# SAFETY DATA SHEET

21072-2020 21072-1039

1. Product and Company Identification

[Product name] PEM-SY.24 Black

[File No.] 104132E 2019/03/07 [Date of issue]

[Details of Manufacture]

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

5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN Address: Telephone number:
(Only office hour are available.) 03-3458-6281 telefax number: 03-3450-0363

### 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

**HEALTH HAZARDS** 

: Not classified Acute toxicity(oral) Not classified Acute toxicity(skin) : Not classified Acute toxicity(inhalation steam)

Skin corrosion/irritation : Classification not possible : Classification not possible Serious eye damage/Eye Irritation Respiratory sensitizer : Classification not possible Skin sensitizer Classification not possible Germ cell mutagenicity : Classification not possible

Carcinogenicity Category2

Toxic to reproduction Classification not possible Classification not possible Specific target organ systemic toxicity(single exposure)

Specific target organ systemic toxicity(repeated exposure) : Category1

Aspiration hazard : Classification not possible

**ENVIRONMENTAL HAZARDS** 

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

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 104132E

: Dispose in accordance with all current regulations and standards.

[Other hazards] No information available.

## 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

[Component parts] Ink[ Ink quantity of product :about 1.0g] [Chemical nature] Concentration range(wt%) Chemical name Cas No.

7732-18-5 50-80 Water < 10 1333-86-4 Carbon black < 10 56-81-5 Glycerine

## 4. First aid measures

[Description of first aid measures]

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

: Take off the contact lens if possible

Consult medical advice depending on the symptoms.

: Wash skin. Skin contact

: Consult medical advice depending on the symptoms.

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

Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. 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.

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

combustion by-products.

Wear suitable protective equipment.

<sup>2</sup> Page 2 of 200 Item Numbers: 21072-1039

### 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.

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

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

Recommended temperature : 0-40°C

No information available. [Specific end use(s)]

## 8. Exposure controls/personal protection

[Control parameters]

ACGIH **OSHA** Chemical name Carbon black (TWA)3.5mg/m3 (TWA)10mg/m3 Glycerine

[Exposure controls]

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

pΗ : about8.5

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

Melting point : No information available.

Item Numbers: 21072-1039

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

Autoignition temperature : No information available.

Explosion limits : No information available.

Vapor density(air=1) : No information available.

Density : about 1.2

Solubility in water : No information available. Evaporation rate : No information available.

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.

Item Numbers: 21072-1039 Page 4 of 200

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.

960820 [HS Code]

[Special precautions for user] Check the container for any leakage. Load a cargo without a dropping or

incurring damage, and take causion against collapse of container.

## 15. Regulatory information

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.

21072-2500

103103E MITSUBISHI PENCIL CO., LTD. [Date of issue]:2019/03/07

# SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PEM-SY.37 Grey

[File No.] 103103E [Date of issue] 2019/03/07

[Details of Manufacture]

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

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN
Telephone number: 03-3458-6281 telefax number: 03-3450-0363

### 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.

# 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.

[Date of issue]: 2019/03/07 103103E MITSUBISHI PENCIL CO., LTD.

### 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.

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

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.

No information available. [Reference to other sections]

### 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]

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

[Exposure controls]

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

# 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color : Grav State : Liquid

Odor : No information available.

pН : about 5.9

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

Melting point : No information available.

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

Item Numbers: 21072-1039

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.

Item Numbers: 21072-1039 Page 9 of 200

103103E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

# 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

### 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

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

## 14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or

incurring damage, and take causion 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.

# SAFETY DATA SHEET

21072-3010

1. Product and Company Identification

PEM-SY.15 Red

[File No.] 104134E [Date of issue] 2019/03/07

[Details of Manufacture]

[Product name]

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

#### 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 : Classification not possible Respiratory sensitizer 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 : Classification not possible Aspiration hazard

**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.

Page 11 of 200

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 104134E

# 3. Composition/information on ingredients

Mixture [The chemical product is a substance or a mixture]

Ink[ Ink quantity of product :about 1.0g] [Component parts] [Chemical nature] Concentration range(wt%) Cas No. Chemical name

50-80 7732-18-5 Water < 10 57-55-6 1,2-Propanediol < 10 56-81-5 Glycerine

## 4. First aid measures

[Description of first aid measures]

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

: 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.

: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Ingestion

: Consult medical advice depending on the symptoms.

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

> : 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

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

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

combustion by-products.

Wear suitable protective equipment.

[Date of issue]:2019/03/07 104134E MITSUBISHI PENCIL CO., LTD.

