

100005E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2016/11/30

## SAFETY DATA SHEET

19994-4301

## 1. Product and Company Identification

[Product name] PC-3M Yellow  
 [File No.] 100005E  
 [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..

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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 [ Ink quantity of product :about 3.8g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
1,2-Ethanediol	107-21-1	< 10
Ethanol	64-17-5	< 10
Titanium dioxide	13463-67-7	< 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	: Yellow
State	: Liquid
Odor	: slight odor
pH	: about 8.2
Boiling point	: No information available.[Water 100.0°C]

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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 1.1
Solubility in water	: soluble
Evaporation rate	: No information available.
Volatile	: >70%
[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	: >2000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >2000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	: >20 mg/L (estimate value)
Skin corrosion/irritation	No information available.
Serious eye damage/Eye Irritation	
Titanium dioxide	: Category2B
Ethanol	: Category2A
1,2-Ethanediol	: Category2B
Respiratory sensitizer	No information available.
Skin sensitizer	No information available.
Germ cell mutagenicity	
Ethanol	: Category1B
Carcinogenicity	
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**

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"

**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.