

SAFETY DATA SHEET

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 SDS No. : AI-075
 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 COLORS
 Product code : SW-FC-BL-G/LG/BP/Y-A
 Mixture name : FCP-G/LG/BP/Y

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

Health Hazards

Serious eye damage/eye irritation :Category 2

Environmental Hazards

Hazardous to the aquatic environment (Acute) :Category 3

2.2. GHS label elements

Hazard pictogram



Signal word : Warning

Hazard statements

H319 : Causes serious eye irritation.
 H402 : Harmful to aquatic life.

Precautionary statements

Prevention

P264 :Wash hands thoroughly after handling.
 P280 :Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P273 : Avoid release to the environment.

Response

~~P305+ P351+ P338 : IF IN EYES: Rinse cautiously with water for several minutes.~~

Remove contact lenses, if present and easy to do.
Continue rinsing.
P337 +P313 : If eye irritation persists: Get medical advise/attention.
Storage : None
Disposal
P501 : Dispose of contents/ container in accordance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Mixture : Mixture

Ingredients and composition

Ingredients	CAS Number	Weight %	Component
Sodium meta tungstate	12141-67-2	1.0%~2.0%	FCP-G,LG,BP,Y
Preservative A	3811-73-2	0.08%	ALL colors
Preservative B	55406-53-6	0.10%	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. 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 : CO₂, CO, NO_x, and SO_x, is produced after combustion.
the substance or mixture
5.3. Special protective equipment :None
and precautions for
fire-fighters

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. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

(a) Appearance : Liquid FCP-G/LG/BP/Y
[Color] Green, Light-green, Baby-pink, Yellow

(b) Odor : Slight characteristic

(c) Odor threshold : No data

(d) pH : 4.5-5.5

(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 : 1.106-1.159 (at 20 degrees Celsius)

(n) Solubility : 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 : 14.0-19.0 mPa·s (at 20 degrees Celsius)

9.2. Other information : None

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 | : High temperature. |
| 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

Serious eye damage/eye irritation : Sodium meta-tungstate :Category 1

12. ECOLOGICAL INFORMATION

There is no data available on the mixture itself.

12.1. Ecotoxicity

- | | | |
|---|---------------------|--|
| 12.1.1. Hazardous to the aquatic environment, short-term (acute) | :Preservative A: | Category 1
$LC_{50} \geq 0.022\text{mg/L/48h(daphnia)}$ |
| | Preservative B: | Category 2
$EC_{50} \geq 0.650\text{mg/L/48h(daphnia)}$ |
| 12.1.2. Hazardous to the aquatic environment, long-term (chronic) | : Not applicable | |
| 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 | |

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

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