

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

1. Product and Company Identification

[Product name] Light blue INK for UM-170

[File No.] 304402B

[Date of issue] 2018/12/11

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281 telefax number: 03-3450-0363
(Only office hour are available.)

[Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33 telefax number: 33 (1) 46 94 33 00
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

Not classified as hazardous according to Regulation (EC) No.1907 / 2006.

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram : Not applicable.

Signal Word : Not applicable.

Hazard Statement : Not applicable.

Precautionary Statement

Not applicable.

[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%)

Classification
(REGULATION (EC) No
1272/2008)

Water

7732-18-5

50-80

1,2-Propanediol

57-55-6

< 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 with soap and water for at least 15 minutes while removing contaminated clothing and shoes.
 : 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, 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.

Use a container to fill up at the time of shipment.

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	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection gloves from an aspect of the contact defense.
Eye protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection glasses from an aspect of the contact defense.
Skin protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection clothes from an aspect of the contact defense.

9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Sky blue
State	: Liquid
Odor	: slight odor
pH	: about8.7
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[1,2-Propanediol 99.0°C]
Autoignition temperature	: No information available.[1,2-Propanediol 421.0°C]
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.2
Solubility in water	: soluble
Evaporation rate	: No information available.
[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)

Classification not possible : No information available.

Acute toxicity(skin)

Classification not possible : No information available.

Acute toxicity(inhalation:vapours)

Classification not possible : No information available.

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

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

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

[Toxicity for fish]	No information available.
[Toxicity for crustaceans]	No information available.
[Toxicity for algae]	No information available.
[Persistence and degradability]	No information available.
[Bioaccumulative potential]	No information available.
[Mobility in soil]	No information available.
[Results of PBT and vPvB assessment]	No information available.
[Other adverse effects]	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

[Transport hazard class(es)]	Not applicable.
[UN number, proper shipping name]	-
[Packing group]	No information available.
[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

[Safety, health and environmental regulations/legislation specific for the substance or mixture]
 Follow all regulation in your country.

[Chemical safety assessment]
 Ink or lead are manufactured in accordance with ISO 8124-3 Safety of Toys – Part 3""

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

1. Product and Company Identification

[Product name] **Black INK for UM-170**

[File No.] 304398B

[Date of issue] 2018/12/11

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281 telefax number: 03-3450-0363
(Only office hour are available.)

[Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33 telefax number: 33 (1) 46 94 33 00
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

Not classified as hazardous according to Regulation (EC) No.1907 / 2006.

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram : Not applicable.

Signal Word : Not applicable.

Hazard Statement : Not applicable.

Precautionary Statement

Not applicable.

[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%)

Classification
(REGULATION (EC) No
1272/2008)

Water

7732-18-5

50-80

1,2-Propanediol

57-55-6

10-30

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 with soap and water for at least 15 minutes while removing contaminated clothing and shoes.
 : 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, 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.
- Use a container to fill up at the time of shipment.
- 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	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection gloves from an aspect of the contact defense.
Eye protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection glasses from an aspect of the contact defense.
Skin protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection clothes from an aspect of the contact defense.

9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Black
State	: Liquid
Odor	: slight odor
pH	: about8.3
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[1,2-Propanediol 99.0°C]
Autoignition temperature	: No information available.[1,2-Propanediol 421.0°C]
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
[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)

Classification not possible : No information available.

Acute toxicity(skin)

Classification not possible : No information available.

Acute toxicity(inhalation:vapours)

Classification not possible : No information available.

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

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

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

[Toxicity for fish]	No information available.
[Toxicity for crustaceans]	No information available.
[Toxicity for algae]	No information available.
[Persistence and degradability]	No information available.
[Bioaccumulative potential]	No information available.
[Mobility in soil]	No information available.
[Results of PBT and vPvB assessment]	No information available.
[Other adverse effects]	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

[Transport hazard class(es)]	Not applicable.
[UN number, proper shipping name]	—
[Packing group]	No information available.
[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

[Safety, health and environmental regulations/legislation specific for the substance or mixture]
 Follow all regulation in your country.

