

# SAFETY DATA SHEET

Date of Issue: January 14, 2011  
SDS No.: RI-098  
Version: 001



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

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

### 1.1. Identification of the substance or preparation

Product name : FRIXION ball CLICKER  
Product code : BLRT-FR5-B/R/L/G/V/LB/P  
BLRT-FR7-B/R/L/G/V/LB/P  
BLS-FR5-B/R/L/G/V/LB/P  
BLS-FR7-B/R/L/G/V/LB/P  
Preparation name : FXP-B/R/L/G/V/LB/P

1.2. Use of the preparation : 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 59

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

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## **2. HAZARDS IDENTIFICATION**

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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.

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**3. COMPOSITION / INFORMATION ON INGREDIENTS**

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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	All Colors

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**4. FIRST AID MEASURES**

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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.

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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. Extinguishing media which shall not be used for safety : None

5.3. Special exposure hazards arising from the substance or preparation itself, combustion products : CO<sub>2</sub>, CO, NO<sub>x</sub>, and SO<sub>x</sub> are produced after combustion.

5.4. Special protective equipment for fire-fighters : Not required

5.5. Additional information : None

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**6. ACCIDENTAL RELEASE MEASURES**

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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

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**7. HANDLING AND STORAGE**

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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 environment : 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.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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- 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 applicable : 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 : 5 mg/m<sup>3</sup>

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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For ink unless otherwise specified

### 9.1. General information

- Appearance : Viscosity liquid  
[Color] Black, Red, Blue, Green, Violet, Light Blue, Pink  
Odor : Slight characteristic

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

- pH : 7.5-9.5  
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 : 1.02-1.07 (at 20 degrees Celsius)  
Solubility : Not applicable  
Water solubility : Soluble  
Partition coefficient: n-octanol / water : Not available  
Viscosity : 550-750 mPa · s (at 20 degrees Celsius)  
Vapor density : No data  
Evaporation rate : No data

- 9.3. Other information : None

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**10. STABILITY AND REACTIVITY**

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- 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

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**11. TOXICOLOGICAL INFORMATION**

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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 LD<sub>50</sub> 4.92ml/kg(rat)  
11.3. Sensitization : No data  
11.4. Repeated dose toxicity : No data  
11.5. CMR (carcinogenicity, mutagenicity, and toxicity for reproduction) : No data

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**12. ECOLOGICAL INFORMATION**

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- 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

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**13. DISPOSAL CONSIDERATIONS**

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- Follow all regulations in your country.
- Not hazardous waste.

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**14. TRANSPORT INFORMATION**

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- 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

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**15. REGULATORY INFORMATION**

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

Detrimental metallic elements are not containing.

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

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**16. OTHER INFORMATION**

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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.