



501028E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture	
[Chemical nature]	[Component parts] Lead	
Chemical name	Cas No.	Concentration range(wt%)
Talc	14807-96-6	10-30
Titanium dioxide	13463-67-7	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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Talc	-	(TWA)2mg/m3

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Violet
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

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)

Titanium dioxide : 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

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

Dispose in accordance with all current regulations and standards.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

501222E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Vermilion

[File No.] 501222E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

501222E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture	
[Chemical nature]	[Component parts] Lead	
Chemical name	Cas No.	Concentration range(wt%)
Talc	14807-96-6	10-30
Titanium dioxide	13463-67-7	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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

501222E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 8. Exposure controls/personal protection

### [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	—	(TWA)10mg/m <sup>3</sup>
Talc	—	(TWA)2mg/m <sup>3</sup>
Talc	—	(TWA)2mg/m <sup>3</sup>

### [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

## 9. Physical and chemical properties

### [Information on basic physical and chemical properties]

Color	: Red
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
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 and 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.

## 11. Toxicological information

### [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

501222E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

501220E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Sky blue

[File No.] 501220E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easys to do. Continue rinsing.

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

501220E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 10-30
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

501220E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Talc	-	(TWA)2mg/m3

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Blue
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

501220E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

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)

Titanium dioxide : 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

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

Dispose in accordance with all current regulations and standards.

## 14. Transport information

[Environmental hazards]

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.

501220E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 15. Regulatory information

Information of this section is about the leads.

[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 :2010 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.





501018E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 10-30
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

501018E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	—	(TWA)10mg/m <sup>3</sup>
Talc	—	(TWA)2mg/m <sup>3</sup>
Talc	—	(TWA)2mg/m <sup>3</sup>

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Red
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

501018E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

501018E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

501215E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Prussian blue

[File No.] 501215E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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MITSUBISHI PENCIL CO., LTD.

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[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 30-50
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

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**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Talc	-	(TWA)2mg/m3

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Blue
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Pink

[File No.] 501021E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 10-30
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

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MITSUBISHI PENCIL CO., LTD.

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**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Talc	-	(TWA)2mg/m3

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Pink
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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[Date of issue]: 2019/08/07

Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

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)

Titanium dioxide : 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

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

Dispose in accordance with all current regulations and standards.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

501020E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Light orange

[File No.] 501020E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 10-30
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C



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**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Talc	-	(TWA)2mg/m3

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Orange
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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[Date of issue]: 2019/08/07

## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12,5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

501221E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Light ochre

[File No.] 501221E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Category2
Serious eye damage/Eye Irritation	: Category1
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement	: Causes skin irritation
	: Causes serious eye damage
	: 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.
: Take off contaminated clothing and wash before reuse.

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- : IF ON SKIN: Wash with plenty of soap and water.
  - : If skin irritation occurs: Get medical advice/attention.
  - : IF IN EYES: Rise cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing. Get immediate 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] Lead	
Chemical name	Cas No.	Concentration range(wt%)
Talc	14807-96-6	10-30
Titanium dioxide	13463-67-7	< 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.
- Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.
- Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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] No special precaution is needed.
- [Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.
- [Methods and material for containment and cleaning up] Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**7. Handling and storage**

[Precautions for safe handling]

Keep out of the reach of infants.

Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]

Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

**8. Exposure controls/personal protection**

[Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Talc	-	(TWA)2mg/m <sup>3</sup>

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

[Information on basic physical and chemical properties]

Color	: Ochre
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
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 and 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.

501221E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

Not classified : >5000 mg/kg (estimate value)

Acute toxicity(skin)

Not classified : >5000 mg/kg (estimate value)

Acute toxicity(inhalation:dust/mist)

Not classified : >12.5 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

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)

Titanium dioxide : 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

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

501221E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

### 13. Disposal considerations

Dispose in accordance with all current regulations and standards.

### 14. Transport information

[Environmental hazards]	No information available.
[HS Code]	960910
[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

Information of this section is about the leads.

[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 :2010 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.



501223E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Light green

[File No.] 501223E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

501223E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture	
[Chemical nature]	[Component parts] Lead	
Chemical name	Cas No.	Concentration range(wt%)
Talc	14807-96-6	30-50
Titanium dioxide	13463-67-7	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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

501223E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Talc	-	(TWA)2mg/m <sup>3</sup>

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Light green
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

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)

Titanium dioxide : 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

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

Dispose in accordance with all current regulations and standards.

