

103088E

MITSUBISHI PENCIL CO., LTD.

22697-4010

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.2 Yellow  
 [File No.] 103088E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram	: Not applicable.
Signal Word	: Not applicable.
Hazard Statement	: Not applicable.
Precautionary Statement	
Not applicable.	

[Other hazards] No information available.

103088E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink [ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

[Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regular foam
[Special hazards arising from the substance or mixture]	No further relevant information available.
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products. Wear suitable protective equipment.

**6. Accidental release measures**

[Personal precautions, protective equipment and emergency procedures]	Rope off the area to contain the leak and prohibit entrance except for authorized persons. Wear appropriate protection gear. Do not work in the leeward.
[Environmental precautions]	Collect leaked material in empty container after leading outflow to a safe area containing earth and sand. Do not allow leaked material to pollute rivers, lakes, etc.
[Methods and material for containment and cleaning up]	Wipe off by dry cloth and wash with water. Dispose of pollution or waste in accordance with national, state and local regulations.
[Reference to other sections]	No information available.

103088E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**7. Handling and storage****[Precautions for safe handling]**

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

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Yellow
State	: Liquid
Odor	: No information available.
pH	: about4.9
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
<b>[Other information]</b>	<b>No information available.</b>

**10. Stability and reactivity****[Chemical stability]**

This mixture is stable in normal temperature, a condition of the pressure.

**[Reactivity]**

No data available.

**[Conditions to avoid]**

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

103088E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Avoid direct sunlight and high temperature.

[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

Not classified : >50 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

103088E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.

103118E

MITSUBISHI PENCIL CO., LTD.

22697-3710

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.80 Mauve  
 [File No.] 103118E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word

: Danger

Hazard Statement

: May cause cancer  
 : May damage fertility or the unborn child

Precautionary Statement

: Use personal protective equipment as required.(Refer to Section 8)  
 : IF exposed or concerned: Get medical advice/attention.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

103118E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures****[Description of first aid measures]**

<b>Eye contact</b>	: 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.
<b>Skin contact</b>	: Wash skin.
	: Consult medical advice depending on the symptoms.
	: Thoroughly clean and dry contaminated clothing and shoes before reuse.
<b>Ingestion</b>	: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.
	: Consult medical advice depending on the symptoms.
<b>Inhalation</b>	: Due to its low vapor pressure inhalation is unlikely at room temperature.
	: If not feeling well, move to an area of fresh air and rest.
	: Consult medical advice depending on the symptoms.

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

No information available.

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

No information available.

**5. Firefighting measures**

<b>[Extinguishing media]</b>	Regular dry chemical, carbon dioxide, water, regular foam
<b>[Special hazards arising from the substance or mixture]</b>	No further relevant information available.
<b>[Advice for firefighters]</b>	Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products. Wear suitable protective equipment.

103118E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures**

[Personal precautions, protective equipment and emergency procedures]	Rope off the area to contain the leak and prohibit entrance except for authorized persons. Wear appropriate protection gear. Do not work in the leeward.
[Environmental precautions]	Collect leaked material in empty container after leading outflow to a safe area containing earth and sand. Do not allow leaked material to pollute rivers, lakes, etc.
[Methods and material for containment and cleaning up]	Wipe off by dry cloth and wash with water. Dispose of pollution or waste in accordance with national, state and local regulations.
[Reference to other sections]	No information available.

**7. Handling and storage**

[Precautions for safe handling]	Do not lick or swallow the ink. Avoid contact with skin and eyes. Recap after use (if there is a cap), and keep out of the reach of infants. Don't shake.
[Conditions for safe storage, including any incompatibilities]	Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight. Recommended temperature : 0-40°C
[Specific end use(s)]	No information available.

**8. Exposure controls/personal protection**

[Control parameters]		
Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about5.9
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]



103118E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Autoignition temperature : No information available.  
 Explosion limits : No information available.  
 Vapor density(air=1) : No information available.  
 Density : about1.1  
 Solubility in water : No information available.  
 Evaporation rate : No information available.  
 Volatile : >70%  
 [Other information] No information available.

**10. Stability and reactivity**

[Chemical stability] This mixture is stable in normal temperature, a condition of the pressure.  
 [Reactivity] No data available.  
 [Conditions to avoid] Avoid heat, flames, sparks and other sources of ignition.  
 Avoid direct sunlight and high temperature.  
 [Incompatible materials] No information available.  
 [Hazardous decomposition products] No information available.  
 [Possibility of hazardous reactions] No information available.

**11. Toxicological information**

[Information on toxicological effects]  
 Acute toxicity(oral)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(skin)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(inhalation:vapours)  
     Not classified : >50 mg/L (estimate value)  
 Skin corrosion/irritation  
     No information available.  
 Serious eye damage/Eye Irritation  
     No information available.  
 Respiratory sensitizer  
     No information available.  
 Skin sensitizer  
     No information available.  
 Germ cell mutagenicity  
     No information available.  
 Carcinogenicity  
     No information available.  
 Toxic to reproduction  
     No information available.

103118E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**Specific target organ systemic toxicity(single exposure)**

No information available.

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

No information available.

**Aspiration hazard**

No information available.

**Hazard to the Aquatic Environment (Acute)**

No information available.

**Hazard to the Aquatic Environment (Chronic)**

No information available.

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.

103115E

MITSUBISHI PENCIL CO., LTD.

22697-7910  
[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.77 Pine green  
 [File No.] 103115E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram : Not applicable.  
 Signal Word : Not applicable.  
 Hazard Statement : Not applicable.  
 Precautionary Statement

Not applicable.

[Other hazards] No information available.

103115E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]	Mixture	
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

## [Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regular foam
[Special hazards arising from the substance or mixture]	No further relevant information available.
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products. Wear suitable protective equipment.

**6. Accidental release measures**

## [Personal precautions, protective equipment and emergency procedures]

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

Wear appropriate protection gear.

