SAFETY DATA SHEET

Date of Issue: July 14, 2011
SDS No.: SP-009
Version: 002

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**: BETTER RETRACTABLE
- **Product code**: BP-145·F·B/R/L
  - BP-145·F·B/R/L/P-(A)
  - BP-145·M·B/R/L
  - BP-145·M·B/R/L/P-(A)
  - RFJS·GP·F·B/R/L/P
  - RFJS·GP·M·B/R/L/P
- **Preparation name**: BETTER RETRACTABLE·B/R/L/P

1.2. Use of the preparation
- : Ink for writing instrument

1.3. Company identification
- **e-mail address**: international@pilot.co.jp

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: Japanese time)
Facsimile number: 03-3538-3909

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

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number</th>
<th>EINECS Number</th>
<th>Weight %</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium and its compounds</td>
<td>Non-disclosure</td>
<td>Non-disclosure</td>
<td>Non-disclosure</td>
<td>B,R</td>
</tr>
<tr>
<td>Copper and its compounds</td>
<td>Non-disclosure</td>
<td>Non-disclosure</td>
<td>Non-disclosure</td>
<td>L</td>
</tr>
</tbody>
</table>

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 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 safety.  : None.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products  : CO₂, CO, NOₓ, and SOₓ, is produced after combustion.

5.4 Special protective equipment for fire-fighters.  : 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  : Do not dispose of waste to the sewer.

6.3 Methods for cleaning up  : Absorb spill with material (cloth or paper), then place in a 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 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Exposure limit values: Not available.
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 in normal use
b) Hand protection: Not required in normal use
c) Eye protection: Not required in normal use
d) Skin protection: Not required in normal use
8.2.2. Environmental exposure controls: No data.

9. PHYSICAL AND CHEMICAL PROPERTIES

For ink unless otherwise specified
9.1. General information
Appearance: Viscosity liquid
<Color> Black, Red, Blue, Pink
Odor: Slight characteristic.

9.2. Important health, safety and environmental information
PH: No data.
Boiling point / boiling range: No data.
Flash point: 110 degrees Celsius.
Flammability (solid, gas): None.
Explosive properties: None.
Oxidizing properties: None.
Vapor pressure: No data.
Relative density: 1.09-1.13 (at 20 degrees Celsius)
Solubility: Not allocated.
Water solubility: Insoluble.
Partition coefficient: n-octanol / water: Not available.
Viscosity: < 25,000 mPa·s (1.7 S⁻¹; at 20 degrees Celsius)
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)
No data.

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

14.1.1 UN number
Not applicable.

14.1.2 Class
Not applicable.

14.2.1 Proper shipping name
Not applicable.

14.3.1 Packing group
Not applicable.

14.4.1 Marine pollutant
Not applicable.

14.5.1 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)

The law and regulation in Japan

Occupational Safety and Health Act (The 57th 2)

government ordinance number 142 : Chromium and its compounds

Pollutant Release and Transfer Register

government ordinance number 87 : Chromium and its compounds
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