

100003E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2018/06/14

## SAFETY DATA SHEET

19994-3707

## 1. Product and Company Identification

[Product name] PC-1M/3M/5M/7M/8K/17K,PCF-350 Red

[File No.] 100003E

[Date of issue] 2018/06/14

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281 telefax number: 03-3450-0363  
(Only office hour are available.)

## 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation steam)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Category1
Carcinogenicity	: Category2
Toxic to reproduction	: Category1
Specific target organ systemic toxicity(single exposure)	: Category1
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Not classified

## ENVIRONMENTAL HAZARDS

Hazard to the Aquatic Environment (Acute)	: Not classified
Hazard to the Aquatic Environment (Chronic)	: Not classified

[Label elements]

Pictogram



Signal Word

: Danger

Hazard Statement

: Causes serious eye damage  
 : May cause genetic defects  
 : Suspected of causing cancer  
 : May damage fertility or the unborn child  
 : Causes damage to organs  
 : Causes damage to organs through prolonged or repeated exposure

Precautionary Statement

: Do not breathe dust/vapours etc..

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- : Do not eat, drink or smoke when using this product.
  - : Use personal protective equipment as required. (Refer to Section 8)
  - : Get medical advice/attention if you feel unwell.
  - : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - : IF exposed or concerned: Get medical advice/attention.
  - : If eye irritation persists: Get medical advice/attention.
  - : Dispose in accordance with all current regulations and standards.
- [Other hazards] No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Ink
Chemical name	Cas No. Concentration range(wt%)
Water	7732-18-5 50-80
Titanium dioxide	13463-67-7 10-30
1,2-Ethandiol	107-21-1 < 10
Ethanol	64-17-5 < 10
1-Propanol	71-23-8 < 1
2-Propanol	67-63-0 < 1

### 4. First aid measures

#### [Description of first aid measures]

- Eye contact** : Flush eyes with plenty of water for at least 15 minutes.  
: Take off the contact lens if possible  
: Consult medical advice depending on the symptoms.
- Skin contact** : Wash skin.  
: Consult medical advice depending on the symptoms.  
: Thoroughly clean and dry contaminated clothing and shoes before reuse.
- Ingestion** : Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.  
: Consult medical advice depending on the symptoms.
- Inhalation** : Due to its low vapor pressure inhalation is unlikely at room temperature.  
: If not feeling well, move to an area of fresh air and rest.  
: Consult medical advice depending on the symptoms.

#### [Most important symptoms and effects, both acute and delayed]

No information available.

#### [Indication of any immediate medical attention and special treatment needed]

No information available.

### 5. Firefighting measures

[Extinguishing media] Regular dry chemical, carbon dioxide, water, regular foam

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

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**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

Rope off the area to contain the leak and prohibit entrance except for authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

Do not allow leaked material to pollute rivers, lakes, etc.

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

Dispose of pollution or waste in accordance with national, state and local regulations.

**[Reference to other sections]**

No information available.

**7. Handling and storage****[Precautions for safe handling]**

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

Recap after use (if there is a cap), and keep out of the reach of infants.

**[Conditions for safe storage, including any incompatibilities]**

Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Ethanol	-	(TWA)1000ppm
1,2-Ethanediol	-	(STEL)100mg/m3

**[Exposure controls]**

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties****[Information on basic physical and chemical properties]**

Color	: Red
State	: Liquid
Odor	: slight odor
pH	: about8.4
Boiling point	: No information available.[Water 100.0°C]

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<b>Melting point</b>	: No information available.
<b>Flash point</b>	: No information available.
<b>Autoignition temperature</b>	: No information available.
<b>Explosion limits</b>	: No information available.
<b>Vapor density(air=1)</b>	: No information available.
<b>Density</b>	: about 1.1
<b>Solubility in water</b>	: soluble
<b>Evaporation rate</b>	: No information available.
<b>Volatile</b>	: >60%
<b>[Other information]</b>	No information available.

**10. Stability and reactivity**

<b>[Chemical stability]</b>	This mixture is stable in normal temperature, a condition of the pressure.
<b>[Reactivity]</b>	No data available.
<b>[Conditions to avoid]</b>	Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
<b>[Incompatible materials]</b>	No information available.
<b>[Hazardous decomposition products]</b>	No information available.
<b>[Possibility of hazardous reactions]</b>	No information available.

**11. Toxicological information**

<b>[Information on toxicological effects]</b>	
<b>Acute toxicity(oral)</b>	
Not classified	: >5000 mg/kg (estimate value)
<b>Acute toxicity(skin)</b>	
Not classified	: >5000 mg/kg (estimate value)
<b>Acute toxicity(inhalation:vapours)</b>	
Not classified	: >50 mg/L (estimate value)
<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/Eye Irritation</b>	
Titanium dioxide	: Category2B
Ethanol	: Category2A
1,2-Ethanediol	: Category2B
<b>Respiratory sensitizer</b>	No information available.
<b>Skin sensitizer</b>	No information available.
<b>Germ cell mutagenicity</b>	
Ethanol	: Category1B
<b>Carcinogenicity</b>	
1-Propanol	: Category2

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**Toxic to reproduction**

2-Propanol : Category2  
 Ethanol : Category1A  
 1-Propanol : Category2

**Specific target organ systemic toxicity(single exposure)**

1,2-Ethanediol : Category1

**Specific target organ systemic toxicity(repeated exposure)**

Titanium dioxide : Category1  
 Ethanol : Category1  
 1,2-Ethanediol : Category1

**Aspiration hazard**

No information available.

**Hazard to the Aquatic Environment (Acute)**

No information available.

**Hazard to the Aquatic Environment (Chronic)**

No information available.

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.  
 Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

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

Follow all regulation in your country.

[Chemical safety assessment]

Ink or lead are manufactured in accordance with "ISO 8124-3 :2010 Safety of Toys - Part 3"

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**16. Other information**

- **The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.**
- **This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.**