Do not work in the leeward.

## [Environmental precautions]

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

## [Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

## [Reference to other sections]

No information available.

103115E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**7. Handling and storage**

## [Precautions for safe handling]

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

## [Conditions for safe storage, including any incompatibilities]

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

Recommended temperature : 0-40°C

## [Specific end use(s)]

No information available.

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about5.2
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

**10. Stability and reactivity**

## [Chemical stability]

This mixture is stable in normal temperature, a condition of the pressure.

## [Reactivity]

No data available.

## [Conditions to avoid]

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

103115E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

	Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

Not classified : >50 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

103115E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.

103110E

MITSUBISHI PENCIL CO., LTD.

22697-3240  
[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.66 Coral pink  
 [File No.] 103110E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger  
 Hazard Statement : May cause cancer  
 : May damage fertility or the unborn child

Precautionary Statement

: Use personal protective equipment as required. (Refer to Section 8)  
 : IF exposed or concerned: Get medical advice/attention.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.



103110E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

## [Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regular foam
[Special hazards arising from the substance or mixture]	No further relevant information available.
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products. Wear suitable protective equipment.

103110E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.

**7. Handling and storage****[Precautions for safe handling]**

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

Don't shake.

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about6.1
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103110E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Autoignition temperature : No information available.  
 Explosion limits : No information available.  
 Vapor density(air=1) : No information available.  
 Density : about1.1  
 Solubility in water : No information available.  
 Evaporation rate : No information available.  
 Volatile : >70%  
 [Other information] No information available.

## 10. Stability and reactivity

[Chemical stability] This mixture is stable in normal temperature, a condition of the pressure.  
 [Reactivity] No data available.  
 [Conditions to avoid] Avoid heat, flames, sparks and other sources of ignition.  
 Avoid direct sunlight and high temperature.  
 [Incompatible materials] No information available.  
 [Hazardous decomposition products] No information available.  
 [Possibility of hazardous reactions] No information available.

## 11. Toxicological information

[Information on toxicological effects]  
 Acute toxicity(oral)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(skin)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(inhalation:vapours)  
     Not classified : >50 mg/L (estimate value)  
 Skin corrosion/irritation  
     No information available.  
 Serious eye damage/Eye Irritation  
     No information available.  
 Respiratory sensitizer  
     No information available.  
 Skin sensitizer  
     No information available.  
 Germ cell mutagenicity  
     No information available.  
 Carcinogenicity  
     No information available.  
 Toxic to reproduction  
     No information available.

103110E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

## 15. Regulatory information

Information of this section is about the ink.

[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.

103108E

MITSUBISHI PENCIL CO., LTD.

22697-4510

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.54 Light orange  
 [File No.] 103108E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram : Not applicable.  
 Signal Word : Not applicable.  
 Hazard Statement : Not applicable.  
 Precautionary Statement  
 Not applicable.

[Other hazards] No information available.

103108E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

[Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

**6. Accidental release measures**

[Personal precautions, protective equipment and emergency procedures]

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

Wear appropriate protection gear.

Do not work in the leeward.

[Environmental precautions]

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

[Reference to other sections]

No information available.

103108E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**7. Handling and storage****[Precautions for safe handling]**

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

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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 orange
State	: Liquid
Odor	: No information available.
pH	: about4.2
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
<b>[Other information]</b>	<b>No information available.</b>

**10. Stability and reactivity****[Chemical stability]**

This mixture is stable in normal temperature, a condition of the pressure.

**[Reactivity]**

No data available.

**[Conditions to avoid]**

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

103108E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Avoid direct sunlight and high temperature.

[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

Not classified : >50 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.



103108E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.

103107E

MITSUBISHI PENCIL CO., LTD.

22697-3720

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.51 Light pink  
 [File No.] 103107E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram	: Not applicable.
Signal Word	: Not applicable.
Hazard Statement	: Not applicable.
Precautionary Statement	
Not applicable.	

[Other hazards] No information available.

103107E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]	Mixture	
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

## [Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

- [Extinguishing media] Regular dry chemical, carbon dioxide, water, regular foam
- [Special hazards arising from the substance or mixture]  
No further relevant information available.
- [Advice for firefighters] Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.  
Wear suitable protective equipment.

**6. Accidental release measures**

## [Personal precautions, protective equipment and emergency procedures]

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

Wear appropriate protection gear.

Do not work in the leeward.

## [Environmental precautions]

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

## [Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

## [Reference to other sections]

No information available.

103107E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**7. Handling and storage****[Precautions for safe handling]**

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

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/m3

**[Exposure controls]**

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

**9. Physical and chemical properties****[Information on basic physical and chemical properties]**

Color	: Pink
State	: Liquid
Odor	: No information available.
pH	: about5.6
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%

**[Other information]** No information available.

**10. Stability and reactivity****[Chemical stability]**

This mixture is stable in normal temperature, a condition of the pressure.

**[Reactivity]**

No data available.

**[Conditions to avoid]**

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

103107E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Avoid direct sunlight and high temperature.

[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

Not classified : >50 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

103107E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.

103104E

MITSUBISHI PENCIL CO., LTD.

22697-5100

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.39 Blue green  
 [File No.] 103104E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger  
 Hazard Statement : May cause cancer  
 : May damage fertility or the unborn child

Precautionary Statement

: Use personal protective equipment as required. (Refer to Section 8)  
 : IF exposed or concerned: Get medical advice/attention.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

103104E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	Ink [ Ink quantity of product :about 1.0g]
Chemical name	Cas No. Concentration range(wt%)
Water	7732-18-5 50-80
Glycerine	56-81-5 < 10

**4. First aid measures**

[Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.



