SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-3M/5M/8K/17K Black (AUS)
[File No.] 100420E
[Date of issue] 2015/04/21
[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630 Emergency phone number: 03 9646 5630

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 : 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) : Classification not possible

[Label elements]
Pictogram : ⚠️

Signal Word : Danger
Hazard Statement : May cause genetic defects
 : Suspected of causing cancer
Precautionary Statement

- May damage fertility or the unborn child
- Causes damage to organs
- Causes damage to organs through prolonged or repeated exposure

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.
- 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: Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range(wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-80</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

4. First aid measures

- Description of first aid measures

<table>
<thead>
<tr>
<th>First aid measure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>Flush eyes with plenty of water for at least 15 minutes.</td>
</tr>
<tr>
<td></td>
<td>Take off the contact lens if possible</td>
</tr>
<tr>
<td></td>
<td>Consult medical advice depending on the symptoms.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Wash skin.</td>
</tr>
<tr>
<td></td>
<td>Consult medical advice depending on the symptoms.</td>
</tr>
<tr>
<td></td>
<td>Thoroughly clean and dry contaminated clothing and shoes before reuse.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.</td>
</tr>
<tr>
<td></td>
<td>Consult medical advice depending on the symptoms.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Due to its low vapor pressure inhalation is unlikely at room temperature.</td>
</tr>
<tr>
<td></td>
<td>If not feeling well, move to an area of fresh air and rest.</td>
</tr>
<tr>
<td></td>
<td>Consult medical advice depending on the symptoms.</td>
</tr>
</tbody>
</table>

- 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.

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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>−</td>
<td>(TWA)3.5mg/m³</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>−</td>
<td>(STEL)100mg/m³</td>
</tr>
</tbody>
</table>

[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**: Black
- **State**: Liquid
- **Odor**: slight odor
- **pH**: about 8.5
- **Boiling point**: No information available. [Water 100°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 1.1
- **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**
  - No information available.

- **Respiratory sensitizer**
  - No information available.

- **Skin sensitizer**
  - No information available.
Germ cell mutagenicity
Additive : Category 1B

Carcinogenicity
Carbon black : Category 2
Additive : Category 2

Toxic to reproduction
Additive : Category 1A

Specific target organ systemic toxicity (single exposure)
1,2-Ethanediol : Category 1
Additive : Category 1

Specific target organ systemic toxicity (repeated exposure)
Carbon black : Category 1
1,2-Ethanediol : Category 1
Additive : Category 1

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.
1. Product and Company Identification

[Product name] PC-1M/3M/5M/8K/17K White (AUS)
[File No.] 100321E
[Date of issue] 2015/04/21
[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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..
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.

3. Composition/information on ingredients

Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range(wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50–80</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463–67–7</td>
<td>10–30</td>
</tr>
<tr>
<td>1,2–Ethanediol</td>
<td>107–21–1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Silica (amorphous)</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

4. 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.

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℃

[Specific end use(s)] No information available.

8. Exposure controls/personal protection

[Control parameters]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m3</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>

[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: White
- State: Liquid
- Odor: slight odor
- pH: about 8.1
- Boiling point: No information available. [Water 100°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 1.3
- 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: Category 2B
- 1,2-Ethanediol: Category 2B
- Additive: Category 2A

Respiratory sensitizer
No information available.
Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category 1B

Carcinogenicity
Additive : Category 2

Toxic to reproduction
Additive : Category 1A

Specific target organ systemic toxicity (single exposure)
- Titanium dioxide : Category 3
- 1,2-Ethanediol : Category 1

Additive : Category 1

Specific target organ systemic toxicity (repeated exposure)
- Titanium dioxide : Category 1
- 1,2-Ethanediol : Category 1

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.

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SAFETY DATA SHEET

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<thead>
<tr>
<th>Product name</th>
<th>PC-3M/5M/8K/17K Blue (AUS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>File No.</td>
<td>100424E</td>
</tr>
<tr>
<td>Date of issue</td>
<td>2015/04/21</td>
</tr>
<tr>
<td>Details of Manufacture</td>
<td></td>
</tr>
<tr>
<td>Manufacture's name</td>
<td>MITSUBISHI PENCIL CO., LTD.</td>
</tr>
<tr>
<td>Address</td>
<td>5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN</td>
</tr>
<tr>
<td>Telephone number</td>
<td>03-3458-6281</td>
</tr>
<tr>
<td>Telefax number</td>
<td>03-3450-0363</td>
</tr>
</tbody>
</table>

[Details of Supplier]

| Supplier's name       | Mitsubishi Pencil Australia (ABN:31 085 515 671) |
| Address               | 674 Lorimar Street, Port Melbourne VIC 3207     |
| Telephone number      | 03 9646 5630                                    |
| Emergency phone number| 03 9646 5630                                    |

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 : Category 2
- Respiratory sensitizer : Classification not possible
- Skin sensitizer : Classification not possible
- Germ cell mutagenicity : Category 1
- Carcinogenicity : Category 2
- Toxic to reproduction : Category 1
- Specific target organ systemic toxicity (single exposure) : Category 1
- Specific target organ systemic toxicity (repeated exposure) : Category 1
- 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 : 

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Statement</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td></td>
<td>May cause genetic defects</td>
</tr>
</tbody>
</table>
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.
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.
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
Chemical name Cas No. Concentration range (wt%)
Water 7732-18-5 50–80
Titanium dioxide 13463-67-7 10–30
1,2-Ethanediol 107-21-1 <10
Additive Trade secret <10
Coloring agent Trade secret <10
Resin Trade secret <10

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.