### 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.

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

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

Recommended temperature : 0-40°C

No information available. [Specific end use(s)]

# 8. Exposure controls/personal protection

[Control parameters]

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

[Exposure controls]

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

# 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color : Red State

Odor : No information available.

pΗ : about8.6

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

: No information available. Melting point

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

Item Numbers: 21072-1039

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 104134E

: No information available. Autoignition temperature : No information available. Explosion limits : No information available. Vapor density(air=1)

: about1.2 Density

: No information available. Solubility in water : No information available. Evaporation rate

: >70% Volatile

[Other information] No information available.

## 10. Stability and reactivity

This mixture is stable in normal temperature, a condition of the pressure. [Chemical stability]

No data available. [Reactivity]

Avoid heat, flames, sparks and other sources of ignition. [Conditions to avoid]

Avoid direct sunlight and high temperature.

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

## 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

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

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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 104134F

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

No information available. [Environmental hazards]

960820 [HS Code]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

## 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.

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.]

103091F

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 03-3458-6281

Telephone number:
(Only office hour are available,)

telefax number:

03-3450-0363

### 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

**HEALTH HAZARDS** 

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 : Classification not possible Respiratory sensitizer 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 : Classification not possible Aspiration hazard

**ENVIRONMENTAL HAZARDS** 

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

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103091E

# 3. Composition/information on ingredients

**Mixture** [The chemical product is a substance or a mixture]

Ink[ Ink quantity of product :about 1.0g] [Component parts] [Chemical nature] Concentration range(wt%) Chemical name Cas No.

50-80 7732-18-5 Water < 10 56-81-5 Glycerine

### 4. First aid measures

[Description of first aid measures]

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

: 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.

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

as compound is not likely to be hazardous by ingestion.

: Consult medical advice depending on the symptoms.

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

: 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

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

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

combustion by-products.

Wear suitable protective equipment.

Item Numbers: 21072-1039

### 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 : about7.3

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

Melting point : No information available.

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

Item Numbers: 21072-1039 Page 18 of 200

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.

103091F

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]

[Special precautions for user]

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

## 15. Regulatory information

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.

# 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

: Classification not possible

### 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 : Classification not possible Skin sensitizer 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 : Classification not possible Specific target organ systemic toxicity(repeated exposure)

**ENVIRONMENTAL HAZARDS** 

Aspiration hazard

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.

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103107E

### 3. Composition/information on ingredients

Mixture [The chemical product is a substance or a mixture]

Ink[ Ink quantity of product :about 1.0g] [Component parts] [Chemical nature] Cas No. Concentration range(wt%) Chemical name

7732-18-5 50-80 Water 56-81-5 < 10 Glycerine

### 4. First aid measures

[Description of first aid measures]

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

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

Skin contact

: Consult medical advice depending on the symptoms.

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

: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Ingestion

Consult medical advice depending on the symptoms.

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

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.

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

combustion by-products.

Wear suitable protective equipment.

## 6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

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

authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

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

containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

regulations.

[Reference to other sections] No information available.

2 / 5 Page 22 of 200 Item Numbers: 21072-1039

## 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 5.6

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.

Item Numbers: 21072-1039 Page 23 of 200

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.

Item Numbers: 21072-1039 Page 24 of 200

[Date of issue]: 2019/03/07 103107E MITSUBISHI PENCIL CO., LTD.

## 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]

[Special precautions for user]

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

# 15. Regulatory information

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.

# 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

: Classification not possible

### 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Skin corrosion/irritation

Not applicable.

**HEALTH HAZARDS** 

Acute toxicity(oral) : Not classified
Acute toxicity(skin) : Not classified
Acute toxicity(inhalation steam) : Not classified

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.

## 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]

Item Numbers: 21072-1039 Page 28 of 200

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.

Item Numbers: 21072-1039 Page 29 of 200

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 causion 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.

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

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

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.

## 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.

Item Numbers: 21072-1039 Page 32 of 200

### 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]

Item Numbers: 21072-1039 Page 33 of 200

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103096E

Autoignition temperature : No information available. : No information available. **Explosion limits** : No information available. Vapor density(air=1)

: about1.1 Density

: No information available. Solubility in water : No information available. Evaporation rate

Volatile

No information available. [Other information]

10. Stability and reactivity

This mixture is stable in normal temperature, a condition of the pressure. [Chemical stability]

No data available. [Reactivity]

Avoid heat, flames, sparks and other sources of ignition. [Conditions to avoid]

Avoid direct sunlight and high temperature.

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

11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

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

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.