103104E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures**

[Personal precautions, protective equipment and emergency procedures]	Rope off the area to contain the leak and prohibit entrance except for authorized persons. Wear appropriate protection gear. Do not work in the leeward.
[Environmental precautions]	Collect leaked material in empty container after leading outflow to a safe area containing earth and sand. Do not allow leaked material to pollute rivers, lakes, etc.
[Methods and material for containment and cleaning up]	Wipe off by dry cloth and wash with water. Dispose of pollution or waste in accordance with national, state and local regulations.
[Reference to other sections]	No information available.

**7. Handling and storage**

[Precautions for safe handling]	Do not lick or swallow the ink. Avoid contact with skin and eyes. Recap after use (if there is a cap), and keep out of the reach of infants. Don't shake.
[Conditions for safe storage, including any incompatibilities]	Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight. Recommended temperature : 0-40°C
[Specific end use(s)]	No information available.

**8. Exposure controls/personal protection**

[Control parameters]		
Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about5.9
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103104E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Autoignition temperature : No information available.  
 Explosion limits : No information available.  
 Vapor density(air=1) : No information available.  
 Density : about1.1  
 Solubility in water : No information available.  
 Evaporation rate : No information available.  
 Volatile : >70%  
 [Other information] No information available.

**10. Stability and reactivity**

[Chemical stability] This mixture is stable in normal temperature, a condition of the pressure.  
 [Reactivity] No data available.  
 [Conditions to avoid] Avoid heat, flames, sparks and other sources of ignition.  
 Avoid direct sunlight and high temperature.  
 [Incompatible materials] No information available.  
 [Hazardous decomposition products] No information available.  
 [Possibility of hazardous reactions] No information available.

**11. Toxicological information**

[Information on toxicological effects]  
 Acute toxicity(oral)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(skin)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(inhalation:vapours)  
     Not classified : >50 mg/L (estimate value)  
 Skin corrosion/irritation  
     No information available.  
 Serious eye damage/Eye Irritation  
     No information available.  
 Respiratory sensitizer  
     No information available.  
 Skin sensitizer  
     No information available.  
 Germ cell mutagenicity  
     No information available.  
 Carcinogenicity  
     No information available.  
 Toxic to reproduction  
     No information available.

103104E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

## 15. Regulatory information

Information of this section is about the ink.

[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.

103103E

MITSUBISHI PENCIL CO., LTD.

22697-2500  
[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.37 Grey  
 [File No.] 103103E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger  
 Hazard Statement : May cause cancer  
 : May damage fertility or the unborn child

Precautionary Statement

: Use personal protective equipment as required. (Refer to Section 8)  
 : IF exposed or concerned: Get medical advice/attention.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

103103E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No. Concentration range(wt%)
Water	7732-18-5 50-80
Glycerine	56-81-5 < 10

**4. First aid measures**

## [Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

- [Extinguishing media] Regular dry chemical, carbon dioxide, water, regular foam
- [Special hazards arising from the substance or mixture]  
No further relevant information available.
- [Advice for firefighters] Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.  
Wear suitable protective equipment.

103103E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.

**7. Handling and storage****[Precautions for safe handling]**

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

Don't shake.

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Gray
State	: Liquid
Odor	: No information available.
pH	: about5.9
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103103E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Autoignition temperature : No information available.  
 Explosion limits : No information available.  
 Vapor density(air=1) : No information available.  
 Density : about1.1  
 Solubility in water : No information available.  
 Evaporation rate : No information available.  
 Volatile : >70%  
 [Other information] No information available.

**10. Stability and reactivity**

[Chemical stability] This mixture is stable in normal temperature, a condition of the pressure.  
 [Reactivity] No data available.  
 [Conditions to avoid] Avoid heat, flames, sparks and other sources of ignition.  
 Avoid direct sunlight and high temperature.  
 [Incompatible materials] No information available.  
 [Hazardous decomposition products] No information available.  
 [Possibility of hazardous reactions] No information available.

**11. Toxicological information**

[Information on toxicological effects]  
 Acute toxicity(oral)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(skin)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(inhalation:vapours)  
     Not classified : >50 mg/L (estimate value)  
 Skin corrosion/irritation  
     No information available.  
 Serious eye damage/Eye Irritation  
     No information available.  
 Respiratory sensitizer  
     No information available.  
 Skin sensitizer  
     No information available.  
 Germ cell mutagenicity  
     No information available.  
 Carcinogenicity  
     No information available.  
 Toxic to reproduction  
     No information available.

103103E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**Specific target organ systemic toxicity(single exposure)**

No information available.

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

No information available.

**Aspiration hazard**

No information available.

**Hazard to the Aquatic Environment (Acute)**

No information available.

**Hazard to the Aquatic Environment (Chronic)**

No information available.

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.



22697-6030

103101E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.34 Lilac  
 [File No.] 103101E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram	: Not applicable.
Signal Word	: Not applicable.
Hazard Statement	: Not applicable.
Precautionary Statement	
Not applicable.	
[Other hazards]	No information available.

1 / 5

100101E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]	[Component parts]	Mixture
[Chemical nature]	Gas No.	Ink [ Ink quantity of product :about 1.0g]
Chemical name		Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

[Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**[Extinguishing media] Regular dry chemical, carbon dioxide, water, regular foam  
[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters] Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.  
Wear suitable protective equipment.**6. Accidental release measures**

[Personal precautions, protective equipment and emergency procedures]

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

Wear appropriate protection gear.

Do not work in the leeward.

[Environmental precautions]

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

[Reference to other sections]

No information available.

2 / 5

103101E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**7. Handling and storage**

## [Precautions for safe handling]

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

## [Conditions for safe storage, including any incompatibilities]

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

Recommended temperature : 0-40°C

## [Specific end use(s)]

No information available.

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about5.9
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

**10. Stability and reactivity**

## [Chemical stability]

This mixture is stable in normal temperature, a condition of the pressure.

## [Reactivity]

No data available.

## [Conditions to avoid]

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

3 / 5

103101E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Avoid direct sunlight and high temperature.

[Incompatible materials] No information available.  
[Hazardous decomposition products] No information available.  
[Possibility of hazardous reactions] No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

Not classified : >50 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

4 / 5

103101E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.