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]
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m³</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m³</td>
</tr>
</tbody>
</table>

   [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]

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Blue</td>
</tr>
<tr>
<td>State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>slight odor</td>
</tr>
<tr>
<td>pH</td>
<td>about 8.4</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No information available. [Water 100°C]</td>
</tr>
<tr>
<td>Melting point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapor density (air=1)</td>
<td>No information available.</td>
</tr>
<tr>
<td>Density</td>
<td>about 1.2</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>soluble</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available.</td>
</tr>
<tr>
<td>Volatile</td>
<td>&gt;60%</td>
</tr>
</tbody>
</table>

[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 : Category 2B
- 1,2-Ethanediol : Category 2B
- Additive : Category 2A

Respiratory sensitizer
No information available.
Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category1B

Carcinogenicity
Additive : Category2

Toxic to reproduction
Additive : Category1A

Specific target organ systemic toxicity (single exposure)
1,2-Ethanediol : Category1
Additive : Category1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide : Category1
1,2-Ethanediol : Category1
Additive : 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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-1M/3M/5M/8K/17K Light blue (AUS)
[File No.] 100316E
[Date of issue] 2015/04/21

[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Category 2
Respiratory sensitizer : Classification not possible
Skin sensitizer : Classification not possible
Germ cell mutagenicity : Category 1
Carcinogenicity : Category 2
Toxic to reproduction : Category 1
Specific target organ systemic toxicity (single exposure) : Category 1
Specific target organ systemic toxicity (repeated exposure) : Category 1
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
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.
- 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-80</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10-30</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Silica (amorphous)</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

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.

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℃

[Specific end use(s)] No information available.

8. Exposure controls/personal protection

[Control parameters]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td></td>
<td>(TWA)10mg/m³</td>
</tr>
<tr>
<td>1,2-Ethandiol</td>
<td></td>
<td>(STEL)100mg/m³</td>
</tr>
</tbody>
</table>

[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
pH: about 8.4
Boiling point: No information available.[Water 100°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
1,2-Ethanediol: Category2B
Additive: Category2A
Respiratory sensitizer
No information available.
Skin sensitizer
   No information available.

Germ cell mutagenicity
Additive : Category1B

Carcinogenicity
Additive : Category2

Toxic to reproduction
Additive : Category1A

Specific target organ systemic toxicity (single exposure)
1,2-Ethanediol : Category1
Additive : Category1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide : Category1
1,2-Ethanediol : Category1
Additive : 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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-1M/3M/5M/8K/17K Red (AUS)
[File No.] 100318E
[Date of issue] 2015/04/21
[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630 Emergency phone number: 03 9646 5630

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 : Category 2
Respiratory sensitizer : Classification not possible
Skin sensitizer : Classification not possible
Germ cell mutagenicity : Category 1
Carcinogenicity : Category 2
Toxic to reproduction : Category 1
Specific target organ systemic toxicity(single exposure) : Category 1
Specific target organ systemic toxicity(repeated exposure) : Category 1
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
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.
- 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

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</tr>
</thead>
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<td>Water</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Additive</td>
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<td>&lt;10</td>
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<td>Trade secret</td>
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</tbody>
</table>

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.

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]
<table>
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<tr>
<th>Chemical name</th>
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<td>-</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>

   [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**: Red
- **State**: Liquid
- **Odor**: slight odor
- **pH**: about 8.2
- **Boiling point**: No information available. [Water 100°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 1.1
- **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: Category 2B
- 1,2-Ethanediol: Category 2B
- Additive: Category 2A

**Respiratory sensitizer**
No information available.
Skin sensitizer  
No information available.

Germ cell mutagenicity  
Additive : Category1B

Carcinogenicity  
Additive : Category2

Toxic to reproduction  
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  
Additive : 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 causion 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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-1M/3M/5M/8K/17K Yellow (AUS)
[File No.] 100310E
[Date of issue] 2015/04/21

[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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
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.
- 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.

3. Composition/information on ingredients

The chemical product is a substance or a mixture

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<th>Cas No.</th>
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<td>Resin</td>
<td>Trade secret</td>
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</tr>
<tr>
<td>Silica (amorphous)</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

4. 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.

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
1,2-Ethanediol - (STEL)100mg/m3

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°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 1.1
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 : Category 2B
1,2-Ethanediol : Category 2B
Additive : Category 2A

Respiratory sensitizer
No information available.
Skin sensitization
No information available.

Germ cell mutagenicity
Additive: Category 1B

Carcinogenicity
Additive: Category 2

Toxic to reproduction
Additive: Category 1A

Specific target organ systemic toxicity (single exposure)
1,2-Ethanediol: Category 1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide: Category 1
1,2-Ethanediol: Category 1
Additive: Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name]  PC-1M/3M/5M/8K/17K Green (AUS)
[File No.]  100309E
[Date of issue]  2015/04/21
[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

[Details of Supplier]

Supplier's name:  Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address:  674 Lorimar Street, Port Melbourne VIC 3207
Telephone number:  03 9646 5630
Emergency phone number:  03 9646 5630

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
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.
- 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

[Mixture] Chemical name | Chemical nature | Component parts | Concentration range (wt%)
--- | --- | --- | ---
Water | Ink | 7732-18-5 | 50-80
1,2-Ethanediol | Ink | 107-21-1 | <10
Titanium dioxide | Ink | 13463-67-7 | <10
Additive | Trade secret | <10
Coloring agent | Trade secret | <10
Resin | Trade secret | <10
Silica (amorphous) | Trade secret | <10

4. 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.

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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>–</td>
<td>(TWA)10mg/m³</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>–</td>
<td>(STEL)100mg/m³</td>
</tr>
</tbody>
</table>

[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**: Green
- **State**: Liquid
- **Odor**: slight odor
- **pH**: about 8.1
- **Boiling point**: No information available. [Water 100°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 1.1
- **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
- **1,2-Ethanediol**: Category2B
- **Additive**: Category2A

Respiratory sensitizer
No information available.
Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category1B

Carcinogenicity
Additive : Category2

Toxic to reproduction
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
Additive : 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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-1M/3M/5M/8K/17K Pink (AUS)
[File No.] 100320E
[Date of issue] 2015/04/21

[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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

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
   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**: Pink
- **State**: Liquid
- **Odor**: slight odor
- **pH**: about 8.0
- **Boiling point**: No information available. [Water 100°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 1.1
- **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: Category 2B
- 1,2-Ethanediol: Category 2B
- Additive: Category 2A

**Respiratory sensitizer**

No information available.
Skin sensitizer
   No information available.

