# SAFETY DATA SHEET

# 1. Product and Company Identification

[Product name] UBA-188-M Black

[File No.] 300152E 2015/06/12 [Date of issue]

[Details of Manufacture]

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

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

Telephone number: (Only office hour are available.)

03-3458-6281

03-3450-0363

#### 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

#### **HEALTH HAZARDS**

: Not classified Acute toxicity(oral) Acute toxicity(skin) : Not classified Acute toxicity(inhalation steam) : Not classified Skin corrosion/irritation : Category3 Serious eye damage/Eye Irritation : Category2

Classification not possible Respiratory sensitizer

Skin sensitizer : Category1

Germ cell mutagenicity : Classification not possible

Carcinogenicity : Category2

Toxic to reproduction : Classification not possible

Specific target organ systemic toxicity(single exposure) : Category1 Specific target organ systemic toxicity(repeated exposure) : Category1

Aspiration hazard : Classification not possible

**ENVIRONMENTAL HAZARDS** 

Hazard to the Aquatic Environment (Acute) : Not classified

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

[Label elements]

Pictogram





Signal Word Danger

Hazard Statement : Causes mild skin irritation

Causes serious eye damage

: May cause an allergic skin reaction

: Suspected of causing cancer

: Causes damage to organs

: Causes damage to organs through prolonged or repeated exposure

Precautionary Statement

: Do not breathe dust/vapours etc..

: Do not eat, drink or smoke when using this product.

: Use personal protective equipment as required. (Refer to Section 8)

: Get medical advice/attention if you feel unwell.

: Wash contaminated clothing before reuse.

: IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easys to do. Continue rinsing.

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

: If skin irritation occurs: Get medical advice/attention.

: If skin irritation or rash ouuurs: Get medical advice/attention.

: If eye irritation persists: Get medical advice/attention.

: Dispose in accordance with all current regulations and standards.

[Other hazards] No information available.

## 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]		Mixture	
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.05g]	
Chemical name	Cas No.	Concentration range(wt%)	
Water	7732-18-5	50-80	
1,2-Ethanediol	107-21-1	10-30	
Carbon black	1333-86-4	<10	
Triethanolamine	102-71-6	<10	
Additive	Trade secret	<10	
Resin	Trade secret	<10	

#### 4. First aid measures

[Description of first aid measures]

Eye contact : Flush eyes with plenty of water for at least 15 minutes.

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

Skin contact : Wash skin.

: Consult medical advice depending on the symptoms.

: Thoroughly clean and dry contaminated clothing and shoes before reuse.

Ingestion : Rinse mouth, give plenty of water to dilute. No specific intervention is indicated

as compound is not likely to be hazardous by ingestion.

: Consult medical advice depending on the symptoms.

Inhalation : Due to its low vapor pressure inhalation is unlikely at room temperature.

: If not feeling well, move to an area of fresh air and rest.

: Consult medical advice depending on the symptoms.

[Most important symptoms and effects, both acute and delayed]

No information available.

[Indication of any immediate medical attention and special treatment needed]

#### 5. Firefighting measures

[Extinguishing media] Regular dry chemical, carbon dioxide, water, regular foam

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters] Stay upwind and keep out of low areas and avoid inhalation of material or

combustion by-products.

Wear suitable protective equipment.

#### 6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

Rope off the area to contain the leak and prohibit entrance except for

authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

[Environmental precautions] Collect leaked material in empty container after leading outflow to a safe area

containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

Dispose of pollution or waste in accordance with national, state and local

regulations.

[Reference to other sections] No information available.

## 7. Handling and storage

[Precautions for safe handling]

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

Recap after use (if there is a cap), and keep out of the reach of infants.

on'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

[Control parameters]

Chemical name	OSHA	ACGIH
Carbon black	-	(TWA)3.5mg/m3
1,2-Ethanediol	-	(STEL)100 mg/m3
Triethanolamine	_	(TWA)5mg/m3

[Exposure controls]

Protective equipment : Not required.

Respiratory protection : Not required.

Hands protection : Not required.

Eye protection : Not required.

Skin protection : Not required.

#### 9. Physical and chemical properties

[Imformation on basic physical and chemical properties]

Color : Black State : Liquid

Odor : No information available.

pH : about 8.0

Boiling point : No information available.[Water 100.0°C]

Melting point : No information available.

Flash point : No information available.[1,2-Ethanediol 111.0°C]
Autoignition temperature : No information available.[1,2-Ethanediol 398.0°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.

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

1,2-Ethanediol : Category3Triethanolamine : Category2

Serious eye damage/Eye Irritation

1,2-Ethanediol : Category2B
Triethanolamine : Category2A

Respiratory sensitizer

Skin sensitizer

Triethanolamine : Category1

Germ cell mutagenicity

No information available.

