1. Product and Company Identification

# SAFETY DATA SHEET

|                                   | party Identification                                   |  |                                       |   |
|-----------------------------------|--|--|---------------------------------------|---|
| [Product name]                    | UMN-207 MICRO  | Black  |                                       |   |
| [File No.]                        | 305137E  |  |                                       |   |
| [Date of issue]                   | 2015/02/12   |  |                                       |   |
| [Details of Manufact              | ure]   |  |                                       |   |
|                                   | Manufacture's name:                                    | MITSUBISHI PENCIL  | CO., LTD.                             |   |
|                                   | Address:   | 5–23–37, HIGASHIOH   | HI, SHINAGAWA, TOKYO, JAPAN           |   |
|                                   | Telephone number:<br>(Only office hour are available.) | 03-3458-6281   | telefax number: 03-3450-036           | 3 |
|                                   | (Only office hour are available.)                      |  |                                       |   |
|                                   |  |  |                                       |   |
| 2. Hazards identifica             | tion   |  |                                       |   |
| Information of this               | s section is about the ink.                            |  |                                       |   |
| [Classification of t              | the substance or mixture                               | ]  |                                       |   |
| PHYSICO-CHE                       | MICAL HAZARDS  |  |                                       |   |
| Not applicabl                     | e.   |  |                                       |   |
| HEALTH HAZA                       | RDS  |  |                                       |   |
| Acute toxicit                     | y(oral)  |  | : Not classified                      |   |
| Acute toxicit                     | y(skin)  |  | : Not classified                      |   |
| Acute toxicit                     | y(inhalation steam)                                    |  | : Not classified                      |   |
| Skin corrosio                     | n/irritation   |  | : Not classified                      |   |
| Serious eye                       | damage/Eye Irritation                                  |  | : Not classified                      |   |
| Respiratory s                     | sensitizer   |  | : Classification not possible         |   |
| Skin sensitize                    | er   |  | : Classification not possible         |   |
| Germ cell mu                      | Itagenicity  |  | : Classification not possible         |   |
| Carcinogenic                      | ity  |  | : Classification not possible         |   |
| Toxic to reproduction             |  | : Category2  |                                       |   |
| Specific targ                     | et organ systemic toxicity                             | (single exposure)  | : Category1                           |   |
| Specific targ                     | et organ systemic toxicity                             | (repeated exposure)  | : Category1                           |   |
| Aspiration ha                     | zard   |  | : Classification not possible         |   |
| ENVIRONMENT                       | AL HAZARDS   |  |                                       |   |
| Hazard to the                     | e Aquatic Environment (A                               | (cute)   | : Not classified                      |   |
| Hazard to the                     | e Aquatic Environment (C                               | Chronic)   | : Classification not possible         |   |
| [Label elements]                  |  |  |                                       |   |
| Pictogram                         | :  |  |                                       |   |
|                                   |  |  |                                       |   |
|                                   |  |  |                                       |   |
| Signal Word                       | : Danger   |  |                                       |   |
| Hazard Stateme                    |  | ted of damaging fertility  | v or the unborn child                 |   |
| : Causes damage to organs         |  |  |                                       |   |
|                                   |  | : Causes damage to organs through prolonged or repeated exposure |                                       |   |
| Precautionary S                   |  |  |                                       |   |
|                                   |  | breathe dust/vapours e   | etc                                   |   |
|                                   |  | eat, drink or smoke whe  |                                       |   |
|                                   |  |  | nent as required.(Refer to Section 8) |   |
| : Get medical advice/attention if |  |  |                                       |   |
|                                   |  |  | -                                     |   |
|                                   |  |  |                                       |   |

|                 | : 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[ Ink quantity of product :about 1.1g] |
| Chemical name                                      | Cas No.           | Concentration range(wt%)                  |
| Water  | 7732-18-5         | 50-80                                     |
| Diethylene glycol                                  | 111-46-6          | 10-30                                     |
| 1,2-Ethanediol                                     | 107-21-1          | <10                                       |
| Carbon black                                       | 1333-86-4         | <10                                       |
| Additive   | Trade secret      | <10                                       |
| Resin  | Trade secret      | <10                                       |
|  |                   |   |

