

100208E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2017/05/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PC-5M Metallic red 19994-3712  
 [File No.] 100208E  
 [Date of issue] 2017/05/19  
 [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 : Not classified  
 Respiratory sensitizer : Classification not possible  
 Skin sensitizer : Classification not possible  
 Germ cell mutagenicity : Category 1  
 Carcinogenicity : Classification not possible  
 Toxic to reproduction : Category 1  
 Specific target organ systemic toxicity(single exposure) : Classification not possible  
 Specific target organ systemic toxicity(repeated exposure) : Category 1  
 Aspiration hazard : Not classified

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger  
 Hazard Statement : May cause genetic defects  
 : May damage fertility or the unborn child  
 : 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)  
 : Get medical advice/attention if you feel unwell.

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- : IF exposed or concerned: 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] | [Component parts] | Mixture<br>Ink[ Ink quantity of product :about 6.9g]<br>Concentration range(wt%) |
|--|-------------------|--|
| [Chemical nature]                                  | Cas No.           |  |
| Chemical name                                      |                   | 50-80  |
| Water  | 7732-18-5         | < 10   |
| Aluminum (as paste)                                | 7429-90-5         | < 10   |
| Glycerine  | 56-81-5           | < 10   |
| Propanol, 1-methoxy-                               | 107-98-2          | < 1  |
| 2-Propanol   | 67-63-0           | < 1  |
| Ethanol  | 64-17-5           | < 1  |
| 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 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                       |
|----------------------|------|-----------------------------|
| Aluminum (as paste)  | -    | (TWA)10ppm                  |
| Glycerine            | -    | (TWA)10mg/m <sup>3</sup>    |
| Propanol, 1-methoxy- | -    | (TWA)100ppm<br>(STEL)150ppm |

**[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         | : Metallic red                             |
| State         | : Liquid                                   |
| Odor          | : No information available.                |
| pH            | : about 8.3                                |
| 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.<br>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      | No information available.      |
| Respiratory sensitizer                 | No information available.      |
| Skin sensitizer                        | No information available.      |
| Germ cell mutagenicity                 |                                |
| Ethanol                                | : Category1B                   |
| Carcinogenicity                        | No information available.      |

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**Toxic to reproduction**

Polyethylene glycol nonylphenyl ether : Category2

2-Propanol : Category2

Ethanol : Category1A

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

No information available.

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

Aluminum (as paste) : 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.