Item Numbers: 21072-1039

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103096E

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

No information available. [Environmental hazards]

960820 [HS Code]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

## 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.

# 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.

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

Telephone number:

03-3458-6281

telefax number: 03-3450-0363

### 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

### **HEALTH HAZARDS**

Acute toxicity(oral) Acute toxicity(skin)

Acute toxicity(inhalation steam)

Skin corrosion/irritation

Serious eye damage/Eye Irritation Respiratory sensitizer

Skin sensitizer Germ cell mutagenicity

Carcinogenicity Toxic to reproduction

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

Aspiration hazard

# **ENVIRONMENTAL HAZARDS**

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

[Label elements]

Pictogram Signal Word : Not applicable. : Not applicable. : Not applicable.

Precautionary Statement

Not applicable.

Hazard Statement

[Other hazards]

No information available.

: Not classified : Classification not possible

: Not classified

: Not classified

: Classification not possible

Classification not possible

Classification not possible : Classification not possible

Classification not possible Classification not possible

Classification not possible Classification not possible

Classification not possible

: Classification not possible : Classification not possible

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103112E

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

Ink[ Ink quantity of product :about 1.0g] [Chemical nature] [Component parts] Concentration range(wt%) Chemical name Cas No.

7732-18-5 50-80 Water < 10 56-81-5 Glycerine

#### 4. First aid measures

[Description of first aid measures]

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

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

Skin contact

: Consult medical advice depending on the symptoms.

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

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

as compound is not likely to be hazardous by ingestion.

Consult medical advice depending on the symptoms.

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

: 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.

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

combustion by-products.

Wear suitable protective equipment.

# 6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

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

authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

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

containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

regulations.

[Reference to other sections] No information available.

2 Page 37 of 200

### 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 : 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.

Page 38 of 200

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103112E

Avoid direct sunlight and high temperature.

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

# 11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

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.

# 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 causion 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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103102F

## SAFETY DATA SHEET

21072-3710

### 1. Product and Company Identification

[Product name] PEM-SY.35 Amethyst

103102E [File No.] 2019/03/07 [Date of issue]

[Details of Manufacture]

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

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN 03-3450-0363 03-3458-6281 telefax number: Telephone number:
(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 : Not classified Acute toxicity(skin) Acute toxicity(inhalation steam) Not classified

Skin corrosion/irritation : Classification not possible Serious eye damage/Eye Irritation : Classification not possible : Classification not possible Respiratory sensitizer : Classification not possible Skin sensitizer Germ cell mutagenicity Classification not possible

: Category1 Carcinogenicity : Category1 Toxic to reproduction

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.

## 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

Ink[ Ink quantity of product :about 1.0g] [Component parts] [Chemical nature] Concentration range(wt%) Cas No. Chemical name

7732-18-5 50-80 Water < 10 56-81-5 Glycerine

#### 4. First aid measures

Inhalation

[Description of first aid measures]

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

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

· Wash skin Skin contact

: Consult medical advice depending on the symptoms.

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

Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Ingestion

: Consult medical advice depending on the symptoms.

: 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

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

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

combustion by-products.

Wear suitable protective equipment.

Page 42 of 200 Item Numbers: 21072-1039

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]

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.

Item Numbers: 21072-1039 Page 44 of 200

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 causion 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.

Item Numbers: 21072-1039 Page 45 of 200

# 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

#### 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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103109E

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

[Component parts] Ink[ Ink quantity of product :about 1.0g] [Chemical nature] Cas No. Concentration range(wt%) Chemical name

50-80 Water 7732-18-5 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.

: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. 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.

Page 47 of 200 Item Numbers: 21072-1039

### 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 : 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]

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.

Item Numbers: 21072-1039 Page 49 of 200

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 causion 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.

# SAFETY DATA SHEET

21072-3730

1. Product and Company Identification

PEM-SY.80 Mauve

[File No.] 103118E

[Date of issue] 2019/03/07

[Details of Manufacture]

[Product name]

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

### 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.

### 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.

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

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]

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

[Exposure controls]

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

## 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color : Violet State : Liquid

Odor : No information available.

pН : about5.9

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

Melting point : No information available.

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

Page 53 of 200 Item Numbers: 21072-1039

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.

Item Numbers: 21072-1039 Page 54 of 200

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 causion 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.

# 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

### 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.

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103092E

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

Ink[ Ink quantity of product :about 1.0g] [Component parts] [Chemical nature] Concentration range(wt%) Cas No. Chemical name

50-80 7732-18-5 Water < 10 56-81-5 Glycerine

## 4. First aid measures

[Description of first aid measures]

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

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

Wash skin. Skin contact

: Consult medical advice depending on the symptoms.

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

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

as compound is not likely to be hazardous by ingestion. : Consult medical advice depending on the symptoms.

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

> : 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

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

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

combustion by-products.