### 4. First aid measures

| [Description of first aid measure  |   |   |
|--|---|---|
| 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<br>as compound is not likely to be hazardous by ingestion. | ł |
|  | 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 e   | cts, 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 s | 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 windward direction.   |
| [Environmental precautions]         | Collect leaked material in empty container after leading outflow to a safe area containing earth and sand. |
|                                     | Do not allow leaked material to pollute rivers, lakes, etc.  |
| [Methods and material for contain   | nment 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.                                 |
|                                     | Don't shake.   |
| [Conditions for safe storage, inclu |  |
|                                     |  |
|                                     | 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          |
|----------------|------|----------------|
| Carbon black   | -    | (TWA)3.5mg/m3  |
| 1,2-Ethanediol | -    | (STEL)100mg/m3 |

## [Exposure controls]

| : Not required. |
|-----------------|
| : Not required. |
|                 |

# 9. Physical and chemical properties

| 5                        | •  |
|--------------------------|--|
| [Imformation on basic pl | sical and chemical properties]           |
| Color                    | : Black                                  |
| State                    | : Liquid                                 |
| Odor                     | : No information available.              |
| pН                       | : about 7.3                              |
| Boiling point            | : No information available.[Water 100°C] |
| Melting point            | : No information available.              |
|                          |  |

| Flash point              | : No information available.[Diethylene glycol 149°C] |
|--------------------------|--|
| Autoignition temperature | : No information available.[Diethylene glycol 365°C] |
| Explosion limits         | : No information available.                          |
| Vapor density(air=1)     | : No information available.                          |
| Density                  | : about 1.1  |
| Solubility in water      | : No information available.                          |
| Evaporation rate         | : No information available.                          |
| Volatile                 | : >80%   |
| [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                  |                                |
| Diethylene glycol                      | : Category2                    |
|  |                                |

Specific target organ systemic toxicity(single exposure)

1,2-Ethanediol : Category1

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

| 1,2-Ethanediol | : Category1 |
|----------------|-------------|
|                |             |

Diethylene glycol : 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]                      | 960860  |
| [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"

- 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 Com<br>[Product name]<br>[File No.]<br>[Date of issue]<br>[Details of Manufact | UMN-207 MICRO<br>305138E<br>2015/02/12                                       | MITSUBISHI PENCIL CO        |  |
|---|--|-----------------------------|--|
|   | Address:<br>Telephone number:  |                             | SHINAGAWA, TOKYO, JAPAN<br>elefax number: 03-3450-0363 |
|   | (Only office hour are available.)  |                             |  |
| [Classification of t  | tion<br>section is about the ink<br>he substance or mixture<br>MICAL HAZARDS |                             |  |
| Not applicabl   |  |                             |  |
| HEALTH HAZA   |  |                             |  |
| Acute toxicit   | y(oral)  |                             | : Not classified                                       |
| Acute toxicit   | y(skin)  |                             | : Not classified                                       |
| Acute toxicit   | y(inhalation steam)  |                             | : Not classified                                       |
| Skin corrosio   | n/irritation   |                             | : Classification not possible                          |
| Serious eye o   | lamage/Eye Irritation  |                             | : Classification not possible                          |
| Respiratory sensitizer  |  |                             | : Classification not possible                          |
| Skin sensitizer   |  |                             | : Classification not possible                          |
| Germ cell mu  | tagenicity   |                             | : Classification not possible                          |
| Carcinogenic  | ty   |                             | : Classification not possible                          |
| Toxic to repr   | oduction   |                             | : Category2  |
| Specific targe  | et organ systemic toxicit  | y(single exposure)          | : Classification not possible                          |
| Specific targe  | et organ systemic toxicit  | y(repeated exposure)        | : Category1  |
| Aspiration ha   | zard   |                             | : Classification not possible                          |
| ENVIRONMENT   | AL HAZARDS   |                             |  |
| Hazard to the   | e Aquatic Environment (A   | Acute)                      | : Classification not possible                          |
| Hazard to the Aquatic Environment (Chronic)   |  | Chronic)                    | : Classification not possible                          |
| [Label elements]  |  |                             |  |
| Pictogram   |  |                             |  |
| Signal Word   | : Danger   |                             |  |
| Hazard Stateme  |  | ted of damaging fertility o | r the unborn child                                     |
| _   | •  |                             | h 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 substa | Mixture           |   |
|-----------------------------------|-------------------|---|
| [Chemical nature]                 | [Component parts] | Ink[ Ink quantity of product :about 1.1g] |
| Chemical name                     | Cas No.           | Concentration range(wt%)                  |
| Water                             | 7732-18-5         | 50-80                                     |
| Diethylene glycol                 | 111-46-6          | 10-30                                     |
| Additive                          | Trade secret      | <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 windward direction.   |  |
| [Environmental precautions]                                    | Collect leaked material in empty container after leading outflow to a safe area containing earth and sand. |  |
|  | Do not allow leaked material to pollute rivers, lakes, etc.  |  |
| [Methods and material for containm                             | nent 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<br>[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.                                 |  |
|  | Don't shake.   |  |
| [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