501223E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

501025E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Light blue

[File No.] 501025E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 10-30
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Talc	-	(TWA)2mg/m <sup>3</sup>

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Light blue
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

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)

Titanium dioxide : 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

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

Dispose in accordance with all current regulations and standards.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

501133E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Grey

[File No.] 501133E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Category2
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.  
: Suspected of causing cancer  
: Causes damage to organs through prolonged or repeated exposure

Precautionary Statement

: Do not breathe dust/vapours etc..  
: Do not eat, drink or smoke when using this product.  
: Use personal protective equipment as required. (Refer to Section 8)  
: Get medical advice/attention if you feel unwell.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

- : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - : IF exposed or concerned: Get medical advice/attention.
  - : If eye irritation persists: Get medical advice/attention.
  - : Dispose in accordance with all current regulations and standards.
- [Other hazards] No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture	
[Chemical nature]	[Component parts] Lead	
Chemical name	Cas No.	Concentration range(wt%)
Talc	14807-96-6	30-50
Titanium dioxide	13463-67-7	10-30
Carbon black	1333-86-4	< 1

### 4. First aid measures

[Description of first aid measures]

- Eye contact : Flush eyes with plenty of water for at least 15 minutes.  
 : Take off the contact lens if possible  
 : Consult medical advice depending on the symptoms.
- Skin contact : Wash skin.  
 : Consult medical advice depending on the symptoms.
- Ingestion : Rinse mouth well and spit out as much as possible.  
 : No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.
- Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]

No special precaution is needed.

[Environmental precautions]

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

[Methods and material for containment and cleaning up]

Sweep it with brooms and collect it.

Dispose of waste in accordance with national, state and local regulations.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**7. Handling and storage**

[Precautions for safe handling]

Keep out of the reach of infants.

Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]

Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

**8. Exposure controls/personal protection**

[Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Talc	-	(TWA)2mg/m <sup>3</sup>

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

[Information on basic physical and chemical properties]

Color	: Grey
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]

This mixture is stable in normal temperature and 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.

501133E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

Not classified : >5000 mg/kg (estimate value)

Acute toxicity(skin)

Not classified : >5000 mg/kg (estimate value)

Acute toxicity(inhalation:dust/mist)

Not classified : >12.5 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

Carbon black : Category2

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

Titanium dioxide : 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

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

501133E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

**14. Transport information**

[Environmental hazards]	No information available.
[HS Code]	960910
[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**

Information of this section is about the leads.

[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 :2010 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.

501024E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Green

[File No.] 501024E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 10-30
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

501024E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Talc	-	(TWA)2mg/m <sup>3</sup>

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Green
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

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)

Titanium dioxide : 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

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

Dispose in accordance with all current regulations and standards.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture	
[Chemical nature]	[Component parts] Lead	
Chemical name	Cas No.	Concentration range(wt%)
Talc	14807-96-6	10-30
Titanium dioxide	13463-67-7	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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Talc	-	(TWA)2mg/m <sup>3</sup>

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Pink
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 30-50
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Talc	-	(TWA)2mg/m3

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Green
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12,5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Dark red

[File No.] 501217E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral) : Not classified

Acute toxicity(skin) : Not classified

Acute toxicity(inhalation mist) : Not classified

Skin corrosion/irritation : Classification not possible

Serious eye damage/Eye Irritation : Category2

Respiratory sensitizer : Classification not possible

Skin sensitizer : Classification not possible

Germ cell mutagenicity : Classification not possible

Carcinogenicity : Classification not possible

Toxic to reproduction : Classification not possible

Specific target organ systemic toxicity(single exposure) : Classification not possible

Specific target organ systemic toxicity(repeated exposure) : Category1

Aspiration hazard : Classification not possible

## ENVIRONMENTAL HAZARDS

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

Hazard to the Aquatic Environment (Chronic) : Not classified

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 30-50
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 8. Exposure controls/personal protection

### [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	—	(TWA)10mg/m <sup>3</sup>
Talc	—	(TWA)2mg/m <sup>3</sup>
Talc	—	(TWA)2mg/m <sup>3</sup>

### [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

## 9. Physical and chemical properties

### [Information on basic physical and chemical properties]

Color	: Red
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]	This mixture is stable in normal temperature and 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.