Germ cell mutagenicity
   Additive : Category1B

Carcinogenicity
   Additive : Category2

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
   Additive : 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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-1M/3M/5M/8K Violet (AUS)
[File No.] 100422E
[Date of issue] 2015/04/21
[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

[Details of Supplier]

Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Category 2
Respiratory sensitizer : Classification not possible
Skin sensitizer : Classification not possible
Germ cell mutagenicity : Category 1
Carcinogenicity : Category 2
Toxic to reproduction : Category 1
Specific target organ systemic toxicity (single exposure) : Category 1
Specific target organ systemic toxicity (repeated exposure) : Category 1
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..
: 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 name] [Chemical nature] [Component parts] [Concentration range (wt%)]
Water 7732-18-5 Ink 50-80
Resin Trade secret 10-30
1,2-Ethanediol 107-21-1 <10
Titanium dioxide 13463-67-7 <10
Additive Trade secret <10
Coloring agent Trade secret <10
Silica (amorphous) 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.

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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m³</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m³</td>
</tr>
</tbody>
</table>

[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: Violet
State: Liquid
Odor: slight odor
pH: about 8.3
Boiling point: No information available. [Water 100°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 1.1
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: Category 2B
1,2-Ethanediol: Category 2B

Respiratory sensitizer
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.
1. Product and Company Identification

[Product name] PC-1M/3M/5M/8K Orange (AUS)
[File No.] 100323E
[Date of issue] 2015/04/21
[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

[Details of Supplier]
  Supplier's name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
  Address: 674 Lorimar Street, Port Melbourne VIC 3207
  Telephone number: 03 9646 5630
  Emergency phone number: 03 9646 5630

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
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.
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.
Get medical advice/attention if you feel unwell.
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 name | Component parts | Concentration range (wt%)
--- | --- | ---
Water | Ink | 50–80
Titanium dioxide | Ink | 10–30
1,2-Ethanediol | Ink | <10
Additive | Trade secret | <10
Coloring agent | Trade secret | <10
Resin | Trade secret | <10
Silica (amorphous) | Trade secret | <10

4. 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.

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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>−</td>
<td>(TWA)10mg/m3</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>−</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>

[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**: Orange
- **State**: Liquid
- **Odor**: slight odor
- **pH**: about 8.3
- **Boiling point**: No information available.
- **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**: Category 2B
- **1,2-Ethanediol**: Category 2B
- **Additive**: Category 2A

Respiratory sensitizer
No information available.
Skin sensitiser
   No information available.

Germ cell mutagenicity
   Additive : Category 1B

Carcinogenicity
   Additive : Category 2

Toxic to reproduction
   Additive : Category 1A

Specific target organ systemic toxicity (single exposure)
   1,2-Ethanediol : Category 1

Specific target organ systemic toxicity (repeated exposure)
   Titanium dioxide : Category 1
   1,2-Ethanediol : Category 1
   Additive : Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-1M/3M/5M/8K Light Green (AUS)
[File No.] 100311E
[Date of issue] 2015/04/21
[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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
Precautionary Statement

- Suspected of causing cancer
- May damage fertility or the unborn child
- Causes damage to organs
- Causes damage to organs through prolonged or repeated exposure

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.

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-80</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10-30</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Silica (amorphous)</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

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.

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]
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>–</td>
<td>(TWA)10mg/m³</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>–</td>
<td>(STEL)100mg/m³</td>
</tr>
</tbody>
</table>
   [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 green
- **State**: Liquid
- **Odor**: slight odor
- **pH**: about 8.0
- **Boiling point**: No information available. [Water 100°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: Category 2B
1,2-Ethanediol: Category 2B
Additive: Category 2A

Respiratory sensitizer:
No information available.
Skin sensitiser
  No information available.

Germ cell mutagenicity
  Additive : Category 1B

Carcinogenicity
  Additive : Category 2

Toxic to reproduction
  Additive : Category 1A

Specific target organ systemic toxicity (single exposure)
  1,2-Ethanediol : Category 1

Specific target organ systemic toxicity (repeated exposure)
  Titanium dioxide : Category 1
  1,2-Ethanediol : Category 1
  Additive : Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-1M/3M/5M/8K Brown (AUS)
[File No.] 100319E
[Date of issue] 2015/04/21

[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Category 2
Respiratory sensitizer : Classification not possible
Skin sensitizer : Classification not possible
Germ cell mutagenicity : Category 1
Carcinogenicity : Category 2
Toxic to reproduction : Category 1
Specific target organ systemic toxicity(single exposure) : Category 1
Specific target organ systemic toxicity(repeated exposure) : Category 1
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
Precautionary Statement

- Suspected of causing cancer
- May damage fertility or the unborn child
- Causes damage to organs
- Causes damage to organs through prolonged or repeated exposure

[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

<table>
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<tr>
<th>Chemical name</th>
<th>Cas No.</th>
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<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
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<td>&lt;10</td>
</tr>
</tbody>
</table>

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 byproducts. 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]
<table>
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<tr>
<th>Chemical name</th>
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<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m³</td>
</tr>
</tbody>
</table>
   [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**: Brown
- **State**: Liquid
- **Odor**: slight odor
- **pH**: about 8.1
- **Boiling point**: No information available. [Water 100°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**: Category 2B
- **1,2-Ethanediol**: Category 2B
- **Additive**: Category 2A

**Respiratory sensitizer**
No information available.
Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category 1B

Carcinogenicity
Additive : Category 2

Toxic to reproduction
Additive : Category 1A

Specific target organ systemic toxicity (single exposure)
1,2-Ethanediol : Category 1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide : Category 1
1,2-Ethanediol : Category 1
Additive : Category 1

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.
1. Product and Company Identification

[Product name] PC-3M/5M/8K Bright Yellow (AUS)
[File No.] 100388E
[Date of issue] 2015/04/21
[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

[Details of Supplier]

Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Category 2
Respiratory sensitizer : Classification not possible
Skin sensitizer : Classification not possible
Germ cell mutagenicity : Category 1
Carcinogenicity : Category 2
Toxic to reproduction : Category 1
Specific target organ systemic toxicity(single exposure) : Category 1
Specific target organ systemic toxicity(repeated exposure) : Category 1
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 : [Image]

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..
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
Chemical name  Cas No.  Concentration range(wt%)
Water  7732-18-5  50-80
1,2-Ethanediol  107-21-1  <10
Titanium dioxide  13463-67-7  <10
Additive  Trade secret  <10
Coloring agent  Trade secret  <10
Resin  Trade secret  <10

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.

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℃
   [Specific end use(s)] No information available.