[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

[Imformation on basic physical and chemical properties]

| Color                    | : Blue   |
|--------------------------|--|
| State                    | : Liquid   |
| Odor                     | : No information available.                                  |
| pН                       | : about 7.3  |
| Boiling point            | : No information available.[Water 100°C]                     |
| Melting point            | : No information available.                                  |
| Flash point              | : No information available.[Diethylene glycol 149°C]         |
| Autoignition temperature | : No information available.[Diethylene glycol $365^\circ$ C] |
| Explosion limits         | : No information available.                                  |
| Vapor density(air=1)     | : No information available.                                  |

| Density             | : | about 1.1                 |
|---------------------|---|---------------------------|
| Solubility in water | : | No information available. |
| Evaporation rate    | : | No information available. |
| Volatile            | : | >80%                      |
| [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                  |                                |
| Diethylene glycol                      | : Category2                    |
| Specific target organ systemic toxic   | ity(single exposure)           |
| No information available.              |                                |

Specific target organ systemic toxicity(repeated exposure)

Diethylene glycol : 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]                      | 960860  |
| [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"

- 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 Comp<br>[Product name]<br>[File No.]<br>[Date of issue] | oany Identification<br>UMN-207 MICRO<br>305139E<br>2015/02/12 | Red  |                                    |
|--|---|--|------------------------------------|
| [Details of Manufactu  | ıre]  |  |                                    |
|  | Manufacture's name:<br>Address:                               | MITSUBISHI PENCIL CO<br>5-23-37, HIGASHIOHI, | ., LTD.<br>SHINAGAWA, TOKYO, JAPAN |
|  | <b>Telephone number:</b><br>(Only office hour are available.) | 03-3458-6281 te                              | elefax number: 03-3450-0363        |
| 2. Hazards identificat   | ion   |  |                                    |
|  | section is about the ink.                                     |  |                                    |
| _  | he substance or mixture                                       |  |                                    |
| -  |   |  |                                    |
| Not applicable   |   |  |                                    |
| HEALTH HAZAF   |   |  |                                    |
| Acute toxicity   |   |  | : Not classified                   |
| Acute toxicity   |   |  | : Not classified                   |
| -  | (inhalation steam)  |  | : Not classified                   |
| Skin corrosior   |   |  | : Classification not possible      |
| Serious eye damage/Eye Irritation                                      |   |  | Classification not possible        |
| Respiratory sensitizer   |   |  | Classification not possible        |
| Skin sensitizer  |   |  | Classification not possible        |
| Germ cell mutagenicity   |   |  | : Classification not possible      |
| Carcinogenicity  |   |  | : Classification not possible      |
| Toxic to repro   | oduction  |  | : Category2                        |
| Specific targe   | t organ systemic toxicity                                     | (single exposure)                            | Classification not possible        |
| Specific targe   | t organ systemic toxicity                                     | (repeated exposure)                          | : Category1                        |
| Aspiration hazard  |   |  | Classification not possible        |
| ENVIRONMENT  | AL HAZARDS  |  |                                    |
| Hazard to the  | Aquatic Environment (A  | cute)  | : Classification not possible      |
| Hazard to the  | Aquatic Environment (C  | hronic)                                      | : Classification not possible      |
| [Label elements]   |   |  |                                    |
| Pictogram  |   |  |                                    |
| Signal Word  | : Danger  |  |                                    |
| Hazard Stateme   |   | ted of damaging fertility or                 | the unborn child                   |
|  | •   |  | 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] |   |
|--|---|
| [Component parts]                                  | Ink[ Ink quantity of product :about 1.1g]                             |
| Cas No.  | Concentration range(wt%)  |
| 7732-18-5  | 50-80   |
| 111-46-6   | 10-30   |
| Trade secret                                       | <10   |
| Trade secret                                       | <10   |
|  | [Component parts]<br>Cas No.<br>7732–18–5<br>111–46–6<br>Trade secret |