## 11. Toxicological information

### [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

501218E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Dark olive

[File No.] 501218E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Category2
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.  
: Suspected of causing cancer  
: Causes damage to organs through prolonged or repeated exposure

Precautionary Statement

: Do not breathe dust/vapours etc..  
: Do not eat, drink or smoke when using this product.  
: Use personal protective equipment as required. (Refer to Section 8)  
: Get medical advice/attention if you feel unwell.

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MITSUBISHI PENCIL CO., LTD.

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- : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - : IF exposed or concerned: Get medical advice/attention.
  - : If eye irritation persists: Get medical advice/attention.
  - : Dispose in accordance with all current regulations and standards.
- [Other hazards] No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture	
[Chemical nature]	[Component parts] Lead	
Chemical name	Cas No.	Concentration range(wt%)
Talc	14807-96-6	30-50
Titanium dioxide	13463-67-7	10-30
Carbon black	1333-86-4	< 1

### 4. First aid measures

[Description of first aid measures]

- Eye contact : Flush eyes with plenty of water for at least 15 minutes.  
 : Take off the contact lens if possible  
 : Consult medical advice depending on the symptoms.
- Skin contact : Wash skin.  
 : Consult medical advice depending on the symptoms.
- Ingestion : Rinse mouth well and spit out as much as possible.  
 : No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.
- Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]

No special precaution is needed.

[Environmental precautions]

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

[Methods and material for containment and cleaning up]

Sweep it with brooms and collect it.

Dispose of waste in accordance with national, state and local regulations.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**7. Handling and storage**

[Precautions for safe handling]

Keep out of the reach of infants.

Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]

Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

**8. Exposure controls/personal protection**

[Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Talc	-	(TWA)2mg/m <sup>3</sup>

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

[Information on basic physical and chemical properties]

Color	: Green
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]

This mixture is stable in normal temperature and 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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

Not classified : >5000 mg/kg (estimate value)

Acute toxicity(skin)

Not classified : >5000 mg/kg (estimate value)

Acute toxicity(inhalation:dust/mist)

Not classified : >12.5 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

Carbon black : Category2

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

Titanium dioxide : 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

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

**14. Transport information**

[Environmental hazards]	No information available.
[HS Code]	960910
[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**

Information of this section is about the leads.

[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 :2010 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.



501136E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Dark brown

[File No.] 501136E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Category2
Serious eye damage/Eye Irritation	: Category1
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Category1
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes skin irritation

: Causes serious eye damage

: May cause cancer

: 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.

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[Date of issue]: 2019/08/07

- : Take off contaminated clothing and wash before reuse.
- : IF ON SKIN: Wash with plenty of soap and water.
- : IF exposed or concerned: Get medical advice/attention.
- : If skin irritation occurs: Get medical advice/attention.
- : IF IN EYES: Rise cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate 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] Lead	
Chemical name	Cas No.	Concentration range(wt%)
Iron oxide	1309-37-1	10-30
Talc	14807-96-6	10-30
Titanium dioxide	13463-67-7	10-30
Carbon black	1333-86-4	< 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.
- Ingestion : Rinse mouth well and spit out as much as possible.
- : No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.
- Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]

No special precaution is needed.

[Environmental precautions]

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

[Methods and material for containment and cleaning up]

Sweep it with brooms and collect it.

Dispose of waste in accordance with national, state and local regulations.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**7. Handling and storage**

[Precautions for safe handling]

Keep out of the reach of infants.

Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]

Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0–40°C

**8. Exposure controls/personal protection**

[Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	–	(TWA)10mg/m <sup>3</sup>
Talc	–	(TWA)2mg/m <sup>3</sup>
Iron oxide	–	(TWA)5mg/m <sup>3</sup>
Carbon black	–	(TWA)3.5mg/m <sup>3</sup>

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

[Information on basic physical and chemical properties]

Color	: Brown
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]

This mixture is stable in normal temperature and pressure.

[Reactivity]

No data available.

[Conditions to avoid]

Avoid heat, flames, sparks and other sources of ignition.