8. Exposure controls/personal protection
   [Control parameters]
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m3</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>

   [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**: Bright yellow
- **State**: Liquid
- **Odor**: slight odor
- **pH**: about 8.2
- **Boiling point**: No information available.[Water 100℃]
- **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**: Category 2B
- **1,2-Ethanediol**: Category 2B
- **Additive**: Category 2A

Respiratory sensitizer

No information available.
Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category 1B

Carcinogenicity
Additive : Category 2

Toxic to reproduction
Additive : Category 1A

Specific target organ systemic toxicity (single exposure)
1,2-Ethanediol : Category 1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide : Category 1
1,2-Ethanediol : Category 1
Additive : Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-3M/5M/8K Ivory (AUS)
[File No.] 100375E
[Date of issue] 2015/04/21

[Details of Manufacture]
Manufacture's name: MITSUBISHI PENCIL CO., LTD.
Address: 5-23-37, HIGASHIOHOI, SHINAGAWA, TOKYO, JAPAN
Telephone number: 03-3458-6281 telefax number: 03-3450-0363

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Category 2
Respiratory sensitizer : Classification not possible
Skin sensitizer : Classification not possible
Germ cell mutagenicity : Category 1
Carcinogenicity : Category 2
Toxic to reproduction : Category 1
Specific target organ systemic toxicity(single exposure) : Category 1
Specific target organ systemic toxicity(repeated exposure) : Category 1
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..
: 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.

[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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50–80</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10–30</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Silica (amorphous)</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

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.

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]
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m³</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m³</td>
</tr>
</tbody>
</table>
   [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**: Ivory
- **State**: Liquid
- **Odor**: No information available.
- **pH**: No information available.
- **Boiling point**: No information available. [Water 100°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**: No information available.
- **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**: Category 2B
- **1,2-Ethanediol**: Category 2B
- **Additive**: Category 2A

[Respiratory sensitizer]
No information available.
Skin sensitizer  
No information available.

Germ cell mutagenicity  
Additive : Category 1B

Carcinogenicity  
Additive : Category 2

Toxic to reproduction  
Additive : Category 1A

Specific target organ systemic toxicity (single exposure)  
Titanium dioxide : Category 3  
1,2-Ethanediol : Category 1  
Additive : Category 1

Specific target organ systemic toxicity (repeated exposure)  
Titanium dioxide : Category 1  
1,2-Ethanediol : Category 1  
Additive : Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-3M/5M/8K Beige (AUS)
[File No.] 100372E
[Date of issue] 2015/04/21
[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

[Details of Supplier]

Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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..
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 easys to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Get medical advice/attention if you feel unwell.

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 name | Component parts | Concentration range (wt%)
---|---|---
Water | 7732-18-5 | 50-80
Titanium dioxide | 13463-67-7 | 10-30
1,2-Ethanediol | 107-21-1 | <10
Additive | Trade secret | <10
Resin | Trade secret | <10
Silica (amorphous) | Trade secret | <10
Coloring agent | Trade secret | <1

4. 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.

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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m3</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>

[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 : Beige
   State : Liquid
   Odor : No information available.
   pH : No information available.
   Boiling point : No information available. [Water 100°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 : No information available.
   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
       1,2-Ethanediol : Category2B
       Additive : Category2A
    Respiratory sensitizer No information available.
Skin sensitizer
   No information available.

Germ cell mutagenicity
   Additive : Category1B

Carcinogenicity
   Additive : Category2

Toxic to reproduction
   Additive : Category1A

Specific target organ systemic toxicity (single exposure)
   Titanium dioxide : Category3
   1,2-Ethanediol : Category1
   Additive : Category1

Specific target organ systemic toxicity (repeated exposure)
   Titanium dioxide : Category1
   1,2-Ethanediol : Category1
   Additive : 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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-3M/5M/8K Slate Grey (AUS)
[File No.] 100380E
[Date of issue] 2015/04/21

[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

[Details of Supplier]
Supplier’s name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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
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.
- 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range(wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-80</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10-30</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Silica (amorphous)</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

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.

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  |
     | 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**: slate gray
- **State**: Liquid
- **Odor**: No information available.
- **pH**: about 8.1
- **Boiling point**: No information available. [Water 100°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
  - 1,2-Ethanediol: Category2B
  - Additive: Category2A

- Respiratory sensitizer
  - No information available.
Skin sensitization
No information available.

Germ cell mutagenicity
Additive: Category 1B

Carcinogenicity
Additive: Category 2

Toxic to reproduction
Additive: Category 1A

Specific target organ systemic toxicity (single exposure)
1,2-Ethanediol: Category 1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide: Category 1
1,2-Ethanediol: Category 1
Additive: Category 1

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.
1. Product and Company Identification

[Product name] PC-3M/5M/8K Grey (AUS)
[File No.] 100417E
[Date of issue] 2015/04/21
[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
[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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
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.
- 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.

3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

[Chemical name] [Chemical nature] [Component parts] Concentration range (wt%)
Water Ink 7732-18-5 50–80
Titanium dioxide Ink 13463-67-7 10–30
1,2-Ethanediol Ink 107-21-1 <10
Additive Ink Trade secret <10
Resin Ink Trade secret <10
Silica (amorphous) Ink Trade secret <10
Carbon black Ink 1333-86-4 <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.

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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>–</td>
<td>(TWA)10mg/m3</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>–</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>

[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**: Gray
- **State**: Liquid
- **Odor**: slight odor
- **pH**: about 8.5
- **Boiling point**: No information available. [Water 100°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 1.3
- **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**: Category 2B
- **1,2-Ethanediol**: Category 2B
- **Additive**: Category 2A

Respiratory sensitizer
No information available.
Skin sensitizers
No information available.