# 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 s | 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 windward direction.   |  |
|  | [Environmental precautions]        | Collect leaked material in empty container after leading outflow to a safe area containing earth and sand. |  |
|  |                                    | Do not allow leaked material to pollute rivers, lakes, etc.  |  |
|  | [Methods and material for containn | nent 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. H   | andling 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.                                 |  |
|  |                                    | Don't shake.   |  |
| [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

| [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

[Imformation on basic physical and chemical properties]

| Color                    | : Red  |
|--------------------------|--|
| State                    | : Liquid   |
| Odor                     | : No information available.                          |
| рH                       | : about 7.3  |
| Boiling point            | : No information available.[Water 100°C]             |
| Melting point            | : No information available.                          |
| Flash point              | : No information available.[Diethylene glycol 149°C] |
| Autoignition temperature | : No information available.[Diethylene glycol 365°C] |
| Explosion limits         | : No information available.                          |
| Vapor density(air=1)     | : No information available.                          |

| Density             | : | about 1.1                 |
|---------------------|---|---------------------------|
| Solubility in water | : | No information available. |
| Evaporation rate    | : | No information available. |
| Volatile            | : | >80%                      |
| [Other information] |   | No information available. |

| [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. | l oxico | logical | 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                                    |                                |  |  |
| Diethylene glycol  | : Category2                    |  |  |
| Specific target organ systemic toxicity(single exposure) |                                |  |  |
| No information available.                                |                                |  |  |

Specific target organ systemic toxicity(repeated exposure)

Diethylene glycol : 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]                      | 960860  |
| [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"

- 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 Com<br>[Product name]<br>[File No.]<br>[Date of issue]<br>[Details of Manufact | UMN-207 MICRO<br>305140E<br>2015/02/12 | MITSUBISHI PENCIL CC<br>5–23–37, HIGASHIOHI,<br>03–3458–6281 t | 0., LTD.<br>SHINAGAWA, TOKYO, JAPAN<br>elefax number: 03-3450-0363 |
|---|--|--|--|
| 2. Hazards identifica   | tion                                   |  |  |
|   | s section is about the ink             |  |  |
|   | the substance or mixture               |  |  |
| L   | MICAL HAZARDS                          | J  |  |
| Not applicabl   |  |  |  |
| HEALTH HAZA   |  |  |  |
| Acute toxicit   |  |  | : Not classified   |
| Acute toxicit   | -                                      |  | : Not classified   |
|   | y(inhalation steam)                    |  | : Not classified   |
| Skin corrosio   |  |  | : Classification not possible                                      |
|   | damage/Eye Irritation                  |  | : Classification not possible                                      |
|   |  |  | : Classification not possible                                      |
| Respiratory sensitizer<br>Skin sensitizer   |  |  | : Classification not possible                                      |
| Germ cell mutagenicity  |  |  | : Classification not possible                                      |
| Carcinogenicity   |  |  | : Classification not possible                                      |
| Toxic to repr   | : Category2                            |  |  |
|   | et organ systemic toxicity             | v(single exposure)   | : Classification not possible                                      |
|   | et organ systemic toxicity             |  | : Category1  |
| Aspiration ha   |  |  | : Classification not possible                                      |
| ENVIRONMENT   |  |  |  |
|   | e Aquatic Environment (A               | (cute)   | : Classification not possible                                      |
|   | e Aquatic Environment (C               |  | : Classification not possible                                      |
| [Label elements]  | •                                      |  | ·  |
| Pictogram   |  |  |  |
| Signal Word   | : Danger                               |  |  |
| Hazard Stateme  | -                                      | cted of damaging fertility o                                   | r the unborn child   |
|   |  |  | h prolonged or repeated exposure                                   |
| Precautionary S   |  |  |  |
|   |  | breathe dust/vapours etc                                       |  |
|   |  | eat, drink or smoke when                                       |  |
|   |  |  | nt as required.(Refer to Section 8)                                |
|   |  | edical advice/attention if y                                   |  |
|   |  |  |  |

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

: Dispose in accordance with all current regulations and standards. No information available.