5 / 5

501259E

MITSUBISHI PENCIL CO., LTD.

22697-8400

[Date of issue]:2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Light ochre  
 [File No.] 501259E  
 [Date of issue] 2019/08/19  
 [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.

501259E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

- : 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	30-50
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.

501259E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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	: 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.



501259E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

## 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.

501259E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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.

501238E

MITSUBISHI PENCIL CO., LTD.

22697-8210

[Date of issue]:2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Ochre  
 [File No.] 501238E  
 [Date of issue] 2019/08/19  
 [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 : Not classified  
 Respiratory sensitizer : Classification not possible  
 Skin sensitizer : Classification not possible  
 Germ cell mutagenicity : Classification not possible  
 Carcinogenicity : Classification not possible  
 Toxic to reproduction : 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 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.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

501238E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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

**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

501238E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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	: 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)

501238E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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**

No information available.

**Respiratory sensitizer**

No information available.

**Skin sensitizer**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Toxic to reproduction**

No information available.

**Specific target organ systemic toxicity(single exposure)**

No information available.

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

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.

501238E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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.

501237E

MITSUBISHI PENCIL CO., LTD.

22697-7070

[Date of issue]: 2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Dark olive  
 [File No.] 501237E  
 [Date of issue] 2019/08/19  
 [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 : Not classified  
 Respiratory sensitizer : Classification not possible  
 Skin sensitizer : Classification not possible  
 Germ cell mutagenicity : Classification not possible  
 Carcinogenicity : Classification not possible  
 Toxic to reproduction : 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 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.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.



501237E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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

**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

501237E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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)

501237E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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**

No information available.

**Respiratory sensitizer**

No information available.

**Skin sensitizer**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Toxic to reproduction**

No information available.

**Specific target organ systemic toxicity(single exposure)**

No information available.

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

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.

501237E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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.

501257E

22697-7060  
MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Green tea  
 [File No.] 501257E  
 [Date of issue] 2019/08/19  
 [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 : Not classified  
 Respiratory sensitizer : Classification not possible  
 Skin sensitizer : Classification not possible  
 Germ cell mutagenicity : Classification not possible  
 Carcinogenicity : Classification not possible  
 Toxic to reproduction : 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 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.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

501257E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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

**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

501257E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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)

501257E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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**

No information available.

**Respiratory sensitizer**

No information available.

**Skin sensitizer**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Toxic to reproduction**

No information available.

**Specific target organ systemic toxicity(single exposure)**

No information available.

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

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.



501257E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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.

501253E

MITSUBISHI PENCIL CO., LTD.

22697-7050

[Date of issue]: 2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Fresh green  
 [File No.] 501253E  
 [Date of issue] 2019/08/19  
 [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 : Not classified  
 Respiratory sensitizer : Classification not possible  
 Skin sensitizer : Classification not possible  
 Germ cell mutagenicity : Classification not possible  
 Carcinogenicity : Classification not possible  
 Toxic to reproduction : 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 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.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

501253E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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

**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

501253E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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)

501253E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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**

No information available.

**Respiratory sensitizer**

No information available.

**Skin sensitizer**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Toxic to reproduction**

No information available.

**Specific target organ systemic toxicity(single exposure)**

No information available.

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

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.

501253E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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.

501232E

MITSUBISHI PENCIL CO., LTD. 22697-5220

[Date of issue]: 2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Prussian blue  
 [File No.] 501232E  
 [Date of issue] 2019/08/19  
 [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.

501232E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

[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



501232E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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)

501232E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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.

501232E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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.

501231E

MITSUBISHI PENCIL CO., LTD. 22697-5040

[Date of issue]:2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Navy blue  
 [File No.] 501231E  
 [Date of issue] 2019/08/19  
 [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 : Not classified  
 Respiratory sensitizer : Classification not possible  
 Skin sensitizer : Classification not possible  
 Germ cell mutagenicity : Classification not possible  
 Carcinogenicity : Classification not possible  
 Toxic to reproduction : 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 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.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

501231E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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

**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

501231E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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)

501231E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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**

No information available.

**Respiratory sensitizer**

No information available.

**Skin sensitizer**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Toxic to reproduction**

No information available.

**Specific target organ systemic toxicity(single exposure)**

No information available.

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

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.

501231E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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.



501234E

MITSUBISHI PENCIL CO., LTD.

22697-3030

[Date of issue]:2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Dark red  
 [File No.] 501234E  
 [Date of issue] 2019/08/19  
 [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.

501234E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

[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

501234E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**8. Exposure controls/personal protection****[Control parameters]**

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

501234E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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.****13. Disposal considerations****Dispose in accordance with all current regulations and standards.**

501234E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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.

501241E

MITSUBISHI PENCIL CO., LTD. 22697-2590

[Date of issue]:2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Light grey  
 [File No.] 501241E  
 [Date of issue] 2019/08/19  
 [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) : 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) : Not classified

[Label elements]

Pictogram



Signal Word

: Danger

Hazard Statement

: Causes serious eye irritation.  
 : May cause respiratory irritation; or May cause drowsiness or dizziness  
 : 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 in a well-ventilated area.

501241E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

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

501241E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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.
<b>[Other information]</b>	<b>No information available.</b>

**10. Stability and reactivity**

<b>[Chemical stability]</b>	This mixture is stable in normal temperature and pressure.
<b>[Reactivity]</b>	No data available.
<b>[Conditions to avoid]</b>	Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
<b>[Incompatible materials]</b>	No information available.
<b>[Hazardous decomposition products]</b>	No information available.



501241E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

## 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)

Titanium dioxide : Category3

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.

501241E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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.

501255E

MITSUBISHI PENCIL CO., LTD.