[Chemical safety assessment]
 Ink or lead are manufactured in accordance with ISO 8124-3 Safety of Toys – Part 3””

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

1. Product and Company Identification

[Product name] Red INK for UM-170

[File No.] 304397B

[Date of issue] 2018/12/11

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281 telefax number: 03-3450-0363
(Only office hour are available.)

[Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33 telefax number: 33 (1) 46 94 33 00
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

Not classified as hazardous according to Regulation (EC) No.1907 / 2006.

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram : Not applicable.

Signal Word : Not applicable.

Hazard Statement : Not applicable.

Precautionary Statement

Not applicable.

[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%)

Classification
(REGULATION (EC) No
1272/2008)

Water

7732-18-5

50-80

1,2-Propanediol

57-55-6

10-30

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 with soap and water for at least 15 minutes while removing contaminated clothing and shoes.
 : 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, 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.
- Use a container to fill up at the time of shipment.
- 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	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection gloves from an aspect of the contact defense.
Eye protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection glasses from an aspect of the contact defense.
Skin protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection clothes from an aspect of the contact defense.

9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Red
State	: Liquid
Odor	: slight odor
pH	: about 8.7
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[1,2-Propanediol 99.0°C]
Autoignition temperature	: No information available.[1,2-Propanediol 421.0°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.
[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)

Classification not possible : No information available.

Acute toxicity(skin)

Classification not possible : No information available.

Acute toxicity(inhalation:vapours)

Classification not possible : No information available.

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

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

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

[Toxicity for fish]	No information available.
[Toxicity for crustaceans]	No information available.
[Toxicity for algae]	No information available.
[Persistence and degradability]	No information available.
[Bioaccumulative potential]	No information available.
[Mobility in soil]	No information available.
[Results of PBT and vPvB assessment]	No information available.
[Other adverse effects]	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

[Transport hazard class(es)]	Not applicable.
[UN number, proper shipping name]	—
[Packing group]	No information available.
[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

[Safety, health and environmental regulations/legislation specific for the substance or mixture]
 Follow all regulation in your country.

[Chemical safety assessment]
 Ink or lead are manufactured in accordance with ISO 8124-3 Safety of Toys – Part 3””

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

1. Product and Company Identification

[Product name] Violet INK for UM-170

[File No.] 304347B

[Date of issue] 2018/11/30

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281 telefax number: 03-3450-0363
(Only office hour are available.)

[Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33 telefax number: 33 (1) 46 94 33 00
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

HEALTH HAZARDS

Skin sensitizer : Category1

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram :



Signal Word : Warning

Hazard Statement : May cause an allergic skin reaction

Precautionary Statement

- : Do not breathe dust/vapours etc..
- : Wash contaminated clothing before reuse.
- : IF ON SKIN: Wash with plenty of soap and water.
- : If skin irritation or rash occurs: 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%)	Classification (REGULATION (EC) No 1272/2008)
Water	7732-18-5	50-80	
1,2-Propanediol	57-55-6	10-30	
1,2-Ethanediol	107-21-1	< 10	Acute Tox.4; H302
1,2-Benzoisothiazol-3(2H)-one	2634-33-5	< 1	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318 Skin Sens.1; H317 Aquatic Acute1; H400

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 with soap and water for at least 15 minutes while removing contaminated clothing and shoes.
: 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, 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.

Use a container to fill up at the time of shipment.

Recommended temperature : 0-40°C

[Specific end use(s)]

No information available.

8. Exposure controls/personal protection

[Control parameters]

Chemical name	OSHA	ACGIH
1,2-Ethanediol	-	(STEL)100mg/m ³

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection gloves from an aspect of the contact defense.
Eye protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection glasses from an aspect of the contact defense.
Skin protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection clothes from an aspect of the contact defense.