# 3. Composition/information on ingredients

[Other hazards]

| [The chemical product is a substand | Mixture           |   |
|-------------------------------------|-------------------|---|
| [Chemical nature]                   | [Component parts] | Ink[ Ink quantity of product :about 1.1g] |
| Chemical name                       | Cas No.           | Concentration range(wt%)                  |
| Water                               | 7732-18-5         | 50-80                                     |
| Diethylene glycol                   | 111-46-6          | 10-30                                     |
| Additive                            | Trade secret      | <10                                       |
| Coloring agent                      | Trade secret      | <10                                       |
| Carbon black                        | 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 windward direction.   |
|      | [Environmental precautions]          | Collect leaked material in empty container after leading outflow to a safe area containing earth and sand. |
|      |                                      | Do not allow leaked material to pollute rivers, lakes, etc.  |
|      | [Methods and material for containn   | nent 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. H | andling 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.                                 |
|      |                                      | Don't shake.   |
|      | [Conditions for safe storage, includ | ling 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

[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

[Imformation on basic physical and chemical properties]

| Color                    | : Blue black   |
|--------------------------|--|
| State                    | : Liquid   |
| Odor                     | : No information available.                          |
| рH                       | : about 7.3  |
| Boiling point            | : No information available.[Water 100°C]             |
| Melting point            | : No information available.                          |
| Flash point              | : No information available.[Diethylene glycol 149°C] |
| Autoignition temperature | : No information available.[Diethylene glycol 365°C] |
| Explosion limits         | : No information available.                          |
| Vapor density(air=1)     | : No information available.                          |
|                          |  |

| Density             | : | about 1.1                 |
|---------------------|---|---------------------------|
| Solubility in water | : | No information available. |
| Evaporation rate    | : | No information available. |
| Volatile            | : | >80%                      |
| [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                  |                                |
| Diethylene glycol                      | : Category2                    |
| Specific target organ systemic toxic   | ity(single exposure)           |
| No information available.              |                                |

Specific target organ systemic toxicity(repeated exposure)

Diethylene glycol : 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]                      | 960860  |
| [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"

- 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 Compa<br>[Product name]  | any Identification<br>UMN-207 MICRO | Green                         |  |
|---|-------------------------------------|-------------------------------|--|
| [File No.]  | 305125E                             |                               |  |
| [Date of issue]   | 2014/10/29                          |                               |  |
| Details of Manufactur   | e]                                  |                               |  |
| -   | -<br>Manufacture's name:            | MITSUBISHI PENCIL CO.         | LTD.   |
|   | Address:                            |                               | SHINAGAWA, TOKYO, JAPAN                                    |
|   | Telephone number:                   |                               | lefax number: 03-3450-0363                                 |
|   | (Only office hour are available.)   |                               |  |
| 2. Hazards identification   | on<br>section is about the ink      |                               |  |
| _   |                                     | _                             |  |
| PHYSICO-CHEM  | e substance or mixture              | L                             |  |
|   | ICAL HAZARDS                        |                               |  |
| Not applicable.<br>HEALTH HAZAR   | 20                                  |                               |  |
| Acute toxicity  |                                     |                               | Not classified   |
| Acute toxicity  |                                     |                               | Not classified   |
| -   | inhalation steam)                   |                               | Not classified   |
|   |                                     |                               |  |
|   | mage/Eye Irritation                 |                               | Classification not possible<br>Classification not possible |
| Respiratory se  |                                     |                               | Classification not possible                                |
|   |                                     |                               | Classification not possible                                |
| Skin sensitizer   |                                     |                               | Classification not possible                                |
| Germ cell mutagenicity  |                                     |                               | Classification not possible                                |
| Carcinogenicity<br>Toxic to reproduction  |                                     |                               | Category2  |
| Toxic to reproduction<br>Specific target organ systemic toxicity(single exposure) |                                     | (single exposure)             | Classification not possible                                |
|   | organ systemic toxicity             |                               | Category1  |
| Aspiration haza   |                                     |                               | Not classified   |
| ENVIRONMENTAL HAZARDS   |                                     |                               |  |
|   | Aquatic Environment (A              | cute)                         | Classification not possible                                |
|   | Aquatic Environment (C              |                               | Classification not possible                                |
| [Label elements]  | •                                   |                               |  |
| Pictogram   |                                     |                               |  |
| Signal Word   | : Danger                            |                               |  |
| Hazard Statemen   | -                                   | ted of damaging fertility or  | the unborn child   |
|   |                                     |                               | prolonged or repeated exposure                             |
| Precautionary St  | atement                             |                               |  |
|   | : Do not                            | breathe dust/vapours etc      |  |
|   | : Do not                            | eat, drink or smoke when ι    | ising this product.  |
|   | : Use pe                            | rsonal protective equipmen    | t as required.(Refer to Section 8)                         |
|   | : Get me                            | edical advice/attention if yo | u feel unwell.   |
|   | : IF expo                           | osed or concerned: Get med    | lical advice/attention.                                    |
|   | : Dispos                            | e in accordance with all cur  | rent regulations and standards.                            |
|   |                                     |                               |  |