Wear suitable protective equipment.

Page 57 of 200 Item Numbers: 21072-1039

### 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.

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

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** (TWA)10mg/m3 Glycerine

[Exposure controls]

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

# 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color : Pink State : Liquid

Odor : No information available.

: about 7.0 рΗ

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

Melting point : No information available.

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

Item Numbers: 21072-1039

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.

Item Numbers: 21072-1039 Page 59 of 200

MITSUBISHI PENCIL CO., LTD. [Date of issue]:2019/03/07 103092E

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

No information available. [Environmental hazards]

960820 [HS Code]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

# 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]

lnk 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.

# 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.

5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN Address: 03-3450-0363 Telephone number: 03-3458-6281 telefax number:

## 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

#### **HEALTH HAZARDS**

Acute toxicity(oral) : Not classified Acute toxicity(skin) : Not classified : Not classified Acute toxicity(inhalation steam)

Skin corrosion/irritation : Classification not possible : Classification not possible Serious eye damage/Eye Irritation : Classification not possible Respiratory sensitizer Skin sensitizer : Classification not possible Germ cell mutagenicity : Classification not possible

Category1 Carcinogenicity Toxic to reproduction Category1

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

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103111E

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] **Mixture** 

[Component parts] Ink[ Ink quantity of product :about 1.0g] [Chemical nature] Chemical name Cas No. Concentration range(wt%)

Water 7732-18-5 50-80 < 10 Glycerine 56-81-5

### 4. First aid measures

[Description of first aid measures]

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

: 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.

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

as compound is not likely to be hazardous by ingestion.

: Consult medical advice depending on the symptoms.

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

> : 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.

Page 62 of 200 Item Numbers: 21072-1039

#### 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]

Item Numbers: 21072-1039 Page 63 of 200

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.

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 causion 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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103088E 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.

5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN Address: Telephone number: 03-3450-0363 03-3458-6281 telefax number:

#### 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

**HEALTH HAZARDS** 

: Not classified Acute toxicity(oral) Acute toxicity(skin) : Not classified : Not classified Acute toxicity(inhalation steam)

Skin corrosion/irritation : Classification not possible Serious eye damage/Eye Irritation : Classification not possible : Classification not possible Respiratory sensitizer 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 Classification not possible Aspiration hazard

**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.

Item Numbers: 21072-1039

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103088E

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

[Component parts] Ink[ Ink quantity of product :about 1.0g] [Chemical nature] Concentration range(wt%) Chemical name Cas No.

Water 7732-18-5 50-80 < 10 56-81-5 Glycerine

#### 4. First aid measures

[Description of first aid measures]

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

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

Skin contact

: Consult medical advice depending on the symptoms.

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

: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Ingestion

: Consult medical advice depending on the symptoms.

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

: 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

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

[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.

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

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 : 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.

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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]:2019/03/07 103088E

## 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 causion 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.

# 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

#### 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.

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.

# 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]

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

[Exposure controls]

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

# 9. Physical and chemical properties

[Information on basic physical and chemical properties]

: Yellow Color State : Liquid

Odor : No information available.

рΗ : about5.2

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

: No information available. Melting point

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

Item Numbers: 21072-1039

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.

Item Numbers: 21072-1039 Page 74 of 200

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

No information available. [Environmental hazards]

960820 [HS Code]

[Special precautions for user] Check the container for any leakage. Load a cargo without a dropping or

incurring damage, and take causion against collapse of container.

## 15. Regulatory information

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.

103099F

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

21072-4060

## SAFETY DATA SHEET

1. Product and Company Identification

[Product name]

PEM-SY.28 Lemon

[File No.]

103099E

[Date of issue]

2019/03/07

[Details of Manufacture]

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

Address:

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

Telephone number: 03-3458-6281 telefax number:

: Not classified

: Not classified

: Not classified

Classification not possible

Classification not possible : Classification not possible

: Classification not possible

: Classification not possible

Classification not possible Classification not possible

Classification not possible

: Classification not possible

: Classification not possible

: Classification not possible

: Classification not possible

03-3450-0363

### 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

**HEALTH HAZARDS** 

Acute toxicity(oral)

Acute toxicity(skin)

Acute toxicity(inhalation steam)

Skin corrosion/irritation

Serious eye damage/Eye Irritation

Respiratory sensitizer

Skin sensitizer

Germ cell mutagenicity Carcinogenicity

Toxic to reproduction

Specific target organ systemic toxicity(single exposure)

Specific target organ systemic toxicity(repeated exposure)

Aspiration hazard

**ENVIRONMENTAL HAZARDS** 

Hazard to the Aquatic Environment (Acute)

Hazard to the Aquatic Environment (Chronic)

[Label elements]

**Pictogram** 

: Not applicable.

