

# SAFETY DATA SHEET

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 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 light  
 Product code : SW-FL-BL-L/G/P/Y/O/SL/SG/SP/SV/SY-A  
 SW-FLW-NPBL-L/Y  
 Mixture name : FSL-L/G/P/Y/ON/SL/SG/SP/SV/SY

1.2. Use of the mixture : Ink for writing instrument

### 1.3. Company identification e-mail address

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

## 2. HAZARDS IDENTIFICATION

### 2.1. GHS Classification of the substance or mixture

#### Environmental Hazards

Hazards to the aquatic environment : Category 2  
 short-term (acute)

### 2.2. GHS label elements

Hazard pictogram :None

Signal word :None

#### Precautionary statements

##### Prevention

P273 : Avoid release to the environment.

##### 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
Additive	Confidential	0.20%	All colors

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## 4. FIRST AID MEASURES

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### 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.

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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 foam, dry, chemical powder or carbon dioxide.

5.2. Special hazards arising from : CO<sub>2</sub>, CO, NO<sub>x</sub>, and SO<sub>x</sub>, is produced after combustion.  
the substance or mixture

5.3. Special protective equipment :None  
and precautions for  
fire-fighters

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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  
: 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.

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## 7. HANDLING AND STORAGE

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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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1. Control parameters  
: Not available

8.2. Appropriate engineering controls  
: No special controls are needed.

8.3. Individual protection measures, such as personal protective equipment.  
: Wear protective gloves/protective clothing/eye protection/face protection.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1. Information on basic physical and chemical properties

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|---|---|
| (a) Appearance                                      | : Viscosity liquid<br>[Color] Black, Red, Blue, Green, Light-green,<br>Light-blue, Pink, Light-pink, Orange,<br>Yellow, Violet, Brown |
| (b) Odor  | : Slight characteristic   |
| (c) Odor threshold                                  | : No data   |
| (d) pH  | : 7.0-6.0   |
| (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<br>explosive limits | : None  |
| (k) Vapor pressure                                  | : No data   |
| (l) Vapor density                                   | : No data   |
| (m) Relative density                                | : 1.11± 0.01 (at 20 degrees Celsius)  |
| (n) Solubility(ies)                                 | : Soluble in water  |
| (o) Partition coefficient:<br>n-octanol/water       | : Not available   |
| (p) Auto-ignition temperature                       | : Not Auto-ignition   |
| (q) Decomposition temperature                       | : No data   |
| (r) Viscosity                                       | : 12.0-18.0 mPa·s (at 20 degrees Celsius)   |

9.2. Other information : None

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## 10. STABILITY AND REACTIVITY

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|--|----------------------------|
| 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                  |

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## 11. TOXICOLOGICAL INFORMATION

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There is no data available on the mixture itself.

### 11.1. Information on toxicological effects

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|---------------------------|---------------------|
| Acute toxicity (Oral)     | : No data available |
| Skin corrosion/irritation | : No data available |
| Eye damage/irritation     | : No data available |
| Sensitization             | : No data available |
| Germ cell mutagenicity    | : No data available |
| Carcinogenicity           | : No data available |
| Reproductive toxicity     | : No data available |

Specific target organ toxicity Single exposure	: No data available
Specific target organ toxicity Repeated exposure	: No data available
Aspiration hazard	: No data available

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## 12. ECOLOGICAL INFORMATION

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There is no data available on the mixture itself.

### 12.1. Ecotoxicity

12.1.1. Hazardous to the aquatic environment, : Additive : Category 1  
short-term (acute)

12.1.2. Hazardous to the aquatic environment, : Not applicable  
long-term (chronic)

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. Other adverse effects : None

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## 13. DISPOSAL CONSIDERATIONS

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### 13.1. Waste treatment methods

- 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. 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 : Not applicable  
of MARPOL 73/78 and the IBC Code

14.7. Special precautions for user : Not applicable

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## 15. REGULATORY INFORMATION

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

- Follow all regulations in your country.

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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.