

104132E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-2020

21072-1039

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.

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: Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

3. Composition/information on ingredients

[The chemical product is a substance or a mixture]	[Component parts]	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.

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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	: about 8.5
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.

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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.

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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]

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[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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

21072-2500

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.

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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.

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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]

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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.

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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]

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[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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

SAFETY DATA SHEET

21072-3010

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.

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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.

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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]

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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.

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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]

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[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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

21072-3060

SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PEM-SY.13 Pink
 [File No.] 103091E
 [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.

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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.

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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 ³

[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	: about7.3
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

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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.

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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.

103107E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-3070

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.

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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.

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.

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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.

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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.

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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.

[Date of issue]:2019/03/07

21072-3240

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/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	: 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]

1031 10E

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.

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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.

[Date of issue]:2019/03/07

21072-3280

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	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.

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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.

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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.

103112E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-3510

1. Product and Company Identification

[Product name] **PEM-SY.68 Baby pink**
 [File No.] **103112E**
 [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.

103112E

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.

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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	: about 4.8
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	: 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.

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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.

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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.

103102E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-3710

1. Product and Company Identification

[Product name] PEM-SY.35 Amethyst
 [File No.] 103102E
 [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.

103102E

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.

103102E

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	: about6.9
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103102E

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.

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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.

103109E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

SAFETY DATA SHEET

21072-3720

1. Product and Company Identification

[Product name] PEM-SY.60 Red wine
 [File No.] 103109E
 [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.

103109E

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.

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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	: about 7.0
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103109E

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.

103109E

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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

SAFETY DATA SHEET

21072-3730

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]

- 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.

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.

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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.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-3750

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	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.

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 : 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.

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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.

103111E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-3780

1. Product and Company Identification

[Product name] PEM-SY.67 Pure pink
 [File No.] 103111E
 [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.

103111E

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.

103111E

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	: about6.0
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103111E

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.

103111E

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.

103088E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

21072-4010

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%

[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.

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.

103097E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

210702-4030

SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PEM-SY.19 Dark yellow
 [File No.] 103097E
 [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.

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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.

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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 : Yellow

State : Liquid

Odor : No information available.

pH : about 5.2

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

Melting point : No information available.

Flash point : No information available.[Glycerine 177.0°C]

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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.

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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.

103099E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-4060

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

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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.

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[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.

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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.

103100E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-4290

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]	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.

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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.

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MITSUBISHI PENCIL CO., LTD.

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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.

103089E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

21072-4510

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.

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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.

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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.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-4520

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.

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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.

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.

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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 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%
[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.

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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.

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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.

103124E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

21072-4960

SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PEM-SY.73 Straw yellow
 [File No.] 103124E
 [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.

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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.

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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%
[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.

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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.

103124E

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.

104133E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-5010

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.

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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	: about8.5
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

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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.

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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.

[Date of issue]: 2019/03/07

SAFETY DATA SHEET

21072-5020

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.

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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.

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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.

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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.

103106E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

21072-5070

SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PEM-SY.48 Sky blue
 [File No.] 103106E
 [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.

103106E

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.

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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	: Sky blue
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]
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.

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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.

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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.

[Date of issue]: 2019/03/07

SAFETY DATA SHEET

21072-5100

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.

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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.

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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]

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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.

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MITSUBISHI PENCIL CO., LTD.

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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.

103114E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-5110

1. Product and Company Identification

[Product name] PEM-SY.71 Turquoise
 [File No.] 103114E
 [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.

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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.

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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	: Blue
State	: Liquid
Odor	: No information available.
pH	: about6.0
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.

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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.

103114E

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.

103116E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

SAFETY DATA SHEET

21072-5290

1. Product and Company Identification

[Product name] PEM-SY.79 Saxe blue

[File No.] 103116E

[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.

103116E

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.

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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	: Blue
State	: Liquid
Odor	: No information available.
pH	: about4.7
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%
[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.

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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.

103116E

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.

103101E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

21072-6030

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.

103101E

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.

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.

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[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.

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.

103095E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

21072-6060

SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PEM-SY.12 Violet
 [File No.] 103095E
 [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.

103095E

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.

103095E

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	: about6.3
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

103095E

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.

103095E

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.

103122E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-6070

1. Product and Company Identification

[Product name] PEM-SY.63 Light violet

[File No.] 103122E

[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.

103122E

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	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.

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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	: about6.0
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.

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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.

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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.

103121E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-6410

1. Product and Company Identification

[Product name] PEM-SY.49 Iris purple

[File No.] 103121E

[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.

103121E

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.

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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	: about5.3
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]
Autoignition temperature	: No information available.
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about1.1
Solubility in water	: No information available.
Evaporation rate	: No information available.
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.

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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.

103121E

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.

103090E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-7000

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]	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%

[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.

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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.

103094E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-7010

1. Product and Company Identification

[Product name] PEM-SY.5 Light green

[File No.] 103094E

[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.

103094E

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.

103094E

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 green
State	: Liquid
Odor	: No information available.
pH	: about5.0
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.

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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.

103094E

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.

103120E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-7050

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	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.

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.

103123E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

21072-7170

SAFETY DATA SHEET**1. Product and Company Identification**

[Product name] PEM-SY.72 Apple green
 [File No.] 103123E
 [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.

103123E

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.

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.

103123E

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	: 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.

103123E

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.

103123E

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.

103119E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

21072-7840

SAFETY DATA SHEET**1. Product and Company Identification**

[Product name] **PEM-SY.81 Sea fog**
 [File No.] **103119E**
 [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.

103119E

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.

103119E

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	: Blue
State	: Liquid
Odor	: No information available.
pH	: about4.4
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	: No information available.
[Other information]	No information available.

10. Stability and reactivity

[Chemical stability]

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

[Reactivity]

No data available.

[Conditions to avoid]

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

103119E

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.

103119E

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.

103115E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-7910

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]	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.

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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.

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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.

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MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

SAFETY DATA SHEET

21072-7920

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.

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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.

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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]

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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.

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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.

103093E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

21072-8000

SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PEM-SY.21 Brown
 [File No.] 103093E
 [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.

103093E

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.

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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	: about6.4
Boiling point	: No information available.[Water 100.0°C]
Melting point	: No information available.
Flash point	: No information available.[Glycerine 177.0°C]

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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.

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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.

103098E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

21072-8030

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.

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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.

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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]

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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.

103105E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

21072-8140

SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PEM-SY.45 Beige
 [File No.] 103105E
 [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.

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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.

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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	: Beige
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]

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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.

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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.