Signal Word

: Not applicable.

Hazard Statement

: Not applicable.

Precautionary Statement

Not applicable.

[Other hazards]

No information available.

# 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

[Chemical nature] [Component parts] Ink[ 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</td>

### 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.

Item Numbers: 21072-1039 29 pf age 77 of 200

# 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.

Page 78 of 200

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.

<sup>4</sup>Page 79 of 200

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103099E

### 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

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

## 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

21072-4290

# SAFETY DATA SHEET

1. Product and Company Identification

[Product name]

PEM-SY.3 Bright yellow

[File No.]

103100E

[Date of issue]

2019/03/07

[Details of Manufacture]

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

Address:

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

Telephone number:

03-3458-6281

telefax number:

: Classification not possible

03-3450-0363

## 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

### **HEALTH HAZARDS**

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

**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.

[Chemical nature]

Chemical name

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]

[Component parts]

Ink[ Ink quantity of product :about 1.0g]

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]

Eve contact

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

Mixture

: Take off the contact lens if possible

Consult medical advice depending on the symptoms.

Skin contact

: Consult medical advice depending on the symptoms.

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

Ingestion

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

as compound is not likely to be hazardous by ingestion.

: Consult medical advice depending on the symptoms.

Inhalation

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

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

Consult medical advice depending on the symptoms.

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

No information available.

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

No information available.

# 5. Firefighting measures

[Extinguishing media]

Regular dry chemical, carbon dioxide, water, regular foam

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or

combustion by-products.

Wear suitable protective equipment.

### 6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

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

authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

[Environmental precautions]

Collect leaked material in empty container after leading outflow to a safe area

containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

regulations.

[Reference to other sections]

No information available.

# 7. Handling and storage

[Precautions for safe handling]

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

Recap after use (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.

Page 83 of 200

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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103100E

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

No information available. [Other adverse effects]

# 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.

960820 [HS Code]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

### 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.

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

Telephone number:

03-3458-6281

telefax number:

03-3450-0363

## 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

**HEALTH HAZARDS** 

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.

# 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.

Item Numbers: 21072-1039 Page 87 of 200

### 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]

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

[Exposure controls]

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

## 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color : Orange State : Liquid

Odor : No information available.

рΗ : about5.8

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

: No information available. Melting point

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

Item Numbers: 21072-1039

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103089E

: No information available. Autoignition temperature : No information available. **Explosion limits** : No information available. Vapor density(air=1)

: about1.1 Density

: No information available. Solubility in water : No information available. Evaporation rate

: >70% Volatile

[Other information] No information available.

10. Stability and reactivity

This mixture is stable in normal temperature, a condition of the pressure. [Chemical stability]

No data available. [Reactivity]

Avoid heat, flames, sparks and other sources of ignition. [Conditions to avoid]

Avoid direct sunlight and high temperature.

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

11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

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

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

No information available. [Other adverse effects]

## 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

No information available. [Environmental hazards]

960820 [HS Code]

Check the container for any leakage. Load a cargo without a dropping or [Special precautions for user]

incurring damage, and take causion 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.

# 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

: Classification not possible

## 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

**ENVIRONMENTAL HAZARDS** 

Aspiration hazard

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.

## 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.

Item Numbers: 21072-1039 2 of 200

# 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

Recommended temperature : 0-40°C

[Specific end use(s)] No information available.

## 8. Exposure controls/personal protection

[Control parameters]

ACGIH Chemical name OSHA 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.

pН : 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 · about 1.1

Solubility in water : No information available. : No information available. Evaporation rate

: >70% Volatile

[Other information] No information available.

# 10. Stability and reactivity

This mixture is stable in normal temperature, a condition of the pressure. [Chemical stability]

No data available. [Reactivity]

Avoid heat, flames, sparks and other sources of ignition. [Conditions to avoid]

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.

## 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 causion 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.

21072-4960

103124E MITSUBISHI PENCIL CO., LTD. [Date of issue]:2019/03/07

# 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.

5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN Telephone number: 03-3458-6281 telefax number: 03-3450-0363

### 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

**HEALTH HAZARDS** 

Acute toxicity(oral) : Not classified Acute toxicity(skin) : Not classified : Not classified Acute toxicity(inhalation steam)

: Classification not possible Skin corrosion/irritation 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

Classification not possible

Aspiration hazard **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.

Page 96 of 200

## 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.

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.

Item Numbers: 21072-1039 Page 97 of 200

### 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.

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.

