

100438E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2016/05/13

SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-5M Light pink
 [File No.] 100438E 19994-3732
 [Date of issue] 2016/05/13
 [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) : Category4

[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
 : May cause long lasting effect to aquatic life

Precautionary Statement

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- : Do not breathe dust/vapours etc..
 - : Do not eat, drink or smoke when using this product.
 - : Avoid release to the environment.
 - : 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.
- No information available.

[Other hazards]

3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	[Component parts]	Mixture Ink [Ink quantity of product :about 8.4g]
[Chemical nature]	Cas No.	Concentration range(wt%)
Chemical name		
Water	7732-18-5	50-80
Titanium dioxide	13463-67-7	10-30
1,2-Ethanediol	107-21-1	< 10
2-Propanol	67-63-0	< 10
Ethanol	64-17-5	< 10
1-Propanol	71-23-8	< 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.

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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.

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
2-Propanol	-	(TWA)200ppm (STEL)400ppm
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.

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

Color	: Light pink
State	: Liquid
Odor	: No information available.
pH	: about 8.1
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	: >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
2-Propanol	: Category2A
Ethanol	: Category2A
1,2-Ethanediol	: Category2B

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Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

Ethanol : Category1B

Garcinogenicity

1-Propanol : Category2

Toxic to reproduction

2-Propanol : Category2

Ethanol : Category1A

1-Propanol : Category2

Specific target organ systemic toxicity(single exposure)

Titanium dioxide : Category3

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)

Titanium dioxide : Category4

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.

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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.