22697-2530

[Date of issue]:2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Dark grey  
 [File No.] 501255E  
 [Date of issue] 2019/08/19  
 [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) : 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) : Not classified

[Label elements]

Pictogram



Signal Word

: Danger

Hazard Statement

: Causes serious eye irritation.  
 : May cause respiratory irritation; or May cause drowsiness or dizziness  
 : 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 in a well-ventilated area.

501255E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

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

501255E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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

**[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.

501255E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

## 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)

Titanium dioxide : Category3

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.

501255E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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.

501251E

MITSUBISHI PENCIL CO., LTD.

22697-1040

[Date of issue]:2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Ivory  
 [File No.] 501251E  
 [Date of issue] 2019/08/19  
 [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.



501251E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

- : 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	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.

501251E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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	: 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**

<b>[Chemical stability]</b>	This mixture is stable in normal temperature and pressure.
<b>[Reactivity]</b>	No data available.
<b>[Conditions to avoid]</b>	Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
<b>[Incompatible materials]</b>	No information available.
<b>[Hazardous decomposition products]</b>	No information available.

501251E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

## 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)

Titanium dioxide : Category3

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)

Titanium dioxide : Category4

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

501251E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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.

501224E

MITSUBISHI PENCIL CO., LTD.

22697-1020

[Date of issue]:2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 White  
 [File No.] 501224E  
 [Date of issue] 2019/08/19  
 [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.

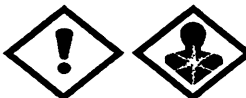
## HEALTH HAZARDS

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.

501224E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

- : 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%)
Titanium dioxide	13463-67-7	30-50
Talc	14807-96-6	10-30

### 4. First aid measures

[Description of first aid measures]

- Eye contact : Flush eyes with plenty of water for at least 15 minutes.  
 : Take off the contact lens if possible  
 : Consult medical advice depending on the symptoms.
- Skin contact : Wash skin.  
 : 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.

501224E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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	: 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.

501224E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

## 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)

Titanium dioxide : Category3

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)

Titanium dioxide : Category4

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.



501224E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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.

501244E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] KPE-200 Ash brown  
 [File No.] 501244E  
 [Date of issue] 2019/08/19  
 [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 : Not classified  
 Respiratory sensitizer : Classification not possible  
 Skin sensitizer : Classification not possible  
 Germ cell mutagenicity : Classification not possible  
 Carcinogenicity : Classification not possible  
 Toxic to reproduction : 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 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.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

501244E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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

**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

501244E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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	: 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.
[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)

501244E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/08/19

**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**

No information available.

**Respiratory sensitizer**

No information available.

**Skin sensitizer**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Toxic to reproduction**

No information available.

**Specific target organ systemic toxicity(single exposure)**

No information available.

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

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.

501244E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/08/19

**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.

104133E

MITSUBISHI PENCIL CO., LTD.

2297-5010

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.33 Blue  
 [File No.] 104133E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram : Not applicable.  
 Signal Word : Not applicable.  
 Hazard Statement : Not applicable.  
 Precautionary Statement

Not applicable.

[Other hazards] No information available.

104133E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
1,2-Propanediol	57-55-6	< 10
Glycerine	56-81-5	< 10

**4. First aid measures**

[Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.



104133E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.

**7. Handling and storage****[Precautions for safe handling]**

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

Don't shake.

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about 8.5
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

104133E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.2
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
[Reactivity]	No data available.
[Conditions to avoid]	Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]	
Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	: >50 mg/L (estimate value)
Skin corrosion/irritation	No information available.
Serious eye damage/Eye Irritation	No information available.
Respiratory sensitizer	No information available.
Skin sensitizer	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Toxic to reproduction	No information available.

104133E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

## 15. Regulatory information

Information of this section is about the ink.

[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.

103120E

MITSUBISHI PENCIL CO., LTD.

22697-7040

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.31 Emerald green

[File No.] 103120E

[Date of issue] 2019/03/07

[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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram : Not applicable.

Signal Word : Not applicable.

Hazard Statement : Not applicable.

Precautionary Statement

Not applicable.

[Other hazards] No information available.

103120E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Gas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

## [Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regular foam
[Special hazards arising from the substance or mixture]	No further relevant information available.
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products. Wear suitable protective equipment.

**6. Accidental release measures**

[Personal precautions, protective equipment and emergency procedures]	Rope off the area to contain the leak and prohibit entrance except for authorized persons. Wear appropriate protection gear. Do not work in the leeward.
[Environmental precautions]	Collect leaked material in empty container after leading outflow to a safe area containing earth and sand. Do not allow leaked material to pollute rivers, lakes, etc.
[Methods and material for containment and cleaning up]	Wipe off by dry cloth and wash with water. Dispose of pollution or waste in accordance with national, state and local regulations.
[Reference to other sections]	No information available.

103120E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**7. Handling and storage**

## [Precautions for safe handling]

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

## [Conditions for safe storage, including any incompatibilities]

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

Recommended temperature : 0-40°C

## [Specific end use(s)]

No information available.

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about5.9
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

**10. Stability and reactivity**

## [Chemical stability]

This mixture is stable in normal temperature, a condition of the pressure.

## [Reactivity]

No data available.

## [Conditions to avoid]

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

103120E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Avoid direct sunlight and high temperature.

[Incompatible materials] No information available.  
[Hazardous decomposition products] No information available.  
[Possibility of hazardous reactions] No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

Not classified : >50 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

103120E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.



103099E

MITSUBISHI PENCIL CO., LTD.

22697-4060

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.28 Lemon  
 [File No.] 103099E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram : Not applicable.  
 Signal Word : Not applicable.  
 Hazard Statement : Not applicable.  
 Precautionary Statement

Not applicable.

[Other hazards] No information available.

103099E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

[Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

**6. Accidental release measures**

[Personal precautions, protective equipment and emergency procedures]

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

Wear appropriate protection gear.

Do not work in the leeward.

[Environmental precautions]

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

[Reference to other sections]

No information available.