### 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 causion 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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 104133E

## 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.

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

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

telefax number:

03-3450-0363

2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

**HEALTH HAZARDS** 

: Not classified Acute toxicity(oral) : Not classified Acute toxicity(skin) : Not classified Acute toxicity(inhalation steam)

: Classification not possible Skin corrosion/irritation : Classification not possible Serious eye damage/Eye Irritation Respiratory sensitizer Classification not possible

: Classification not possible Skin sensitizer Germ cell mutagenicity : Classification not possible Carcinogenicity Classification not possible Classification not possible Toxic to reproduction 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** 

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

# 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</td>

 Glycerine
 56-81-5
 < 10</td>

### 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.

## 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]

Item Numbers: 21072-1039 Page 103 of 200

: No information available. Autoignition temperature **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.

Item Numbers: 21072-1039

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 causion 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.

# 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

### 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 Classification not possible Respiratory sensitizer Skin sensitizer Classification not possible Germ cell mutagenicity : Classification not possible Carcinogenicity Classification not possible Classification not possible Toxic to reproduction 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.

Page 106 of 200

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103117E

# 3. Composition/information on ingredients

Mixture [The chemical product is a substance or a mixture]

Ink[ Ink quantity of product :about 1.0g] [Component parts] [Chemical nature]

Concentration range(wt%) Cas No. Chemical name 50-80

Water 7732-18-5 < 10 56-81-5 Glycerine

#### 4. First aid measures

Ingestion

[Description of first aid measures]

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

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

Skin contact

: Consult medical advice depending on the symptoms.

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

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.

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

: 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

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

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

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.

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

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 : 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.

Item Numbers: 21072-1039 Page 108 of 200

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103117E

Avoid direct sunlight and high temperature.

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

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

Acute toxicity(inhalation:vapours)

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

Skin corrosion/irritation No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Toxic to reproduction

No information available.

Specific target organ systemic toxicity(single exposure)

No information available.

Specific target organ systemic toxicity(repeated exposure)

No information available.

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

### 12. Ecological information

[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 causion 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: (Only office hour are available,)

03-3458-6281

telefax number:

Classification not possible

03-3450-0363

## 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

#### **HEALTH HAZARDS**

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

ENVIRONMENTAL HAZARDS

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

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

[Label elements]

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

Precautionary Statement

Not applicable.

[Other hazards] No information available.

1 / 5

#### 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.

## 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.

Item Numbers: 21072-1039 Page 113 of 200

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.

Item Numbers: 21072-1039 Page 114 of 200

## 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 causion 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.

## 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

#### 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.

## 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.

Item Numbers: 21072-1039 Page 117 of 200

#### 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]

Page 118 of 200

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.

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 causion 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.

## 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

#### 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.

Page 121 of 200

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] **Mixture** 

Ink[ Ink quantity of product :about 1.0g] [Chemical nature] [Component parts] Chemical name Cas No. Concentration range(wt%)

Water 7732-18-5 50-80 56-81-5 < 10 **Glycerine** 

#### 4. First aid measures

[Description of first aid measures]

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

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

· Wash skin. Skin contact

: Consult medical advice depending on the symptoms.

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

Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Ingestion

Consult medical advice depending on the symptoms.

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

: 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.

Page 122 of 200 Item Numbers: 21072-1039

## 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 : 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.

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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103114E

#### 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

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

## 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.

## 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

: Classification not possible

#### 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 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.

Page 126 of 200

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103116E

#### 3. Composition/information on ingredients

Mixture [The chemical product is a substance or a mixture]

Ink[ Ink quantity of product :about 1.0g] [Chemical nature] [Component parts] Cas No. Concentration range(wt%) Chemical name

50-80 Water 7732-18-5 < 10 56-81-5 Glycerine

#### 4. First aid measures

[Description of first aid measures]

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

: 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.

: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. 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

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

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

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.

Page 127 of 200 Item Numbers: 21072-1039

#### 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.

Page 128 of 200

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.

Item Numbers: 21072-1039 Page 129 of 200

#### 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 causion 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.

[Date of issue]: 2019/03/07 103101E MITSUBISHI PENCIL CO. LTD. 21072-6030

## SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PEM-SY.34 Lilac

[File No.] 103101E 2019/03/07 [Date of issue]

[Details of Manufacture]

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

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN Telephone number: (Only office hour are available.) 03-3450-0363 03-3458-6281 telefax number:

#### 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

## **HEALTH HAZARDS**

: Not classified Acute toxicity(oral) Acute toxicity(skin) : Not classified Acute toxicity(inhalation steam) Not classified

Skin corrosion/irritation : Classification not possible Serious eye damage/Eye Irritation : Classification not possible : Classification not possible Respiratory sensitizer 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 : Classification not possible Hazard to the Aquatic Environment (Chronic)

## [Label elements]

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

Precautionary Statement

Not applicable.