Avoid direct sunlight and high temperature.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Incompatible materials] No information available.  
[Hazardous decomposition products] No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

Not classified : >5000 mg/kg (estimate value)

Acute toxicity(skin)

Not classified : >5000 mg/kg (estimate value)

Acute toxicity(inhalation:dust/mist)

Not classified : >12.5 mg/L (estimate value)

Skin corrosion/irritation

Iron oxide : Category2

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

Iron oxide : Category1

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

Carbon black : Category2

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

Titanium dioxide : Category1

Iron oxide : Category1

Carbon black : Category1

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

Dispose in accordance with all current regulations and standards.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960910

[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

Information of this section is about the leads.

[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 :2010 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.

501027E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Brown

[File No.] 501027E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral) : Not classified

Acute toxicity(skin) : Not classified

Acute toxicity(inhalation mist) : Not classified

Skin corrosion/irritation : Category2

Serious eye damage/Eye Irritation : Category1

Respiratory sensitizer : Classification not possible

Skin sensitizer : Classification not possible

Germ cell mutagenicity : Classification not possible

Carcinogenicity : Category1

Toxic to reproduction : Classification not possible

Specific target organ systemic toxicity(single exposure) : Classification not possible

Specific target organ systemic toxicity(repeated exposure) : Category1

Aspiration hazard : Classification not possible

## ENVIRONMENTAL HAZARDS

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

Hazard to the Aquatic Environment (Chronic) : Not classified

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes skin irritation

: Causes serious eye damage

: May cause cancer

: 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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

- : Take off contaminated clothing and wash before reuse.
  - : IF ON SKIN: Wash with plenty of soap and water.
  - : IF exposed or concerned: Get medical advice/attention.
  - : If skin irritation occurs: Get medical advice/attention.
  - : IF IN EYES: Rise cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing. Get immediate 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] Lead	
Chemical name	Cas No.	Concentration range(wt%)
Iron oxide	1309-37-1	10-30
Talc	14807-96-6	10-30
Titanium dioxide	13463-67-7	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.  
: Consult medical advice depending on the symptoms.
- Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.
- Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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] No special precaution is needed.
- [Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.
- [Methods and material for containment and cleaning up] Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 7. Handling and storage

[Precautions for safe handling]

Keep out of the reach of infants.

Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]

Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0–40°C

## 8. Exposure controls/personal protection

[Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	–	(TWA)10mg/m3
Talc	–	(TWA)2mg/m3
Iron oxide	–	(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

[Information on basic physical and chemical properties]

Color	: Brown
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]

This mixture is stable in normal temperature and 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.



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Hazardous decomposition products] No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

Not classified : >5000 mg/kg (estimate value)

Acute toxicity(skin)

Not classified : >5000 mg/kg (estimate value)

Acute toxicity(inhalation:dust/mist)

Not classified : >12.5 mg/L (estimate value)

Skin corrosion/irritation

Iron oxide : Category2

Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

Iron oxide : Category1

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)

Titanium dioxide : Category1

Iron oxide : Category1

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

501027E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

Dispose in accordance with all current regulations and standards.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960910

[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

Information of this section is about the leads.

[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 :2010 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.

501019E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Bright yellow

[File No.] 501019E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

501019E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 10-30
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Talc	-	(TWA)2mg/m3

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Orange
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

501019E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

501022E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Blue

[File No.] 501022E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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



501022E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 10-30
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

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[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Talc	-	(TWA)2mg/m <sup>3</sup>

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Blue
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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[Date of issue]: 2019/08/07

## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product nam           KPA-100 Apple green

[File No.]               501023E

[Date of issue]         2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word            : Danger

Hazard Statement     : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easys to do. Continue rinsing.

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

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[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 10-30
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

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**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m3
Talc	-	(TWA)2mg/m3

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Light green
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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[Date of issue]: 2019/08/07

## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12,5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 Yellow

[File No.] 501026E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Classification not possible
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.

: 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.

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

[Other hazards] : Dispose in accordance with all current regulations and standards.  
No information available.

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Lead
Chemical name	Cas No. Concentration range(wt%)
Talc	14807-96-6 10-30
Titanium dioxide	13463-67-7 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.  
: Consult medical advice depending on the symptoms.

Ingestion : Rinse mouth well and spit out as much as possible.  
: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.

Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
No special precaution is needed.

[Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]  
Sweep it with brooms and collect it.  
Dispose of waste in accordance with national, state and local regulations.