Germ cell mutagenicity
Additive: Category 1B

Carcinogenicity
Carbon black: Category 2
Additive: Category 2

Toxic to reproduction
Additive: Category 1A

Specific target organ systemic toxicity (single exposure)
Titanium dioxide: Category 3
1,2-Ethanediol: Category 1
Additive: Category 1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide: Category 1
1,2-Ethanediol: Category 1
Additive: Category 1

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.
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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-3M/5M/8K Red Wine (AUS)
[File No.] 100378E
[Date of issue] 2015/04/21
[Details of Manufacture]
Manufacture’s name: MITSUBISHI PENCIL CO., LTD.
Address: 5-23-37, HIGASHI-OHI, SHINAGAWA, TOKYO, JAPAN
Telephone number: 03-3458-6281 telefax number: 03-3450-0363

[Details of Supplier]
Supplier’s name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Category 2
Respiratory sensitizer : Classification not possible
Skin sensitizer : Classification not possible
Germ cell mutagenicity : Category 1
Carcinogenicity : Category 2
Toxic to reproduction : Category 1
Specific target organ systemic toxicity(single exposure) : Category 1
Specific target organ systemic toxicity(repeated exposure) : Category 1
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 : [Image]
Signal Word : Danger
Hazard Statement : Causes serious eye damage
May cause genetic defects
PC-3M/5M/8K Red Wine (AUS)  
MITSUBISHI PENCIL CO., LTD.  
[Date of issue]: 2015/04/21

: 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.  
: 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range(wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-80</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10-30</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Silica (amorphous)</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

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.

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]
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m3</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>

   [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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Red wine</td>
</tr>
<tr>
<td>State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>about 8.1</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density (air=1)</td>
<td>No information available</td>
</tr>
<tr>
<td>Density</td>
<td>about 1.2</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>soluble</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Volatile</td>
<td>&gt;60%</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

<table>
<thead>
<tr>
<th>Stability and reactivity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>This mixture is stable in normal temperature, a condition of the pressure.</td>
</tr>
<tr>
<td>Reactivity</td>
<td>No data available.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Avoid heat, flames, sparks and other sources of ignition.</td>
</tr>
<tr>
<td></td>
<td>Avoid direct sunlight and high temperature.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>No information available.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>No information available.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

11. Toxicological information

<table>
<thead>
<tr>
<th>Toxicological information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Not classified: &gt;2000 mg/kg (estimate value)</td>
</tr>
<tr>
<td>Acute toxicity (skin)</td>
<td>Not classified: &gt;2000 mg/kg (estimate value)</td>
</tr>
<tr>
<td>Acute toxicity (inhalation: vapours)</td>
<td>Not classified: &gt;20 mg/L (estimate value)</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>No information available.</td>
</tr>
<tr>
<td>Serious eye damage / Eye irritation</td>
<td>Titanium dioxide: Category 2B</td>
</tr>
<tr>
<td></td>
<td>1,2-Ethanediol: Category 2B</td>
</tr>
<tr>
<td></td>
<td>Additive: Category 2A</td>
</tr>
<tr>
<td>Respiratory sensitizer</td>
<td>No information available.</td>
</tr>
</tbody>
</table>
Skin sensitizer
   No information available.

Germ cell mutagenicity
   Additive : Category 1B

Carcinogenicity
   Carbon black : Category 2
   Additive : Category 2

Toxic to reproduction
   Additive : Category 1A

Specific target organ systemic toxicity (single exposure)
   1,2-Ethanediol : Category 1

Specific target organ systemic toxicity (repeated exposure)
   Titanium dioxide : Category 1
   1,2-Ethanediol : Category 1
   Additive : Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-3M/5M/8K Light Orange (AUS)
[File No.] 100381E
[Date of issue] 2015/04/21
[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

[Details of Supplier]
Supplier’s name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Category 2
Respiratory sensitizer : Classification not possible
Skin sensitizer : Classification not possible
Germ cell mutagenicity : Category 1
Carcinogenicity : Category 2
Toxic to reproduction : Category 1
Specific target organ systemic toxicity(single exposure) : Category 1
Specific target organ systemic toxicity(repeated exposure) : Category 1
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.
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

Chemical name | Cas No. | Concentration range(wt%)
---|---|---
Water | 7732-18-5 | 50–80
Titanium dioxide | 13463-67-7 | 10–30
1,2-Ethanediol | 107-21-1 | <10
Additive | Trade secret | <10
Resin | Trade secret | <10
Silica (amorphous) | Trade secret | <10
Coloring agent | Trade secret | <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.

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℃

[Specific end use(s)] No information available.

8. Exposure controls/personal protection

[Control parameters]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m³</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m³</td>
</tr>
</tbody>
</table>

[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 orange
- **State**: Liquid
- **Odor**: slight odor
- **pH**: about 8.1
- **Boiling point**: No information available. (Water 100°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**: Category 2B
- **1,2-Ethanediol**: Category 2B
- **Additive**: Category 2A

Respiratory sensitiser
No information available.
Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category1B

Carcinogenicity
Additive : Category2

Toxic to reproduction
Additive : Category1A

Specific target organ systemic toxicity(single exposure)
Titanium dioxide : Category3
1,2-Ethanediol : Category1
Additive : Category1

Specific target organ systemic toxicity(repeated exposure)
Titanium dioxide : Category1
1,2-Ethanediol : Category1
Additive : 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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-3M/5M Sky Blue (AUS)
[File No.] 100379E
[Date of issue] 2015/04/21
[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

[Details of Supplier]

Supplier's name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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..
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.
Get medical advice/attention if you feel unwell.

[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
Chemical name Cas No. Concentration range (wt%)
Water 7732-18-5 50-80
Titanium dioxide 13463-67-7 10-30
1,2-Ethanediol 107-21-1 <10
Additive Trade secret <10
Coloring agent Trade secret <10
Resin Trade secret <10

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.

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 (TWA)10mg/m³ | (STEL)100mg/m³
  - Titanium dioxide | - | -
  - 1,2-Ethanediol | - | -

- **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**: Sky blue
- **State**: Liquid
- **Odor**: No information available.
- **pH**: about 8.6
- **Boiling point**: No information available. [Water 100°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: Category 2B
  - 1,2-Ethanediol: Category 2B
  - Additive: Category 2A

- **Respiratory sensitizer**
  - No information available.
Skin sensitizer  
No information available.

Germ cell mutagenicity  
Additive : Category1B

Carcinogenicity  
Additive : Category2

Toxic to reproduction  
Additive : Category1A

Specific target organ systemic toxicity (single exposure)  
Titanium dioxide : Category3  
1,2-Ethanediol : Category1  
Additive : Category1

Specific target organ systemic toxicity (repeated exposure)  
Titanium dioxide : Category1  
1,2-Ethanediol : Category1  
Additive : 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.
1. Product and Company Identification

[Product name] PC-3M/5M Lilac (AUS)
[File No.] 100377E
[Date of issue] 2015/04/21

[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

[Details of Supplier]
Supplier’s name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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..
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.
Get medical advice/attention if you feel unwell.