9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color : Violet

State	: Liquid
Odor	: slight odor
pH	: about 8.2
Boiling point	: No information available. [Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available. [1,2-Propanediol 99.0°C]
Autoignition temperature	: No information available. [1,2-Propanediol 421.0°C]
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.
[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	: >5000 mg/kg (estimate value)
Acute toxicity (skin)	
Classification not possible	: No information available.
Acute toxicity (inhalation: vapours)	
Classification not possible	: No information available.
Skin corrosion/irritation	
No information available.	
Serious eye damage/Eye Irritation	
No information available.	
Respiratory sensitizer	
No information available.	
Skin sensitizer	
1,2-Benzoisothiazol-3(2H)-one	: Category 1
Germ cell mutagenicity	
No information available.	

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

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

[Toxicity for fish]	No information available.
[Toxicity for crustaceans]	No information available.
[Toxicity for algae]	No information available.
[Persistence and degradability]	No information available.
[Bioaccumulative potential]	No information available.
[Mobility in soil]	No information available.
[Results of PBT and vPvB assessment]	No information available.
[Other adverse effects]	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

[Transport hazard class(es)]	Not applicable.
[UN number, proper shipping name]	-
[Packing group]	No information available.
[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

[Safety, health and environmental regulations/legislation specific for the substance or mixture]

Follow all regulation in your country.

[Chemical safety assessment]

Ink or lead are manufactured in accordance with ISO 8124-3 Safety of Toys – Part 3""

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

H302–Harmful if swallowed

H315–Causes skin irritation

H317–May cause an allergic skin reaction

H318–Causes serious eye irritation

H400–Very toxic to aquatic life

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

1. Product and Company Identification

[Product name] Fluorescent orange INK for UM-170

[File No.] 304405B

[Date of issue] 2018/12/11

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281 telefax number: 03-3450-0363
(Only office hour are available.)

[Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33 telefax number: 33 (1) 46 94 33 00
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

Not classified as hazardous according to Regulation (EC) No.1907 / 2006.

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram : Not applicable.

Signal Word : Not applicable.

Hazard Statement : Not applicable.

Precautionary Statement

Not applicable.

[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%)

Classification
(REGULATION (EC) No
1272/2008)

Water

7732-18-5

30-50

Glycerine

56-81-5

10-30

1,2-Ethandiol

107-21-1

< 10

Acute Tox.4; H302

Triethanolamine

102-71-6

< 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 with soap and water for at least 15 minutes while removing contaminated clothing and shoes.
 : 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, 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.
- Use a container to fill up at the time of shipment.
- Recommended temperature : 0–40°C

[Specific end use(s)]

No information available.

8. Exposure controls/personal protection

[Control parameters]

Chemical name	OSHA	ACGIH
1,2-Ethanediol	–	(STEL)100mg/m ³
Glycerine	–	(TWA)10mg/m ³
Triethanolamine	–	(TWA)5mg/m ³

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection gloves from an aspect of the contact defense.
Eye protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection glasses from an aspect of the contact defense.
Skin protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection clothes from an aspect of the contact defense.

9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Fluorescent orange
State	: Liquid
Odor	: No information available.
pH	: about 8.7
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about 1.2
Solubility in water	: No information available.
Evaporation rate	: No information available.
[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	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Classification not possible	: No information available.
Acute toxicity(inhalation:vapours)	
Classification not possible	: No information available.
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	
No information available.	
Specific target organ systemic toxicity(single exposure)	
No information available.	
Specific target organ systemic toxicity(repeated exposure)	
No information available.	
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

[Toxicity for fish] No information available.

[Toxicity for crustaceans] No information available.

[Toxicity for algae] No information available.

[Persistence and degradability]
No information available.

[Bioaccumulative potential] No information available.

[Mobility in soil] No information available.

[Results of PBT and vPvB assessment]
No information available.

[Other adverse effects] 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

[Transport hazard class(es)] Not applicable.

[UN number, proper shipping name]

-

[Packing group] No information available.

[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

[Safety, health and environmental regulations/legislation specific for the substance or mixture]

Follow all regulation in your country.

