

PWE-5M Fluorescent-yellow

MITSUBISHI PENCIL CO., LTD.

01697-4221

[Date of issue]: 2014/10/29

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PWE-5M Fluorescent-yellow

[File No.] 100231E

[Date of issue] 2014/10/29

[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	: Classification not possible
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 generic defects  
 : 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..  
 : Do not eat, drink or smoke when using this product.  
 : Use personal protective equipment as required.(Refer to Section 8)

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- : 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 6.4g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Additive	Trade secret	10-30
Resin	Trade secret	10-30
1,2-Ethanediol	107-21-1	<10
Titanium dioxide	13463-67-7	<10
Coloring agent	Trade secret	<10
Polyethylene glycol nonylphenyl ether	9016-45-9	<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 windward direction.

[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
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	: No information available.
pH	: about 8.0
Boiling point	: No information available.[Water 100°C]
Melting point	: No information available.

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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	: No information available.
Evaporation rate	: No information available.
Volatile	: >50%
[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

1,2-Ethanediol : Category2B

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

Additive : Category1B

Carcinogenicity

No information available.

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**Toxic to reproduction**

Polyethylene glycol nonylphenyl ether : Category2

Additive : Category1A

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

1,2-Ethanediol : Category1

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

Titanium dioxide : 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**

TSCA : Listed on the TSCA inventory or polymer substance.

**[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.