AND STORAGE

7.1. Handling : Avoid rough handling or dropping.
7.1.1. Protective measures : Not required in normal use.
7.1.2. Measures to prevent aerosol and dust generation : Not required in normal use.

- 7.1.3. Measures required to protect the environment7.1.4. Specific requirements or handling rulesNone
- 7.1.5. Precautions against fire and explosion
- : Not required in normal use.

7.2. Storage

7.3. Specific use(s) : Not use it except the ink for writing instruments.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Exposure limit values : No data	
8.1.1. Occupational exposure controls	: Not available
8.1.2. Biological limit values	: Not available
8.1.3. DNEL and PNEC-value(s) as appl	icable : No data
8.2. Exposure controls	
8.2.1. Occupational exposure controls	
a) Respiratory protection	: Not required
b) Hand protection	: Wear suitable gloves.
c) Eye protection	: Wear eye protection.
d) Skin protection	: Wear suitable protective clothing.
8.2.2. Environmental exposure controls	
ACGIH TLV-TWA	Triethanolamine $\therefore 5 \text{ mg/m}^3$

# 9. PHYSICAL AND CHEMICAL PROPERTIES

For ink unless otherwise specified

#### 9.1. General information

Appearance: Viscosity liquid<br/>[Color] Black, Red, Blue, GreenOdor: Slight characteristic

#### 9.2. Important health, safety and environmental information

pH	: 8-9
Boiling point / boiling range	About 100 degrees Celsius
Flash point	: Boils without flashing
Flammability (solid, gas)	: None
Explosive properties	: None
Oxidizing properties	: None
Vapor pressure	: No data
Relative density	: 1.00-1.10 (at 20 degrees Celsius)
Solubility	: Not applicable
Water solubility	: Soluble
Partition coefficient: n-octanol / water	: Not available
Viscosity	: 2-4 mPa · s (at 20 degrees Celsius)
Vapor density	: No data
Evaporation rate	: No data

10. STABILITY AND REACTIVITY		
10.1. Conditions to avoid	: This material is stable	
10.2. Materials to avoid	: This material is stable	
10.3. Hazardous decomposition products	: No data	
11. TOXICOLOGICAL INFORMATION		
For ink unless otherwise specified		
11.1. Toxicokinetics, metabolism and distribu	ition	: No data
11.2. Acute effects (acute toxicity, irritation and corrosivity)		
: Acute toxicity Triethanolamine	LD <sub>50</sub> 4.92 ml/kg(rat)	
11.3. Sensitization		: No data
11.4. Repeated dose toxicity		: No data
11.5. CMR (carcinogenity, mutagenicity, and to	oxicity for reproduction)	: No data

12. ECOLOGICAL INFORMATION		
12.1. Ecotoxicity	: No data	
12.2. Mobility	: No data	
12.3. Persistence and degradability	: No data	
12.4. Bioaccumulative potential	: No data	
12.5. Results of PBT assessment	: No data	
12.6. Other adverse effects	: None	

### 13. DISPOSAL CONSIDERATIONS

· Follow all regulations in your country.

#### 14. TRANSPORT INFORMATION

For ink unless otherwise specified	
14.1. UN number	: Not applicable
14.2. Class	: Not applicable
14.3. Proper shipping name	: Not applicable
14.4. Packing group	: Not applicable
14.5. Marine pollutant	: Not applicable
14.6. Other applicable information	: None

#### **15. REGULATORY INFORMATION**

 $\cdot$  Follow all regulations in your country.

#### **16. OTHER INFORMATION**

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.