Carcinogenicity

Carbon black : Category2

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

1,2-Ethanediol : Category1

Specific target organ systemic toxicity(repeated exposure)

Carbon black : Category1 1,2-Ethanediol : Category1

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

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"

## 16. Other information

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

# SAFETY DATA SHEET

# 1. Product and Company Identification

[Product name] UBA-188-M Blue

[File No.] 300154E 2015/06/12 [Date of issue]

[Details of Manufacture]

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

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN 03-3458-6281

Telephone number: (Only office hour are available.)

03-3450-0363 telefax number:

#### 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

#### **HEALTH HAZARDS**

: Not classified Acute toxicity(oral) Acute toxicity(skin) : Not classified Acute toxicity(inhalation steam) : Not classified Skin corrosion/irritation : Category3 Serious eye damage/Eye Irritation : Category2

Classification not possible Respiratory sensitizer

Skin sensitizer : Category1

Germ cell mutagenicity : Classification not possible Carcinogenicity : Classification not possible Toxic to reproduction : Classification not possible

Specific target organ systemic toxicity(single exposure) : Category1 Specific target organ systemic toxicity(repeated exposure) : Category1

Aspiration hazard : Classification not possible

**ENVIRONMENTAL HAZARDS** 

Hazard to the Aquatic Environment (Acute) : Not classified

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

[Label elements]

Pictogram





Signal Word Danger

Hazard Statement Causes mild skin irritation

Causes serious eye damage

May cause an allergic skin reaction

Causes damage to organs

: Causes damage to organs through prolonged or repeated exposure

Precautionary Statement

: Do not breathe dust/vapours etc..

: Do not eat, drink or smoke when using this product.

: Get medical advice/attention if you feel unwell.

: Wash contaminated clothing before reuse.

: IF ON SKIN: Wash with plenty of soap and water.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easys to do. Continue rinsing.

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

: If skin irritation occurs: Get medical advice/attention.

: If skin irritation or rash ouuurs: Get medical advice/attention.

: If eye irritation persists: Get medical advice/attention.

: Dispose in accordance with all current regulations and standards.

[Other hazards] No information available.

# 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]		Mixture	
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.05g]	
Chemical name	Cas No.	Concentration range(wt%)	
Water	7732-18-5	50-80	
1,2-Ethanediol	107-21-1	10-30	
Additive	Trade secret	10-30	
Triethanolamine	102-71-6	<10	
Coloring agent	Trade secret	<10	
Resin	Trade secret	<10	

# 4. First aid measures

[Description of first aid measures]

Eye contact : Flush eyes with plenty of water for at least 15 minutes.

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

Skin contact : Wash skin.

: Consult medical advice depending on the symptoms.

: Thoroughly clean and dry contaminated clothing and shoes before reuse.

Ingestion : Rinse mouth, give plenty of water to dilute. No specific intervention is indicated

as compound is not likely to be hazardous by ingestion.

: Consult medical advice depending on the symptoms.

Inhalation : Due to its low vapor pressure inhalation is unlikely at room temperature.

: If not feeling well, move to an area of fresh air and rest.

: Consult medical advice depending on the symptoms.

[Most important symptoms and effects, both acute and delayed]

No information available.

[Indication of any immediate medical attention and special treatment needed]

#### 5. Firefighting measures

[Extinguishing media] Regular dry chemical, carbon dioxide, water, regular foam

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters] Stay upwind and keep out of low areas and avoid inhalation of material or

combustion by-products.

Wear suitable protective equipment.

#### 6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

Rope off the area to contain the leak and prohibit entrance except for

authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

[Environmental precautions] Collect leaked material in empty container after leading outflow to a safe area

containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

Dispose of pollution or waste in accordance with national, state and local

regulations.

[Reference to other sections] No information available.

## 7. Handling and storage

[Precautions for safe handling]

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

Recap after use (if there is a cap), and keep out of the reach of infants.

on'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

[Control parameters]

Chemical name OSHA ACGIH

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

Triethanolamine - (TWA)5mg/m3

[Exposure controls]

Protective equipment : Not required.

Respiratory protection : Not required.

Hands protection : Not required.

Eye protection : Not required.

Skin protection : Not required.

## 9. Physical and chemical properties

[Imformation on basic physical and chemical properties]

Color : Blue State : Liquid

Odor : No information available.

pH : about 8.0

Boiling point : No information available.[Water 100.0°C]

Melting point : No information available.

Flash point : No information available.[1,2-Ethanediol 111.0°C]
Autoignition temperature : No information available.[1,2-Ethanediol 398.0°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.