[Other hazards] No information available.

## 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

[Chemical nature] [Component parts] Ink[ 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.

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.

Item Numbers: 21072-1039 Page 132 of 200

### 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.

Page 133 of 200

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.

#### 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

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

## 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.

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.

5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN Address: Telephone number: 03-3450-0363 03-3458-6281 telefax number:

#### 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

#### **HEALTH HAZARDS**

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

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

[Date of issue]:2019/03/07 MITSUBISHI PENCIL CO., LTD. 103095E

## 3. Composition/information on ingredients

**Mixture** [The chemical product is a substance or a mixture]

Ink[ Ink quantity of product :about 1.0g] [Component parts] [Chemical nature] Concentration range(wt%) Cas No. Chemical name

50-80 7732-18-5 Water < 10 56-81-5 Glycerine

#### 4. First aid measures

[Description of first aid measures]

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

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

: Wash skin. Skin contact

: Consult medical advice depending on the symptoms.

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

: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Ingestion

: Consult medical advice depending on the symptoms.

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

> : 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

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

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

combustion by-products.

Wear suitable protective equipment.

Page 137 of 200 Item Numbers: 21072-1039

#### 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]

Page 138 of 200

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103095E

: No information available. Autoignition temperature : No information available. **Explosion limits** Vapor density(air=1) : No information available.

: about1.1 Density

: No information available. Solubility in water : No information available. Evaporation rate

: >70% Volatile

[Other information] No information available.

10. Stability and reactivity

This mixture is stable in normal temperature, a condition of the pressure. [Chemical stability]

No data available. [Reactivity]

[Conditions to avoid] Avoid heat, flames, sparks and other sources of ignition.

Avoid direct sunlight and high temperature.

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

11. Toxicological information

[Information on toxicological effects]

Acute toxicity(oral)

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

Acute toxicity(skin)

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

Acute toxicity(inhalation:vapours)

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

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.

[Date of issue]: 2019/03/07 MITSUBISHI PENCIL CO., LTD. 103095F

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.

No information available. [Other adverse effects]

#### 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

No information available. [Environmental hazards]

[HS Code]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

## 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.

## 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

#### 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 Classification not possible Respiratory sensitizer 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.

Page 141 of 200

### 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.

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.

Item Numbers: 21072-1039 Page 142 of 200

103122E

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.

No information available.

Recommended temperature : 0-40°C

[Specific end use(s)]

# 8. Exposure controls/personal protection

[Control parameters]

Chemical name

OSHA

ACGIH

Glycerine

\_

(TWA)10mg/m3

[Exposure controls]

Protective equipment
Respiratory protection
Hands protection
Eye protection

: Not required.: Not required.: Not required.

: Not required.

Skin protection

: Not required.

## 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color

: Violet

State

: Liquid : No information available.

Odor 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 Explosion limits

: No information available.: No information available.

Vapor density(air=1)

: No information available.

Density

: about1.1

Solubility in water Evaporation rate : No information available.: 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.

103122E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]:2019/03/07

Avoid direct sunlight and high temperature.

[Incompatible materials]
[Hazardous decomposition products]
[Possibility of hazardous reactions]

No information available. No information available. 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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103122E

### 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.

960820 [HS Code]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

## 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.

Item Numbers: 21072-1039

## 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

# 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 Classification not possible Serious eye damage/Eye Irritation Classification not possible Respiratory sensitizer Skin sensitizer : Classification not possible Germ cell mutagenicity : Classification not possible Classification not possible Carcinogenicity 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 : Classification not possible Aspiration hazard

### **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.

Page 146 of 200

### 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.

### 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 : 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.

Page 148 of 200

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.

Item Numbers: 21072-1039 Page 149 of 200

### 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.

960820 [HS Code]

[Special precautions for user] Check the container for any leakage. Load a cargo without a dropping or

incurring damage, and take causion against collapse of container.

#### 15. Regulatory information

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.

## 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

### 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.

Page 151 of 200

## 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

Inhalation

[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 skir

: 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.: 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.

Item Numbers: 21072-1039 Page 152 of 200

## 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]

ACGIH Chemical name **OSHA** 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.

рΗ : about5.7

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

: No information available. Melting point

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

Autoignition temperature : No information available. : No information available. Explosion limits 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.

Page 153 of 200 Item Numbers: 21072-1039

Avoid direct sunlight and high temperature.

[Incompatible materials]
[Hazardous decomposition products]
[Possibility of hazardous reactions]

No information available. No information available.

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.

