SAFETY DATA SHEET

Date of Issue: August 9, 2012

SDS No.: RI-106 Version: 001



1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

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

1.1. Identification of the substance or preparation

Product name : HI-TECPOINT V5/V7 Cartridge System

Product code : BXC-V5-B/R/L/G-BG

BXC-V7-B/R/L/G-BG

Preparation name : VCT-B/R/L/G

1.2. Use of the preparation : Ink for writing instrument

1.3. Company identification e-mail address

Name of manufacture

Telephone number

/ supplier

Address

: PILOT CORPORATION OF EUROPE

: PAE de la Caille 74350 ALLONZIER-LA-CAILLE (France)

: +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 59

Association /Organization :ORFILA/INRS http://www.centres-antipoison.net

2. HAZARDS IDENTIFICATION

Based on the law and regulation in Japan

Physical /Chemical hazards : Not applicable

Environmental hazards : 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.

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	1.2	All Colors
Phenol	108-95-2	203-632-7	0.3	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

: There is no specific antidote. Treat 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 : None

safaty

5.3. Special exposure hazards arising from the

substance or preparation itself, combustion

products

 $: CO_2, CO, NO_x, and SO_x$ are produced after

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

Product Name : HI-TECPOINT V5/V7 Cartridge System SDS No.:RI -106 Page 3/5

7. HANDLING AND STORAGE

7.1. Handling : Avoid rough handling or dropping.

7.1.1. Protective measures
7.1.2. Measures to prevent aerosol and dust generation
7.1.3. Measures required to protect the environment
Not required in normal use.
Not required in normal use.

7.1.4. Specific requirements or handling rules : None

7.1.5. Precautions against fire and explosion : Not required in normal use.

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

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

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

8.2. Exposure controls

8.2.1. Occupational exposure controls

8.1.3. DNEL and PNEC-value(s) as applicable

a) Respiratory protection : Not required

b) Hand protectionc) Eye protectionWear suitable gloves.Wear eye protection.

d) Skin protection : Wear suitable protective clothing.

8.2.2. Environmental exposure controls

: ACGIH TLV-TWA Phenol : 5ppm

Triethanolamine : 5 mg/m³

: No data

9. PHYSICAL AND CHEMICAL PROPERTIES

For ink unless otherwise specified

9.1. General information

Appearance : Viscosity liquid

[Color] Black, Red, Blue, Green

Odor : 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 : 1.10-1.00 (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)

Product Name : HI-TECPOINT V5/V7 Cartridge System SDS No.:RI -106 Page 4/5

Vapor density : No data Evaporation rate : No data

9.3. Other information : None

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 distribution : No data

11.2. Acute effects (acute toxicity, irritation and corrosivity)

: Acute toxicity Triethanolamine LD₅₀ 4.92ml/kg(rat) Phenol LD₅₀ 317 mg/kg(rat)

11.3. Sensitization : No data 11.4. Repeated dose toxicity : No data

11.5. CMR (carcinogenity, mutagenicity, and toxicity 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.
- · Not hazardous waste.

14. TRANSPORT INFORMATION

For ink unless otherwise specified

14.1. UN number: Not applicable14.2. Class: Not applicable14.3. Proper shipping name: Not applicable14.4. Packing group: Not applicable14.5. Marine pollutant: Not applicable

14.6. Other applicable information : None

15. REGULATORY INFORMATION

Suit a standard of "Safety of toys" Part3 (EN71-3)

Detrimental metallic elements are not containing.

(Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium)

Product Name : HI-TECPOINT V5/V7 Cartridge System SDS No.:RI -106 Page 5/5

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.

End of SDS