[Other hazards]

### 3. Composition/information on ingredients

| [The chemical product is a substance or a mixture] |                   | Mixture                                   |
|--|-------------------|---|
| [Chemical nature]                                  | [Component parts] | Ink[ Ink quantity of product :about 1.1g] |
| Chemical name                                      | Cas No.           | Concentration range(wt%)                  |
| Water  | 7732-18-5         | 50-80                                     |
| Diethylene glycol                                  | 111-46-6          | 10-30                                     |
| Additive   | Trade secret      | <10                                       |
| Coloring agent                                     | Trade secret      | <10                                       |

### 4. First aid measures

| [Description of first aid measures]  |  |  |
|--|--|--|
|  | 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.  |  |
|  | 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 windward direction. [Environmental precautions] Collect leaked material in empty container after leading outflow to a safe

area containing earth and sand.

Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]

|                               | Wipe off by dry cloth and wash with water.  |
|-------------------------------|---|
|                               | Dispose of pollution or waste in accordance with national, state and local regulations. |
| [Reference to other sections] | No information available.   |

### 7. Handling and storage

| [Precautions for safe handling]                                |   |
|--|---|
|  | Do not lick or swallow the ink.   |
|  | Avoid contact with skin and eyes.   |
|  | Recap after use (if there is a cap), and keep out of the reach of infants.                  |
|  | Don't shake.  |
| [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

[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

[Imformation on basic physical and chemical properties]

| Color                    | : Green  |
|--------------------------|--|
| State                    | : Liquid   |
| Odor                     | : No information available.                                    |
| рН                       | : about 7.3  |
| Boiling point            | : No information available.[Water 100°C]                       |
| Melting point            | : No information available.                                    |
| Flash point              | : No information available.[Diethylene glycol 149°C]           |
| Autoignition temperature | : No information available.[Diethylene glycol $365^{\circ}C$ ] |
| Explosion limits         | : No information available.                                    |
| Vapor density(air=1)     | : No information available.                                    |
| Density                  | : about 1.1  |
| Solubility in water      | : No information available.                                    |
| Evaporation rate         | : No information available.                                    |
| Volatile                 | : >80%   |
| [Other information]      | No information available.                                      |

| 05125E |   | MITSUBISHI PENCIL CO., LTD.   | [Date  |
|--------|---|---|--------|
|        | [Reactivity]<br>[Conditions to avoid]<br>[Incompatible materials]<br>[Hazardous decomposition products]<br>[Possibility of hazardous reactions] | No data available.<br>Avoid heat, flames, sparks and other sources of ign<br>Avoid direct sunlight and high temperature.<br>No information available.<br>No information available.<br>No information available. | ition. |
|        |   |   |        |
| 11. T  | oxicological information<br>[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   |   |        |
|        | Diethylene glycol   | : Category2   |        |
|        | Specific target organ systemic toxic<br>No information available.   | ity(single exposure)  |        |
|        | Specific target organ systemic toxic<br>Diethylene glycol   | ity(repeated exposure)<br>: Category1   |        |
|        | Aspiration hazard<br>No information available.  |   |        |
|        | Hazard to the Aquatic Environment<br>No information available.  | (Acute)   |        |

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]                      | 960810  |
| [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"

- 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.