3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

[Chemical nature] [Component parts] Ink

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50–80</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10–30</td>
</tr>
<tr>
<td>1,2–Ethanediol</td>
<td>107-21-1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Silica (amorphous)</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

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.

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]
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m³</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m³</td>
</tr>
</tbody>
</table>
   [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 : Lilac
State : Liquid
Odor : No information available.
pH : about 8.1
Boiling point : No information available.[Water 100℃]
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
1,2-Ethanediol : Category2B
Additive : Category2A

Respiratory sensitizer
No information available.
Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category 1B

Carcinogenicity
Additive : Category 2

Toxic to reproduction
Additive : Category 1A

Specific target organ systemic toxicity (single exposure)
Titanium dioxide : Category 3
1,2-Ethanediol : Category 1
Additive : Category 1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide : Category 1
1,2-Ethanediol : Category 1
Additive : Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-3M/5M Light Pink (AUS)
[File No.] 100376E
[Date of issue] 2015/04/21

[Details of Manufacture]
Manufacture's name: MITSUBISHI PENCIL CO., LTD.
Address: 5-23-37, HIGASHIOJI, SHINAGAWA, TOKYO, JAPAN
Telephone number: 03-3458-6281 telefax number: 03-3450-0363

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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
PC-3M/5M Light Pink (AUS)  
MITSUBISHI PENCIL CO., LTD.  
[Date of issue]: 2015/04/21

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

: 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.

[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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Concentration range(wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
</tr>
</tbody>
</table>

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.

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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m3</td>
</tr>
<tr>
<td>1,2-Ethandiol</td>
<td>-</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>

[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: Pink
State: Liquid
Odor: No information available.
pH: about 8.1
Boiling point: No information available. [Water 100°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: Category 2B
1,2-Ethanediol: Category 2B
Additive: Category 2A
Respiratory sensitizer
No information available.
Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category 1B

Carcinogenicity
Additive : Category 2

Toxic to reproduction
Additive : Category 1A

Specific target organ systemic toxicity (single exposure)
Titanium dioxide : Category 3
1,2-Ethanediol : Category 1
Additive : Category 1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide : Category 1
1,2-Ethanediol : Category 1
Additive : Category 1

Aspiration hazard
No information available.

Hazard to the Aquatic Environment (Acute)
No information available.

Hazard to the Aquatic Environment (Chronic)
Titanium dioxide : Category 4

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-3M/5M Apple Green (AUS)
[File No.] 100371E
[Date of issue] 2015/04/21

[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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
PC-3M/5M Apple Green (AUS)  MITSUBISHI PENCIL CO., LTD.  [Date of issue]: 2015/04/21

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..
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.
Get medical advice/attention if you feel unwell.

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
Chemical name Cas No. Concentration range (wt%)
Water 7732-18-5 50–80
Titanium dioxide 13463-67-7 10–30
1,2-Ethanediol 107-21-1 <10
Additive Trade secret <10
Coloring agent Trade secret <10
Resin Trade secret <10
Silica (amorphous) Trade secret <10

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.

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℃
   [Specific end use(s)] No information available.

8. Exposure controls/personal protection
   [Control parameters]
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>-</td>
<td>(TWA)10mg/m3</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>-</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>
   [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 green
State : Liquid
Odor : No information available.
pH : No information available.
Boiling point : No information available.[Water 100℃]
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 : No information available.
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 : Category 2B
1,2-Ethanediol : Category 2B
Additive : Category 2A

Respiratory sensitizer No information available.
Skin sensitization
No information available.

Germ cell mutagenicity
Additive: Category 1B

Carcinogenicity
Additive: Category 2

Toxic to reproduction
Additive: Category 1A

Specific target organ systemic toxicity (single exposure)
1,2-Ethanediol: Category 1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide: Category 1
1,2-Ethanediol: Category 1
Additive: Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-3M/5M Emerald Green (AUS)
[File No.] 100374E
[Date of issue] 2015/04/21

[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Category 2
Respiratory sensitizer : Classification not possible
Skin sensitizer : Classification not possible
Germ cell mutagenicity : Category 1
Carcinogenicity : Category 2
Toxic to reproduction : Category 1
Specific target organ systemic toxicity (single exposure) : Category 1
Specific target organ systemic toxicity (repeated exposure) : Category 1
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..
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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range(wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-80</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10-30</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>10-30</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Polyethylene glycol nonylphenyl ether</td>
<td>9016-45-9</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

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.

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]
<table>
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<tr>
<th>Chemical name</th>
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<tr>
<td>Titanium dioxide</td>
<td>–</td>
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</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>–</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>
   [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**: Emerald green
- **State**: Liquid
- **Odor**: No information available.
- **pH**: about 8.1
- **Boiling point**: No information available. [Water 100°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**: Category 2B
- **1,2-Ethanediol**: Category 2B
- **Additive**: Category 2A

Respiratory sensitizer
No information available.
Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category1B

Carcinogenicity
Additive : Category2

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
Additive : 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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-5M/8K Straw Yellow (AUS)
[File No.] 100413E
[Date of issue] 2015/04/21
[Details of Manufacture]
Manufacture’s name: MITSUBISHI PENCIL CO., LTD.
Address: 5-23-37, HIGASHIHI, SHINAGAWA, TOKYO, JAPAN
Telephone number: 03-3458-6281 telefax number: 03-3450-0363

[Details of Supplier]
Supplier’s name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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: Category 2
Respiratory sensitizer: Classification not possible
Skin sensitizer: Classification not possible
Germ cell mutagenicity: Category 1
Carcinogenicity: Category 2
Toxic to reproduction: Category 1
Specific target organ systemic toxicity(single exposure): Category 1
Specific target organ systemic toxicity(repeated exposure): Category 1
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
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.
: 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range(wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-80</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10-30</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Silica (amorphous)</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

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.

