

SAFETY DATA SHEET

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 SDS No. : AI-046
 Version : 001



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 : FRIXION Fineliner
 Product code : SW-FF-B/R/L/G/LG/LB/P/BP/O/Y/V/BN(A)
 Mixture name : FFL-B/R/L/G/LG/LB/P/BP/O/Y/V/BN

1.2. Use of the mixture : Ink for writing instrument

1.3. Company identification e-mail address

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)
 Facsimile number : 03-3538-3909
 E-mail address : international@pilot.co.jp

2. HAZARDS IDENTIFICATION

2.1. GHS Classification of the substance or mixture

Health Hazards

Specific target organ toxicity : Category 2
 (repeated exposure)

2.2. GHS label elements

Hazard pictogram :



Signal word : Warning

Hazard statements

H373 : May cause damage to organs through prolonged or repeated exposure

Precautionary statements

Prevention

P260 : Do not breathe dust / smoke / gas / mist / vapor / spray.

Response

P314 : Get medical advice/attention if you feel unwell.

Storage

: Not applicable.

Disposal

P501 : Dispose of contents/ container in accordance with regulations.

2.3. Other hazards : None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Mixture : Mixture

Ingredients and composition

Ingredients	Cas Number	Weight (%)	Component
Hexasodium tungstate hydrate	12141-67-2	6.0%	All colors

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 least 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

There is no specific antidote. Treat symptoms.

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

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

5. FIRE-FIGHTING MEASURES

- 5.1. Extinguishing media : 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 : 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 and material for containment and cleaning up : Absorb spill with material (cloth or paper), then place in a chemical waste containers.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling : Avoid rough handling or dropping.
Wear protective gloves/protective clothing/eye protection/face protection.
- 7.2. Conditions for safe storage, including any incompatibilities : Store in a dry, cool, well-ventilated location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Control parameters : Not available
- 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, Red, Blue, Green, Light-green,
Light-blue, Pink, Light-pink, Orange,
Yellow, Violet, Brown |
| (b) Odor | : Slight characteristic |
| (c) Odor threshold | : No data |
| (d) pH | : 6.5-5.0 |
| (e) Melting point/freezing point | : No data |
| (f) Boiling point/boiling range | : About 100 degrees Celsius |
| (g) Flash point | : Boils without flashing |
| (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 | : 1.140 ± 0.01 (at 20 degrees Celsius) |
| (n) Solubility(ies) | : Soluble in water |
| (o) Partition coefficient:
n-octanol/water | : Not available |
| (p) Auto-ignition temperature | : Not Auto-ignition |
| (q) Decomposition temperature | : No data |
| (r) Viscosity | : 7.0-11.0 mPa·s (at 20 degrees Celsius) |

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 | : This material is stable. |
| 10.5. Incompatible materials | : No data |
| 10.6. Hazardous decomposition products | : No data |

11. TOXICOLOGICAL INFORMATION

There is no data available on the mixture itself.

11.1. Information on toxicological effects

- | | | |
|---|--------------------------------|--------------|
| Eye damage/irritation | : Hexasodium tungstate hydrate | : Category 2 |
| Skin corrosion/irritation | : Hexasodium tungstate hydrate | : Category 3 |
| Specific target organ toxicity
(repeated exposure) | : Hexasodium tungstate hydrate | : Category 2 |

12. ECOLOGICAL INFORMATION

There is no data available on the mixture itself.

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|---|--------------------------------|--------------|
| 12.1. Hazards to the aquatic environment | : Hexasodium tungstate hydrate | : Category 3 |
| Aquatic environment hazard (long term hazard) | | |
| 12.2. Ecotoxicity | : No data available | |
| 12.3. Persistence and degradability | : No data available | |
| 12.4. Bioaccumulative potential | : No data available | |
| 12.5. Mobility in soil | : No data available | |
| 12.6. Other adverse effects | : None | |

13. DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment methods
- Follow all regulations in your country.
 - Not hazardous waste.

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

15. REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Follow all regulations in your country.

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