[Chemical safety assessment]

Ink or lead are manufactured in accordance with ISO 8124-3 Safety of Toys – Part 3""

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

H302—Harmful if swallowed

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

1. Product and Company Identification

[Product name] Fluorescent pink INK for UM-170

[File No.] 304406B

[Date of issue] 2018/12/11

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281 telefax number: 03-3450-0363
(Only office hour are available.)

[Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33 telefax number: 33 (1) 46 94 33 00
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

Not classified as hazardous according to Regulation (EC) No.1907 / 2006.

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram : Not applicable.

Signal Word : Not applicable.

Hazard Statement : Not applicable.

Precautionary Statement

Not applicable.

[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%)

Classification
(REGULATION (EC) No
1272/2008)

Water

7732-18-5

30-50

Glycerine

56-81-5

10-30

1,2-Ethandiol

107-21-1

< 10

Acute Tox.4; H302

Triethanolamine

102-71-6

< 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 with soap and water for at least 15 minutes while removing contaminated clothing and shoes.
 : 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, 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.
- Use a container to fill up at the time of shipment.
- Recommended temperature : 0–40°C

[Specific end use(s)]

No information available.

8. Exposure controls/personal protection

[Control parameters]

Chemical name	OSHA	ACGIH
1,2-Ethanediol	–	(STEL)100mg/m ³
Glycerine	–	(TWA)10mg/m ³
Triethanolamine	–	(TWA)5mg/m ³

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection gloves from an aspect of the contact defense.
Eye protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection glasses from an aspect of the contact defense.
Skin protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection clothes from an aspect of the contact defense.

9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Fluorescent pink
State	: Liquid
Odor	: No information available.
pH	: about 8.6
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about 1.2
Solubility in water	: No information available.
Evaporation rate	: No information available.
[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	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Classification not possible	: No information available.
Acute toxicity(inhalation:vapours)	
Classification not possible	: No information available.
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	
No information available.	
Specific target organ systemic toxicity(single exposure)	
No information available.	
Specific target organ systemic toxicity(repeated exposure)	
No information available.	
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

[Toxicity for fish] No information available.

[Toxicity for crustaceans] No information available.

[Toxicity for algae] No information available.

[Persistence and degradability]
No information available.

[Bioaccumulative potential] No information available.

[Mobility in soil] No information available.

[Results of PBT and vPvB assessment]
No information available.

[Other adverse effects] 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

[Transport hazard class(es)] Not applicable.

[UN number, proper shipping name]

-

[Packing group] No information available.

[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

[Safety, health and environmental regulations/legislation specific for the substance or mixture]

Follow all regulation in your country.

[Chemical safety assessment]

Ink or lead are manufactured in accordance with ISO 8124-3 Safety of Toys – Part 3""

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

H302—Harmful if swallowed

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

1. Product and Company Identification

[Product name] Green INK for UM-170

[File No.] 304400B

[Date of issue] 2018/12/11

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281 telefax number: 03-3450-0363
(Only office hour are available.)

[Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33 telefax number: 33 (1) 46 94 33 00
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

HEALTH HAZARDS

Skin sensitizer : Category1

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram :



Signal Word : Warning

Hazard Statement : May cause an allergic skin reaction

Precautionary Statement

- : Do not breathe dust/vapours etc..
- : Wash contaminated clothing before reuse.
- : IF ON SKIN: Wash with plenty of soap and water.
- : If skin irritation or rash occurs: 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%)

Classification
(REGULATION (EC) No
1272/2008)

Water

7732-18-5

50-80

Glycerine

56-81-5

10-30

Triethanolamine

102-71-6

< 10

1,3,5-Triazine-1,3,5(2H,4H,6H)-
triethanol

4719-04-4

< 1

Acute Tox.4; H302
Skin Sens.1; H317

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 with soap and water for at least 15 minutes while removing contaminated clothing and shoes.
 : 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, 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.
- Use a container to fill up at the time of shipment.
- Recommended temperature : 0–40°C

[Specific end use(s)]

No information available.