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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>–</td>
<td>(TWA)10mg/m3</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>–</td>
<td>(STEL)100mg/m3</td>
</tr>
</tbody>
</table>

[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: No information available.
Boiling point: No information available. [Water 100°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: No information available.
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: Category 2B
1,2-Ethanediol: Category 2B
Additive: Category 2A
Respiratory sensitizer No information available.
Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category1B

Carcinogenicity
Additive : Category2

Toxic to reproduction
Additive : Category1A

Specific target organ systemic toxicity (single exposure)
1,2-Ethanediol : Category1
Additive : Category1

Specific target organ systemic toxicity (repeated exposure)
Titanium dioxide : Category1
1,2-Ethanediol : Category1
Additive : 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.
SAFETY DATA SHEET

1. Product and Company Identification
   [Product name] PC-5M/8K Gold (AUS)
   [File No.] 100418E
   [Date of issue] 2015/04/21
   [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
   [Details of Supplier]
   Supplier’s name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
   Address: 674 Lorimar Street, Port Melbourne VIC 3207
   Telephone number: 03 9646 5630
   Emergency phone number: 03 9646 5630

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 : Category1
   Carcinogenicity : Classification not possible
   Toxic to reproduction : Category1
   Specific target organ systemic toxicity(single exposure) : Classification not possible
   Specific target organ systemic toxicity(repeated exposure) : Category1
   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
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.
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] Mixture

[Chemical nature] [Component parts] Ink

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-80</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>10-30</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>10-30</td>
</tr>
<tr>
<td>Aluminum (as paste)</td>
<td>7429-90-5</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

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.
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]
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum (as paste)</td>
<td>-</td>
<td>(TWA)10ppm</td>
</tr>
</tbody>
</table>

[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: Gold
State: Liquid
Odor: slight odor
pH: about 8.4
Boiling point: No information available.[Water 100°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 1.1
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
No information available.

Respiratory sensitizer
No information available.

Skin sensitizer
No information available.

Germ cell mutagenicity
Additive : Category1B

Carcinogenicity
No information available.

Toxic to reproduction
Additive : Category1A
Specific target organ systemic toxicity (single exposure)
No information available.

Specific target organ systemic toxicity (repeated exposure)
Aluminum (as paste) : Category I

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.
SAFETY DATA SHEET

1. Product and Company Identification

   [Product name] PC-5M/8K Silver (AUS)
   [File No.] 100419E
   [Date of issue] 2015/04/21
   [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

   [Details of Supplier]
   Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
   Address: 674 Lorimar Street, Port Melbourne VIC 3207
   Telephone number: 03 9646 5630
   Emergency phone number: 03 9646 5630

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 : Classification not possible
   Carcinogenicity : Classification not possible
   Toxic to reproduction : Category 2
   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 : Suspected of damaging 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.
- 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

<table>
<thead>
<tr>
<th>Component parts</th>
<th>Chemical name</th>
<th>Concentration range (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ink</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-80</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>10-30</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>10-30</td>
</tr>
<tr>
<td>Aluminum (as paste)</td>
<td>7429-90-5</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Polyethylene glycol nonylphenyl ether</td>
<td>9016-45-9</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

4. 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.
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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum (as paste)</td>
<td>-</td>
<td>(TWA)10ppm</td>
</tr>
</tbody>
</table>

[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 : Silver

State : Liquid

Odor : slight odor

pH : about 8.4

Boiling point : No information available.[Water 100°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 1.1
Solubility in water : soluble
Evaporation rate : No information available.
Volatile : >70%

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 No information available.
Respiratory sensitizer No information available.
Skin sensitizer No information available.
Germ cell mutagenicity No information available.
Carcinogenicity No information available.
Toxic to reproduction Polyethylene glycol nonylphenyl ether : Category2 Additive : Category2
Specific target organ systemic toxicity (single exposure)
   No information available.

Specific target organ systemic toxicity (repeated exposure)
   Aluminum (as paste) : Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name]  PC-5M/8K Bronze (AUS)
[File No.]  100400E
[Date of issue]  2015/04/21
[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

[Details of Supplier]
Supplier's name:  Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address:  674 Lorimar Street, Port Melbourne VIC 3207
Telephone number:  03 9646 5630
Emergency phone number:  03 9646 5630

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  :  Classification not possible
Carcinogenicity  :  Classification not possible
Toxic to reproduction  :  Category 2
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  :  Suspected of damaging 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.
- 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] Mixture

[Chemical nature] Component parts Ink

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
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<td>50–80</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>10–30</td>
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<td>Resin</td>
<td>Trade secret</td>
<td>10–30</td>
</tr>
<tr>
<td>Aluminum (as paste)</td>
<td>7429–90–5</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Polyethylene glycol nonylphenyl ether</td>
<td>9016–45–9</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

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.
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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum (as paste)</td>
<td>-</td>
<td>(TWA)10ppm</td>
</tr>
</tbody>
</table>

[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 : Bronze
State : Liquid
pH : about 8.2
Boiling point : No information available.[Water 100°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 1.1
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
No information available.

Respiratory sensitizer
No information available.

Skin sensitizer
No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Toxic to reproduction
Polyethylene glycol nonylphenyl ether: Category 2
Additive: Category 2
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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-5M/8K Metallic Blue (AUS)
[File No.] 100405E
[Date of issue] 2015/04/21
[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
[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630 Emergency phone number: 03 9646 5630

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: Classification not possible
Carcinogenicity: Classification not possible
Toxic to reproduction: Category2
Specific target organ systemic toxicity(single exposure): Classification not possible
Specific target organ systemic toxicity(repeated exposure): Category1
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: Suspected of damaging 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.
- 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] Mixture

[Chemical nature] Component parts Ink

Chemical name | Cas No. | Concentration range (wt%)
--- | --- | ---
Water | 7732-18-5 | 50-80
Additive | Trade secret | 10-30
Resin | Trade secret | 10-30
Aluminum (as paste) | 7429-90-5 | <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.
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℃

[Specific end use(s)] No information available.

8. Exposure controls/personal protection

[Control parameters]
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum (as paste)</td>
<td>-</td>
<td>(TWA)10ppm</td>
</tr>
</tbody>
</table>

[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 Blue
State : Liquid
Odor : No information available.
pH : about 8.3
Boiling point : No information available.[Water 100℃]
Melting point : No information available.
Flash point : 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
No information available.

Respiratory sensitizer
No information available.

Skin sensitizer
No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Toxic to reproduction
Polyethylene glycol nonylphenyl ether : Category 2
Additive : Category 2
Specific target organ systemic toxicity (single exposure)  
No information available.