103099E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**7. Handling and storage**

## [Precautions for safe handling]

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

## [Conditions for safe storage, including any incompatibilities]

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

Recommended temperature : 0-40°C

## [Specific end use(s)]

No information available.

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Yellow
State	: Liquid
Odor	: No information available.
pH	: about4.8
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

**10. Stability and reactivity**

## [Chemical stability]

This mixture is stable in normal temperature, a condition of the pressure.

## [Reactivity]

No data available.

## [Conditions to avoid]

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

103099E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Avoid direct sunlight and high temperature.

[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

Not classified : >50 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

103099E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.

104132E

MITSUBISHI PENCIL CO., LTD.

22697-2020

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.24 Black  
 [File No.] 104132E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

Acute toxicity(oral) : Not classified  
 Acute toxicity(skin) : Not classified  
 Acute toxicity(inhalation steam) : Not classified  
 Skin corrosion/irritation : Classification not possible  
 Serious eye damage/Eye Irritation : Classification not possible  
 Respiratory sensitizer : Classification not possible  
 Skin sensitizer : Classification not possible  
 Germ cell mutagenicity : Classification not possible  
 Carcinogenicity : 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) : Classification not possible

[Label elements]

Pictogram



Signal Word : Danger  
 Hazard Statement : 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.  
 : IF exposed or concerned: Get medical advice/attention.

104132E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

[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]	[Component parts]	Mixture
[Chemical nature]	Cas No.	Ink[ Ink quantity of product :about 1.0g]
Chemical name		Concentration range(wt%)
Water	7732-18-5	50-80
Carbon black	1333-86-4	< 10
Glycerine	56-81-5	< 10

### 4. First aid measures

#### [Description of first aid measures]

**Eye contact** : Flush eyes with plenty of water for at least 15 minutes.  
: Take off the contact lens if possible  
: Consult medical advice depending on the symptoms.

**Skin contact** : Wash skin.  
: Consult medical advice depending on the symptoms.  
: Thoroughly clean and dry contaminated clothing and shoes before reuse.

**Ingestion** : Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.  
: Consult medical advice depending on the symptoms.

**Inhalation** : Due to its low vapor pressure inhalation is unlikely at room temperature.  
: If not feeling well, move to an area of fresh air and rest.  
: Consult medical advice depending on the symptoms.

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

No information available.

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

No information available.

### 5. Firefighting measures

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

104132E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures**

[Personal precautions, protective equipment and emergency procedures]	Rope off the area to contain the leak and prohibit entrance except for authorized persons. Wear appropriate protection gear. Do not work in the leeward.
[Environmental precautions]	Collect leaked material in empty container after leading outflow to a safe area containing earth and sand. Do not allow leaked material to pollute rivers, lakes, etc.
[Methods and material for containment and cleaning up]	Wipe off by dry cloth and wash with water. Dispose of pollution or waste in accordance with national, state and local regulations.
[Reference to other sections]	No information available.

**7. Handling and storage**

[Precautions for safe handling]	Do not lick or swallow the ink. Avoid contact with skin and eyes. Recap after use (if there is a cap), and keep out of the reach of infants. Don't shake.
[Conditions for safe storage, including any incompatibilities]	Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight. Recommended temperature : 0-40°C
[Specific end use(s)]	No information available.

**8. Exposure controls/personal protection**

[Control parameters]		
Chemical name	OSHA	ACGIH
Carbon black	-	(TWA)3.5mg/m3
Glycerine	-	(TWA)10mg/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	: Black
State	: Liquid
Odor	: No information available.
pH	: about8.5
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.



104132E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.2
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
[Reactivity]	No data available.
[Conditions to avoid]	Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

**11. Toxicological information**

[Information on toxicological effects]	
Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	: >50 mg/L (estimate value)
Skin corrosion/irritation	No information available.
Serious eye damage/Eye Irritation	No information available.
Respiratory sensitizer	No information available.
Skin sensitizer	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	
Carbon black	: Category2
Toxic to reproduction	No information available.

104132E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

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.

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

## 15. Regulatory information

Information of this section is about the ink.

[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.

103098E

MITSUBISHI PENCIL CO., LTD.

22697-8030

[Date of issue]:2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.22 Dark brown  
 [File No.] 103098E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger  
 Hazard Statement : May cause cancer  
 : May damage fertility or the unborn child

Precautionary Statement

: Use personal protective equipment as required.(Refer to Section 8)  
 : IF exposed or concerned: Get medical advice/attention.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

103098E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Gas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

## [Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

103098E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.

**7. Handling and storage****[Precautions for safe handling]**

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

Don't shake.

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about6.8
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103098E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
[Reactivity]	No data available.
[Conditions to avoid]	Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]	
Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	: >50 mg/L (estimate value)
Skin corrosion/irritation	No information available.
Serious eye damage/Eye Irritation	No information available.
Respiratory sensitizer	No information available.
Skin sensitizer	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Toxic to reproduction	No information available.

103098E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

## 15. Regulatory information

Information of this section is about the ink.

[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.

103096E

MITSUBISHI PENCIL CO., LTD.

22697-3280

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.16 Vermillion  
 [File No.] 103096E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger  
 Hazard Statement : May cause cancer  
 : May damage fertility or the unborn child

Precautionary Statement

: Use personal protective equipment as required. (Refer to Section 8)  
 : IF exposed or concerned: Get medical advice/attention.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.



103096E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

[Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.  
Wear suitable protective equipment.

103096E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.

**7. Handling and storage****[Precautions for safe handling]**

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

Don't shake.

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Vermilion
State	: Liquid
Odor	: No information available.
pH	: about6.4
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103096E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
[Reactivity]	No data available.
[Conditions to avoid]	Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

**11. Toxicological information**

[Information on toxicological effects]	
Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	: >50 mg/L (estimate value)
Skin corrosion/irritation	No information available.
Serious eye damage/Eye Irritation	No information available.
Respiratory sensitizer	No information available.
Skin sensitizer	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Toxic to reproduction	No information available.

