

100054E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2016/11/30

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PC-17K Light blue  
 [File No.] 100054E 19994-5025  
 [Date of issue] 2016/11/30  
 [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

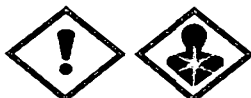
Acute toxicity(oral) : Not classified  
 Acute toxicity(skin) : Not classified  
 Acute toxicity(inhalation steam) : Not classified  
 Skin corrosion/irritation : Not classified  
 Serious eye damage/Eye Irritation : Category2  
 Respiratory sensitizer : Classification not possible  
 Skin sensitizer : 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..

100054E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2016/11/30

- : 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]
Chemical name	Gas No.
Water	Ink [ Ink quantity of product :about 41.8g]
Titanium dioxide	Concentration range(wt%)
	50-80
	10-30
	< 10
	< 10
	< 10
	< 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.

100054E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2016/11/30

**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/m <sup>3</sup>
2-Propanol	-	(TWA)200ppm (STEL)400ppm
Ethanol	-	(TWA)1000ppm
1,2-Ethanediol	-	(STEL)100mg/m <sup>3</sup>

**[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 : Light blue  
 State : Liquid  
 Odor : slight odor

100054E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2016/11/30

pH	: about 8.4
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about 1.2
Solubility in water	: soluble
Evaporation rate	: No information available.
Volatile	: >60%
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]

This mixture is stable in normal temperature, a condition of the pressure.

[Reactivity]

No data available.

[Conditions to avoid]

Avoid heat, flames, sparks and other sources of ignition.

Avoid direct sunlight and high temperature.

[Incompatible materials]

No information available.

[Hazardous decomposition products]

No information available.

[Possibility of hazardous reactions]

No information available.

**11. Toxicological information**

[Information on toxicological effects]

Acute toxicity(oral)

Not classified : &gt;2000 mg/kg (estimate value)

Acute toxicity(skin)

Not classified : &gt;2000 mg/kg (estimate value)

Acute toxicity(inhalation:vapours)

Not classified : &gt;20 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

2-Propanol : Category2A

Ethanol : Category2A

1,2-Ethenediol : Category2B

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

100054E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2016/11/30

**Germ cell mutagenicity**

Ethanol : Category1B

**Carcinogenicity**

1-Propanol : Category2

**Toxic to reproduction**

2-Propanol : Category2

Ethanol : Category1A

1-Propanol : Category2

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

2-Propanol : Category1

1,2-Ethanediol : Category1

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

Titanium dioxide : Category1

2-Propanol : Category2

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**

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**

Follow all regulation in your country.

**[Chemical safety assessment]**

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

100054E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2016/11/30

**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.