### 7. Handling and storage

[Precautions for safe handling]  
Keep out of the reach of infants.  
Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]  
Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Talc	-	(TWA)2mg/m <sup>3</sup>

## [Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

**9. Physical and chemical properties**

## [Information on basic physical and chemical properties]

Color	: Yellow
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature and 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.

**11. Toxicological information**

## [Information on toxicological effects]

Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## Acute toxicity(inhalation:dust/mist)

Not classified : &gt;12.5 mg/L (estimate value)

## Skin corrosion/irritation

No information available.

## Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

## 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)

Titanium dioxide : 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**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPA-100 White

[File No.] 501017E

[Date of issue] 2019/08/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the leads.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral)	: Not classified
Acute toxicity(skin)	: Not classified
Acute toxicity(inhalation mist)	: Not classified
Skin corrosion/irritation	: Classification not possible
Serious eye damage/Eye Irritation	: Category2
Respiratory sensitizer	: Classification not possible
Skin sensitizer	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Classification not possible
Toxic to reproduction	: Classification not possible
Specific target organ systemic toxicity(single exposure)	: Category3
Specific target organ systemic toxicity(repeated exposure)	: Category1
Aspiration hazard	: Classification not possible

## ENVIRONMENTAL HAZARDS

Hazard to the Aquatic Environment (Acute)	: Classification not possible
Hazard to the Aquatic Environment (Chronic)	: Category4

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Causes serious eye irritation.  
 : May cause respiratory irritation; or May cause drowsiness or dizziness  
 : Causes damage to organs through prolonged or repeated exposure  
 : May cause long lasting effect to aquatic life

Precautionary Statement

: Do not breathe dust/vapours etc..  
 : Do not eat, drink or smoke when using this product.  
 : Use in a well-ventilated area.

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- : Avoid release to the environment.
  - : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - : If eye irritation persists: Get medical advice/attention.
  - : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
  - : Store in a well-ventilated place. Keep container tightly closed.
  - : 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] Lead	
Chemical name	Cas No.	Concentration range(wt%)
Talc	14807-96-6	10-30
Titanium dioxide	13463-67-7	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.  
 : Consult medical advice depending on the symptoms.
- Ingestion : Rinse mouth well and spit out as much as possible.  
 : No specific intervention is indicated as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult medical advice.
- Inhalation : Not applicable, because it hardly volatilizes at the normal temperature.

### 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]  
 No special precaution is needed.
- [Environmental precautions] Do not allow leaked material to pollute rivers, lakes, etc.
- [Methods and material for containment and cleaning up]  
 Sweep it with brooms and collect it.  
 Dispose of waste in accordance with national, state and local regulations.



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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 7. Handling and storage

[Precautions for safe handling]

Keep out of the reach of infants.

Do not lick or swallow.

[Conditions for safe storage, including any incompatibilities]

Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0-40°C

## 8. Exposure controls/personal protection

[Control parameters]

Chemical name	OSHA	ACGIH
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Titanium dioxide	-	(TWA)10mg/m <sup>3</sup>
Talc	-	(TWA)2mg/m <sup>3</sup>

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Not required.
Eye protection	: Not required.
Skin protection	: Not required.

## 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: White
State	: Solid
Odor	: No information available.
pH	: No information available.
Boiling point	: No information available.
Melting point	: No information available.
Flash point	: No information available.
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: No information available.
Solubility in water	: insoluble
Evaporation rate	: No information available.
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]

This mixture is stable in normal temperature and 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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

## 11. Toxicological information

[Information on toxicological effects]

### Acute toxicity(oral)

Not classified : >5000 mg/kg (estimate value)

### Acute toxicity(skin)

Not classified : >5000 mg/kg (estimate value)

### Acute toxicity(inhalation:dust/mist)

Not classified : >12.5 mg/L (estimate value)

### Skin corrosion/irritation

No information available.

### Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

Titanium dioxide : Category2B

### 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)

Titanium dioxide : Category3

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

Titanium dioxide : Category1

Titanium dioxide : Category1

### Aspiration hazard

No information available.

### Hazard to the Aquatic Environment (Acute)

No information available.

### Hazard to the Aquatic Environment (Chronic)

Titanium dioxide : Category4

Titanium dioxide : Category4

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

Dispose in accordance with all current regulations and standards.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960910

[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**

Information of this section is about the leads.

[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 :2010 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.