103096E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

## 15. Regulatory information

Information of this section is about the ink.

[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.

104134E

MITSUBISHI PENCIL CO., LTD.

22697-3010

[Date of issue]:2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.15 Red  
[File No.] 104134E  
[Date of issue] 2019/03/07  
[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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram : Not applicable.  
Signal Word : Not applicable.  
Hazard Statement : Not applicable.  
Precautionary Statement

Not applicable.

[Other hazards] No information available.

104134E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Gas No.	Concentration range(wt%)
Water	7732-18-5	50-80
1,2-Propanediol	57-55-6	< 10
Glycerine	56-81-5	< 10

**4. First aid measures**

[Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

104134E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.

**7. Handling and storage****[Precautions for safe handling]**

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

Don't shake.

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Red
State	: Liquid
Odor	: No information available.
pH	: about8.6
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

104134E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.2
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

**10. Stability and reactivity**

[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
[Reactivity]	No data available.
[Conditions to avoid]	Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

**11. Toxicological information**

[Information on toxicological effects]	
Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	: >50 mg/L (estimate value)
Skin corrosion/irritation	No information available.
Serious eye damage/Eye Irritation	No information available.
Respiratory sensitizer	No information available.
Skin sensitizer	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Toxic to reproduction	No information available.



104134E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

## 15. Regulatory information

Information of this section is about the ink.

[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.

103092E

MITSUBISHI PENCIL CO., LTD.

22697-3750

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.11 Fusha  
 [File No.] 103092E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram :



Signal Word : Danger

Hazard Statement : May cause cancer  
 : May damage fertility or the unborn child

Precautionary Statement

: Use personal protective equipment as required. (Refer to Section 8)  
 : IF exposed or concerned: Get medical advice/attention.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

103092E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

[Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

103092E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.

**7. Handling and storage****[Precautions for safe handling]**

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

Don't shake.

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/m3

**[Exposure controls]**

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

**9. Physical and chemical properties****[Information on basic physical and chemical properties]**

Color	: Pink
State	: Liquid
Odor	: No information available.
pH	: about7.0
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103092E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Autoignition temperature : No information available.  
 Explosion limits : No information available.  
 Vapor density(air=1) : No information available.  
 Density : about 1.1  
 Solubility in water : No information available.  
 Evaporation rate : No information available.  
 Volatile : >70%  
 [Other information] No information available.

## 10. Stability and reactivity

[Chemical stability] This mixture is stable in normal temperature, a condition of the pressure.  
 [Reactivity] No data available.  
 [Conditions to avoid] Avoid heat, flames, sparks and other sources of ignition.  
 Avoid direct sunlight and high temperature.  
 [Incompatible materials] No information available.  
 [Hazardous decomposition products] No information available.  
 [Possibility of hazardous reactions] No information available.

## 11. Toxicological information

[Information on toxicological effects]  
 Acute toxicity(oral)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(skin)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(inhalation:vapours)  
     Not classified : >50 mg/L (estimate value)  
 Skin corrosion/irritation  
     No information available.  
 Serious eye damage/Eye Irritation  
     No information available.  
 Respiratory sensitizer  
     No information available.  
 Skin sensitizer  
     No information available.  
 Germ cell mutagenicity  
     No information available.  
 Carcinogenicity  
     No information available.  
 Toxic to reproduction  
     No information available.

103092E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

## 15. Regulatory information

Information of this section is about the ink.

[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.

103117E

MITSUBISHI PENCIL CO., LTD.

22697-5020

[Date of issue]:2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.8 Light blue  
 [File No.] 103117E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram	: Not applicable.
Signal Word	: Not applicable.
Hazard Statement	: Not applicable.
Precautionary Statement	

Not applicable.

[Other hazards] No information available.

103117E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures****[Description of first aid measures]**

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

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

No information available.

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

No information available.

**5. Firefighting measures**

[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regular foam
[Special hazards arising from the substance or mixture]	No further relevant information available.
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products. Wear suitable protective equipment.

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.



103117E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**7. Handling and storage****[Precautions for safe handling]**

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

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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 blue
State	: Liquid
Odor	: No information available.
pH	: about5.4
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

**10. Stability and reactivity****[Chemical stability]**

This mixture is stable in normal temperature, a condition of the pressure.

**[Reactivity]**

No data available.

**[Conditions to avoid]**

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

103117E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Avoid direct sunlight and high temperature.

[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

Not classified : >50 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

103117E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.

103113E

MITSUBISHI PENCIL CO., LTD.

22697-7030  
[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.7 Kahki green  
 [File No.] 103113E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger  
 Hazard Statement : May cause cancer  
 : May damage fertility or the unborn child

Precautionary Statement

: Use personal protective equipment as required. (Refer to Section 8)  
 : IF exposed or concerned: Get medical advice/attention.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

103113E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

[Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

103113E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.

**7. Handling and storage****[Precautions for safe handling]**

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

Don't shake.

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about5.9
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103113E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Autoignition temperature : No information available.  
 Explosion limits : No information available.  
 Vapor density(air=1) : No information available.  
 Density : about1.1  
 Solubility in water : No information available.  
 Evaporation rate : No information available.  
 Volatile : >70%  
 [Other information] No information available.

## 10. Stability and reactivity

[Chemical stability] This mixture is stable in normal temperature, a condition of the pressure.  
 [Reactivity] No data available.  
 [Conditions to avoid] Avoid heat, flames, sparks and other sources of ignition.  
 Avoid direct sunlight and high temperature.  
 [Incompatible materials] No information available.  
 [Hazardous decomposition products] No information available.  
 [Possibility of hazardous reactions] No information available.