Specific target organ systemic toxicity (repeated exposure)  
Aluminum (as paste) : Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-5M/8K Metallic Pink (AUS)
[File No.] 100407E
[Date of issue] 2015/04/21
[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Classification not possible
Carcinogenicity : Classification not possible
Toxic to reproduction : Category2
Specific target organ systemic toxicity(single exposure) : Classification not possible
Specific target organ systemic toxicity(repeated exposure) : Category1
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 : Suspected of damaging 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.
: 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] Mixture

[Chemical nature] [Component parts] Ink

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Cas No.</th>
<th>Concentration range(wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50–80</td>
</tr>
<tr>
<td>Additive</td>
<td>Trade secret</td>
<td>10–30</td>
</tr>
<tr>
<td>Resin</td>
<td>Trade secret</td>
<td>10–30</td>
</tr>
<tr>
<td>Aluminum (as paste)</td>
<td>7429-90-5</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Coloring agent</td>
<td>Trade secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Polyethylene glycol nonylphenyl ether</td>
<td>9016-45-9</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

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.
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]

<table>
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<tr>
<th>Chemical name</th>
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</tr>
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<tbody>
<tr>
<td>Aluminum (as paste)</td>
<td>–</td>
<td>(TWA)10ppm</td>
</tr>
</tbody>
</table>

[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 Pink
State : Liquid
Odor : No information available.
pH : about 8.3
Boiling point : No information available.[Water 100°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 1.1
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
No information available.

Respiratory sensitizer
No information available.

Skin sensitizer
No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Toxic to reproduction
Polyethylene glycol nonylphenyl ether : Category2
Additive : Category2
Specific target organ systemic toxicity (single exposure)
  No information available.

Specific target organ systemic toxicity (repeated exposure)
  Aluminum (as paste) : Category 1

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
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SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-5M/8K Metallic Red (AUS)
[File No.] 100408E
[Date of issue] 2015/04/21

[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

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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 : Category1
Carcinogenicity : Classification not possible
Toxic to reproduction : Category1
Specific target organ systemic toxicity(single exposure) : Classification not possible
Specific target organ systemic toxicity(repeated exposure) : Category1
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
Precautionary Statement

Causes damage to organs through prolonged or repeated exposure

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.

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] Mixture

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<th>Chemical name</th>
<th>Cas No.</th>
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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.

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**
  
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
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<tr>
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</table>

- **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**: Red
- **State**: Liquid
- **Odor**: No information available.
- **pH**: about 8.3
- **Boiling point**: No information available.[Water 100℃]
- **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**
  - No information available.

- **Respiratory sensitizer**
  - No information available.
Skin sensitizer
   No information available.

Germ cell mutagenicity
   Additive : Category 1B

Carcinogenicity
   No information available.

Toxic to reproduction
   Polyethylene glycol nonylphenyl ether : Category 2
   Additive : Category 1A

Specific target organ systemic toxicity (single exposure)
   No information available.

Specific target organ systemic toxicity (repeated exposure)
   Aluminum (as paste) : Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-5M/8K Metallic Green (AUS)

[File No.] 100406E

[Date of issue] 2015/04/21

[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

[Details of Supplier]
Supplier's name: Mitsubishi Pencil Australia (ABN:31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Category1
Carcinogenicity : Classification not possible
Toxic to reproduction : Category1
Specific target organ systemic toxicity(single exposure) : Classification not possible
Specific target organ systemic toxicity(repeated exposure) : Category1
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

1/5
Precautionary Statement

: Causes damage to organs through prolonged or repeated exposure

: 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.
: IF exposed or concerned: Get medical advice/attention.

[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

Chemical name Cas No. Concentration range (wt%)
Water 7732-18-5 50-80
Additive Trade secret 10-30
Resin Trade secret 10-30
Aluminum (as paste) 7429-90-5 <10
Coloring agent Trade secret <10

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.
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]

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum (as paste)</td>
<td>-</td>
<td>(TWA)10ppm</td>
</tr>
</tbody>
</table>

[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]

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Metallic Green</td>
</tr>
<tr>
<td>State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>No information available.</td>
</tr>
<tr>
<td>pH</td>
<td>about 8.3</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No information available. [Water 100°C]</td>
</tr>
<tr>
<td>Melting point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available.</td>
</tr>
</tbody>
</table>
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 : No information available.
Respiratory sensitizer : No information available.
Skin sensitizer : No information available.
Germ cell mutagenicity : Additive : Category 1B
Carcinogenicity : No information available.
Toxic to reproduction : Additive : Category 1A
Specific target organ systemic toxicity (single exposure)
No information available.

Specific target organ systemic toxicity (repeated exposure)
Aluminum (as paste) : Category 1

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.
SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PC-5M/8K Metallic Violet (AUS)

[File No.] 100409E

[Date of issue] 2015/04/21

[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

[Details of Supplier]
Supplier’s name: Mitsubishi Pencil Australia (ABN: 31 085 515 671)
Address: 674 Lorimar Street, Port Melbourne VIC 3207
Telephone number: 03 9646 5630
Emergency phone number: 03 9646 5630

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 : Classification not possible
Carcinogenicity : Classification not possible
Toxic to reproduction : Category2
Specific target organ systemic toxicity(single exposure) : Classification not possible
Specific target organ systemic toxicity(repeated exposure) : Category1
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 : ![Pictogram]

Signal Word : Danger
Hazard Statement : Suspected of damaging 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.
: 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] Mixture

[Chemical nature] [Component parts] Ink

Chemical name Cas No. Concentration range(wt%)
Water 7732-18-5 50-80
Additive Trade secret 10-30
Resin Trade secret 10-30
Aluminum (as paste) 7429-90-5 <10
Coloring agent Trade secret <10

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.
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℃
   [Specific end use(s)] No information available.

8. Exposure controls/personal protection
   [Control parameters]
   Chemical name         OSHA                  ACGIH
   Aluminum (as paste)   –                        (TWA)10ppm
   [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 Violet
   State                  : Liquid
   Odor                   : No information available.
   pH                     : about 8.4
   Boiling point          : No information available.[Water 100℃]
   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%

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.
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[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
No information available.

Carcinogenicity
No information available.

Toxic to reproduction
Additive : Category2
Specific target organ systemic toxicity (single exposure)
No information available.

Specific target organ systemic toxicity (repeated exposure)
Aluminum (as paste) : Category 1

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]
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