

SAFETY DATA SHEET

20881-XXXX

Date of Issue: August 10, 2017

SDS No.: AP-009

Version: 001



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

For ink unless otherwise specified.

1.1. Product identifier.

Product name : Parallel Pen/Refills

Product code : IC-P3-AST-A
: IC-P3-S6-B/BB/R/G/V/P/TQ-A

Mixture name : Parallel Pen/Refills-B/BB/R/G/V/P/TQ

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Ink for writing instrument

1.3. Details of the supplier of the safety data sheet

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: Japanese time)

Facsimile number : 03-3538-3909

E-mail address : international@pilot.co.jp

2. HAZARDS IDENTIFICATION

2.1. GHS Classification of the substance or mixture.

Not Classified

2.2. GHS label elements

Not Classified

2.3. Other hazards

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance or mixture : Mixture

Ingredients and composition

| Ingredients | CAS No. | % Weight | Classification | Component |
|--------------------|--------------|----------|---------------------|------------|
| Diethylene glycol | 111-46-6 | 9.0 | Acute Tox.4 H302 | All Colors |
| Coloring materials | Trade secret | 2.0-8.0 | Not Classified | All Colors |
| Others | Trade secret | remnant | Not Classified | All Colors |

H302: Harmful if swallowed

4. FIRST AID MEASURES

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 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

In case of skin or eye contamination treat as under First Aid Measures.

4.3. Indication of any immediate medical attention and special treatment needed

There is no specific antidote. Treat symptoms.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Not classed as flammable.

In case of fire, use water spray, foam, dry,chemical powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

CO₂, CO, NO_x, and SO_x, is produced after combustion.

5.3. Advice for firefighters

Not required.

6. ACCIDENTAL RELEASE MEASURES

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.

6.4. Reference to other sections

None

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid rough handling or dropping.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Not use it except the ink for writing instruments.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

- No data

8.2. Exposure controls

Wear protective gloves / protective clothing / eye protection / face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| (a) Appearance | Liquid <Color> Black,Blue Black,Red,Green,Violet,Pink,Turquoise |
| (b) Odour | Slight characteristic. |
| (c) Odour threshold | No data. |
| (d) PH | 8.0-10.0 |
| (e) Melting point / Freezing point | No data. |
| (f) Boiling point / boiling range | About 100 degrees Celsius. |
| (g) Flash point | Not applicable. |
| (h) Evaporation rate | No data. |
| (i) Flammability (solid, gas) | None. |
| (j) Upper/lower flammability or explosive limits | None. |
| (k) Vapor pressure | No data. |
| (l) Vapor density | No data. |
| (m) Relative density | 1.05-1.15 (at 20 degrees Celsius) |
| (n) Solubility(ies) | Not allocated. |
| (o) Partition coefficient: n-octanol / water | Not available. |
| (p) Auto-ignition temperature | Not Auto-ignition |
| (q) Decomposition temperature | No data. |
| (r) Viscosity | < 3.0mPa.s(380sec ⁻¹ at 20 degree Celsius) |
| (s) Explosive properties | No data. |
| (t) Oxidising properties | None. |
| 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 | : No data. |
| 10.5. Incompatible materials | : No data. |
| 10.6. Hazardous decomposition products | : No data. |

11. TOXICOLOGICAL INFORMATION

Mixture: No data

| 11.1. Information on toxicological effects | | |
|--|-------------------|---------------------------|
| (a) acute toxicity | Diethylene glycol | LD50 Oral-rat-12,565mg/kg |
| (b) skin corrosion/ irritation | No data available | |
| (c) serious eye damage/ irritation | No data available | |
| (d) respiratory or skin sensitisation | No data available | |
| (e) germ cell mutagenicity | No data available | |
| (f) carcinogenicity | No data available | |
| (g) reproductive toxicity | No data available | |
| (h) STOT-single exposure | No data available | |
| (i) STOT-repeated exposure | No data available | |
| (j) aspiration hazard | No data available | |

12. ECOLOGICAL INFORMATION

Mixture : No data

| | |
|---|-------------------|
| 12.1. Toxicity | No data available |
| 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. Results of PBT and vPvB assessment | No data available |
| 12.6. Other adverse effects | No data available |

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

- Follow all regulations in your country.

14. TRANSPORT INFORMATION

- | | |
|---|-------------------|
| 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. Special precautions for user | : Not applicable. |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | : Not applicable. |

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Follow all regulations in your country.

15.2. Chemical safety assessment

- No data
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16. OTHER INFORMATION

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