8. Exposure controls/personal protection

[Control parameters]

Chemical name	OSHA	ACGIH
Glycerine	–	(TWA)10mg/m ³
Triethanolamine	–	(TWA)5mg/m ³

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection gloves from an aspect of the contact defense.
Eye protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection glasses from an aspect of the contact defense.
Skin protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection clothes from an aspect of the contact defense.

9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Green
State	: Liquid
Odor	: slight odor
pH	: about8.3
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
[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)

Classification not possible : No information available.

Acute toxicity(skin)

Classification not possible : No information available.

Acute toxicity(inhalation:vapours)

Classification not possible : No information available.

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol : Category 1

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

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

[Toxicity for fish] No information available.

[Toxicity for crustaceans] No information available.

[Toxicity for algae] No information available.

[Persistence and degradability]
No information available.

[Bioaccumulative potential] No information available.

[Mobility in soil] No information available.

[Results of PBT and vPvB assessment]
No information available.

[Other adverse effects] 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

[Transport hazard class(es)] Not applicable.

[UN number, proper shipping name]

-

[Packing group] No information available.

[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

[Safety, health and environmental regulations/legislation specific for the substance or mixture]

Follow all regulation in your country.

[Chemical safety assessment]

Ink or lead are manufactured in accordance with ISO 8124-3 Safety of Toys – Part 3""

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

H302—Harmful if swallowed

H317—May cause an allergic skin reaction

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

1. Product and Company Identification

[Product name] Blue INK for UM-170

[File No.] 304399B

[Date of issue] 2018/12/11

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281 telefax number: 03-3450-0363
(Only office hour are available.)

[Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33 telefax number: 33 (1) 46 94 33 00
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

Not classified as hazardous according to Regulation (EC) No.1907 / 2006.

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram : Not applicable.

Signal Word : Not applicable.

Hazard Statement : Not applicable.

Precautionary Statement

Not applicable.

[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%)

Classification
(REGULATION (EC) No
1272/2008)

Water

7732-18-5

50-80

1,2-Ethanediol

107-21-1

< 10

Acute Tox.4; H302

1,2-Propanediol

57-55-6

< 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 with soap and water for at least 15 minutes while removing contaminated clothing and shoes.
 : 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, 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.
- Use a container to fill up at the time of shipment.
- Recommended temperature : 0–40°C

[Specific end use(s)]

No information available.

8. Exposure controls/personal protection

[Control parameters]

Chemical name	OSHA	ACGIH
1,2-Ethanediol	–	(STEL)100mg/m ³

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection gloves from an aspect of the contact defense.
Eye protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection glasses from an aspect of the contact defense.
Skin protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection clothes from an aspect of the contact defense.

9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Blue
State	: Liquid
Odor	: slight odor
pH	: about8.3
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[1,2-Propanediol 99.0°C]
Autoignition temperature	: No information available.[1,2-Propanediol 421.0°C]
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
[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	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Classification not possible	: No information available.
Acute toxicity(inhalation:vapours)	
Classification not possible	: No information available.
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	
No information available.	
Specific target organ systemic toxicity(single exposure)	
No information available.	
Specific target organ systemic toxicity(repeated exposure)	
No information available.	
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

[Toxicity for fish] No information available.

[Toxicity for crustaceans] No information available.

[Toxicity for algae] No information available.

[Persistence and degradability]
No information available.

[Bioaccumulative potential] No information available.

[Mobility in soil] No information available.

[Results of PBT and vPvB assessment]
No information available.

[Other adverse effects] 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

[Transport hazard class(es)] Not applicable.

[UN number, proper shipping name]

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[Packing group] No information available.

[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

[Safety, health and environmental regulations/legislation specific for the substance or mixture]

Follow all regulation in your country.

[Chemical safety assessment]

Ink or lead are manufactured in accordance with ISO 8124-3 Safety of Toys – Part 3""

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

H302–Harmful if swallowed