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

1,2-Ethanediol : Category3Triethanolamine : Category2

Serious eye damage/Eye Irritation

1,2-Ethanediol : Category2B
Triethanolamine : Category2A

Respiratory sensitizer

No information available.

[Date of issue]: 2015/06/12

Skin sensitizer

Triethanolamine : Category1

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

1,2-Ethanediol : Category1

Specific target organ systemic toxicity(repeated exposure)

1,2-Ethanediol : 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] 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"

## 16. Other information

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

## SAFETY DATA SHEET

# 1. Product and Company Identification

[Product name] UBA-188-M Red

[File No.] 300153E 2015/06/12 [Date of issue]

[Details of Manufacture]

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

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

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

#### 03-3450-0363

#### 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

#### **HEALTH HAZARDS**

: Not classified Acute toxicity(oral) Acute toxicity(skin) : Not classified Acute toxicity(inhalation steam) : Not classified Skin corrosion/irritation : Category3 Serious eye damage/Eye Irritation : Category2

Classification not possible Respiratory sensitizer

Skin sensitizer : Category1

Germ cell mutagenicity : Classification not possible Carcinogenicity : Classification not possible Toxic to reproduction : Classification not possible

Specific target organ systemic toxicity(single exposure) : Category1 Specific target organ systemic toxicity(repeated exposure) : Category1

Aspiration hazard : Classification not possible

**ENVIRONMENTAL HAZARDS** 

Hazard to the Aquatic Environment (Acute) : Not classified

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

[Label elements]

Pictogram





Signal Word Danger

Hazard Statement Causes mild skin irritation

Causes serious eye damage

May cause an allergic skin reaction

Causes damage to organs

: Causes damage to organs through prolonged or repeated exposure

Precautionary Statement

: Do not breathe dust/vapours etc..

: Do not eat, drink or smoke when using this product.

: Get medical advice/attention if you feel unwell.

: Wash contaminated clothing before reuse.

: IF ON SKIN: Wash with plenty of soap and water.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easys to do. Continue rinsing.

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

: If skin irritation occurs: Get medical advice/attention.

: If skin irritation or rash ouuurs: Get medical advice/attention.

: If eye irritation persists: Get medical advice/attention.

: Dispose in accordance with all current regulations and standards.

[Other hazards] No information available.

#### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.05g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
1,2-Ethanediol	107-21-1	10-30
Additive	Trade secret	10-30
Triethanolamine	102-71-6	<10
Coloring agent	Trade secret	<10
Resin	Trade secret	<10

# 4. First aid measures

[Description of first aid measures]

Eye contact : Flush eyes with plenty of water for at least 15 minutes.

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

Skin contact : Wash skin.

: Consult medical advice depending on the symptoms.

: Thoroughly clean and dry contaminated clothing and shoes before reuse.

Ingestion : Rinse mouth, give plenty of water to dilute. No specific intervention is indicated

as compound is not likely to be hazardous by ingestion.

: Consult medical advice depending on the symptoms.

Inhalation : Due to its low vapor pressure inhalation is unlikely at room temperature.

: If not feeling well, move to an area of fresh air and rest.

: Consult medical advice depending on the symptoms.

[Most important symptoms and effects, both acute and delayed]

No information available.

[Indication of any immediate medical attention and special treatment needed]

#### 5. Firefighting measures

[Extinguishing media] Regular dry chemical, carbon dioxide, water, regular foam

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters] Stay upwind and keep out of low areas and avoid inhalation of material or

combustion by-products.

Wear suitable protective equipment.

#### 6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

Rope off the area to contain the leak and prohibit entrance except for

authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

[Environmental precautions] Collect leaked material in empty container after leading outflow to a safe area

containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

Dispose of pollution or waste in accordance with national, state and local

regulations.

[Reference to other sections] No information available.

## 7. Handling and storage

[Precautions for safe handling]

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

Recap after use (if there is a cap), and keep out of the reach of infants.

on'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

[Control parameters]

[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.

pH : about 8.0

Boiling point : No information available.[Water 100.0°C]

Melting point : No information available.

Flash point : No information available.[1,2-Ethanediol 111.0°C]
Autoignition temperature : No information available.[1,2-Ethanediol 398.0°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.

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

1,2-Ethanediol : Category3Triethanolamine : Category2

Serious eye damage/Eye Irritation

1,2-Ethanediol : Category2B
Triethanolamine : Category2A

Respiratory sensitizer

Skin sensitizer

Triethanolamine : Category1

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

1,2-Ethanediol : Category1

Specific target organ systemic toxicity(repeated exposure)

1,2-Ethanediol : 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] 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"

[Date of issue]: 2015/06/12

## 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.