## 11. Toxicological information

[Information on toxicological effects]  
 Acute toxicity(oral)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(skin)  
     Not classified : >5000 mg/kg (estimate value)  
 Acute toxicity(inhalation:vapours)  
     Not classified : >50 mg/L (estimate value)  
 Skin corrosion/irritation  
     No information available.  
 Serious eye damage/Eye Irritation  
     No information available.  
 Respiratory sensitizer  
     No information available.  
 Skin sensitizer  
     No information available.  
 Germ cell mutagenicity  
     No information available.  
 Carcinogenicity  
     No information available.  
 Toxic to reproduction  
     No information available.

103113E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

## 15. Regulatory information

Information of this section is about the ink.

[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.



103090E

MITSUBISHI PENCIL CO., LTD.

22697-7010

[Date of issue]:2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.6 Green  
 [File No.] 103090E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram : Not applicable.  
 Signal Word : Not applicable.  
 Hazard Statement : Not applicable.  
 Precautionary Statement

Not applicable.

[Other hazards] No information available.

103090E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]	Mixture
[Chemical nature]	[Component parts] Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No. Concentration range(wt%)
Water	7732-18-5 50-80
Glycerine	56-81-5 < 10

**4. First aid measures****[Description of first aid measures]**

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

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

No information available.

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

No information available.

**5. Firefighting measures**

[Extinguishing media]	Regular dry chemical, carbon dioxide, water, regular foam
[Special hazards arising from the substance or mixture]	No further relevant information available.
[Advice for firefighters]	Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products. Wear suitable protective equipment.

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.

103090E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**7. Handling and storage****[Precautions for safe handling]**

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

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about5.7
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
<b>[Other information]</b>	No information available.

**10. Stability and reactivity****[Chemical stability]**

This mixture is stable in normal temperature, a condition of the pressure.

**[Reactivity]**

No data available.

**[Conditions to avoid]**

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

103090E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

	Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

Not classified : >50 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

103090E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.

103089E

MITSUBISHI PENCIL CO., LTD.

22697-4500  
[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.4 Orange  
 [File No.] 103089E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word : Danger  
 Hazard Statement : May cause cancer  
 : May damage fertility or the unborn child

Precautionary Statement

: Use personal protective equipment as required.(Refer to Section 8)  
 : IF exposed or concerned: Get medical advice/attention.  
 : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

103089E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]		Mixture
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

## [Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

103089E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**6. Accidental release measures****[Personal precautions, protective equipment and emergency procedures]**

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

Wear appropriate protection gear.

Do not work in the leeward.

**[Environmental precautions]**

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

**[Methods and material for containment and cleaning up]**

Wipe off by dry cloth and wash with water.

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

**[Reference to other sections]**

No information available.

**7. Handling and storage****[Precautions for safe handling]**

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

Don't shake.

**[Conditions for safe storage, including any incompatibilities]**

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

Recommended temperature : 0-40°C

**[Specific end use(s)]**

No information available.

**8. Exposure controls/personal protection****[Control parameters]**

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Liquid
Odor	: No information available.
pH	: about5.8
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]



103089E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]	This mixture is stable in normal temperature, a condition of the pressure.
[Reactivity]	No data available.
[Conditions to avoid]	Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature.
[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]	
Acute toxicity(oral)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(skin)	
Not classified	: >5000 mg/kg (estimate value)
Acute toxicity(inhalation:vapours)	
Not classified	: >50 mg/L (estimate value)
Skin corrosion/irritation	No information available.
Serious eye damage/Eye Irritation	No information available.
Respiratory sensitizer	No information available.
Skin sensitizer	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Toxic to reproduction	No information available.

103089E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

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

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

Aspiration hazard  
No information available.

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

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

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

## 15. Regulatory information

Information of this section is about the ink.

[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.

103100E

MITSUBISHI PENCIL CO., LTD.

22697-4290

[Date of issue]: 2019/03/07

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.3 Bright yellow  
 [File No.] 103100E  
 [Date of issue] 2019/03/07  
 [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 ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Not applicable.

## HEALTH HAZARDS

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

## ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram : Not applicable.  
 Signal Word : Not applicable.  
 Hazard Statement : Not applicable.

Precautionary Statement

Not applicable.

[Other hazards] No information available.

103100E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**3. Composition/information on ingredients**

[The chemical product is a substance or a mixture]	Mixture	
[Chemical nature]	[Component parts]	Ink[ Ink quantity of product :about 1.0g]
Chemical name	Cas No.	Concentration range(wt%)
Water	7732-18-5	50-80
Glycerine	56-81-5	< 10

**4. First aid measures**

## [Description of first aid measures]

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

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

No information available.

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

No information available.

**5. Firefighting measures**

- [Extinguishing media] Regular dry chemical, carbon dioxide, water, regular foam
- [Special hazards arising from the substance or mixture]  
No further relevant information available.
- [Advice for firefighters] Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.  
Wear suitable protective equipment.

**6. Accidental release measures**

## [Personal precautions, protective equipment and emergency procedures]

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

Wear appropriate protection gear.

Do not work in the leeward.

## [Environmental precautions]

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

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

## [Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

## [Reference to other sections]

No information available.

103100E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**7. Handling and storage**

## [Precautions for safe handling]

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

## [Conditions for safe storage, including any incompatibilities]

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

Recommended temperature : 0-40°C

## [Specific end use(s)]

No information available.

**8. Exposure controls/personal protection**

## [Control parameters]

Chemical name	OSHA	ACGIH
Glycerine	-	(TWA)10mg/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	: Bright yellow
State	: Liquid
Odor	: No information available.
pH	: about4.6
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >70%

## [Other information]

No information available.

**10. Stability and reactivity**

## [Chemical stability]

This mixture is stable in normal temperature, a condition of the pressure.

## [Reactivity]

No data available.

## [Conditions to avoid]

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

103100E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Avoid direct sunlight and high temperature.

[Incompatible materials]	No information available.
[Hazardous decomposition products]	No information available.
[Possibility of hazardous reactions]	No information available.

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

Not classified : >50 mg/L (estimate value)

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

103100E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

**15. Regulatory information**

Information of this section is about the ink.

[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.