

# **SAFETY DATA SHEET**

Date of Issue: January 1, 2016  
SDS No.: SI-008  
Version: 004



---

## **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 : SUPER COLOR-White Extra Fine  
SUPER COLOR-White Fine  
SUPER COLOR-White Medium  
SUPER COLOR-White Broad

Product code : SC-W-EF  
SC-W-F  
SC-W-M  
SC-W-B

Mixture name : SC-PM-W(F)

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**

---

Based on the law and regulation in Japan

Physical /Chemical hazards : Flammable liquid.

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

Ingredients	CAS No.	EINECS Number	Weight %
Ethylcyclohexane	1678-91-7	216-835-0	40-45
Titanium dioxide	13463-67-7	236-675-5	30-40

---

### 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 least 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 : 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 mixture itself, combustion products : CO<sub>2</sub>, CO, NO<sub>x</sub>, and SO<sub>x</sub>, are 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 , away from possible all source of ignition.
- 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

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

For ink unless otherwise specified

### 9.1. General information

- Appearance : Liquid  
[Color] White
- Odor : Organic solvent odor

### 9.2. Important health, safety and environmental information

- pH : Not applicable
- Boiling point / boiling range : 131.8 degrees Celsius (Ethylcyclohexane)
- Flash point : 19 degrees Celsius (Ethylcyclohexane)
- Flammability (solid, gas) : Flammable
- Explosive properties : None
- Oxidizing properties : None
- Vapor pressure : 0.13 kPa (at 20 degrees Celsius, Ethylcyclohexane)
- Relative density : 1.16 (at 20 degrees Celsius)
- Solubility : Not applicable
- Water solubility : Insoluble
- Partition coefficient: n-octanol / water : No data
- Viscosity : 19.0 mPa · s (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 : Fire or intense heat may cause violent rupture of packages.  
: Take precautionary measures against static discharges.
- 10.2. Materials to avoid : Strong oxidizing agents and reducing agents.

- 10.3. Hazardous decomposition products : Heating can release vapors which can be ignited.  
: Burning produces obnoxious and toxic fumes, carbon oxides.

---

## 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) :  
: Acute toxicity Ethylcyclohexane : LD<sub>50</sub> 47,400 mg/kg (rat oral)  
11.3. Sensitization : No data.  
11.4. Repeated dose toxicity : No data.  
11.5. CMR (carcinogenicity, 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.
- Do not burn when empty.

---

## 14. TRANSPORT INFORMATION

---

For ink unless otherwise specified

- 14.1.1. UN number : 1993.  
14.1.2. Class : 3.  
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

---

- 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.