Item Numbers: 21072-1039 Page 154 of 200

## 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 causion 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.

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.]

103094F

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: (Only office hour are available.)

03-3458-6281

telefax number:

03-3450-0363

#### 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

**HEALTH HAZARDS** 

: Not classified Acute toxicity(oral) Acute toxicity(skin) Acute toxicity(inhalation steam)

Skin corrosion/irritation Serious eye damage/Eye Irritation

Respiratory sensitizer Skin sensitizer Germ cell mutagenicity Carcinogenicity

Toxic to reproduction

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

Aspiration hazard

**ENVIRONMENTAL HAZARDS** 

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

[Label elements]

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

**Precautionary Statement** 

Not applicable.

[Other hazards] No information available.

: Not classified

Not classified

: Classification not possible : Classification not possible

: Classification not possible

Classification not possible Classification not possible

: Classification not possible Classification not possible

Classification not possible Classification not possible

: Classification not possible

: Classification not possible : Classification not possible

### 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.

## 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 : 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.

Page 158 of 200

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.

## 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 causion 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.

## 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

### 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.

Page 161 of 200

#### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

[Component parts] Ink[ Ink quantity of product :about 1.0g] [Chemical nature] Concentration range(wt%) Cas No. Chemical name

7732-18-5 50-80 Water 56-81-5 < 10 Glycerine

### 4. First aid measures

[Description of first aid measures]

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

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

Skin contact

: Consult medical advice depending on the symptoms.

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

Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. 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.

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

combustion by-products.

Wear suitable protective equipment.

#### 6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

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

authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

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

containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

regulations.

[Reference to other sections] No information available.

## 7. Handling and storage

[Precautions for safe handling]

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

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.

3/5

Avoid direct sunlight and high temperature.

[Incompatible materials]
[Hazardous decomposition products]

[Possibility of hazardous reactions]

No information available. No information available. 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.

#### 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 causion 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.

## 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

: Classification not possible

### 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Skin corrosion/irritation

Not applicable.

**HEALTH HAZARDS** 

Acute toxicity(oral) : Not classified
Acute toxicity(skin) : Not classified
Acute toxicity(inhalation steam) : Not classified

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.

Page 166 of 200

### 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.

## 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.

Page 168 of 200

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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103123E

#### 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

No information available. [Other adverse effects]

#### 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.

960820 [HS Code]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

### 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.

## SAFETY DATA SHEET

21072-7840

## 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

## 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.

Page 171 of 200

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103119E

### 3. Composition/information on ingredients

[The chemical product is a substance or a mixture] Mixture

Ink[ Ink quantity of product :about 1.0g] [Chemical nature] [Component parts] Concentration range(wt%) Chemical name Cas No.

Water 7732-18-5 50-80 56-81-5 < 10 Glycerine

#### 4. First aid measures

[Description of first aid measures]

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

: Take off the contact lens if possible

: Consult medical advice depending on the symptoms.

Skin contact

: Consult medical advice depending on the symptoms.

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

: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Ingestion

Consult medical advice depending on the symptoms.

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

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

: Consult medical advice depending on the symptoms.

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

No information available.

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

No information available.

### 5. Firefighting measures

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

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

combustion by-products.

Wear suitable protective equipment.

## 6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

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

authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

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

containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

regulations.

[Reference to other sections] No information available.

#### 7. Handling and storage

[Precautions for safe handling]

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

Recap after use (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.

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.

#### 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

No information available. [Other adverse effects]

#### 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.

960820 [HS Code]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take causion against collapse of container. [Special precautions for user]

#### 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.

Item Numbers: 21072-1039

## 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

: Classification not possible

: Classification not possible

#### 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Skin corrosion/irritation

Not applicable.

### **HEALTH HAZARDS**

Acute toxicity(oral) : Not classified
Acute toxicity(skin) : Not classified
Acute toxicity(inhalation steam) : Not classified

Serious eye damage/Eye Irritation : Classification not possible : Classification not possible Respiratory sensitizer Classification not possible Skin sensitizer Germ cell mutagenicity : Classification not possible Carcinogenicity Classification not possible Classification not possible Toxic to reproduction Specific target organ systemic toxicity(single exposure) Classification not possible Specific target organ systemic toxicity(repeated exposure) Classification not possible

Aspiration hazard

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.

Page 176 of 200

#### 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.

Item Numbers: 21072-1039 Page 177 of 200

## 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 : 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.

Page 178 of 200

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.

Item Numbers: 21072-1039 Page 179 of 200

## 12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

No information available. [Other adverse effects]

## 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.

960820 [HS Code]

[Special precautions for user] Check the container for any leakage. Load a cargo without a dropping or

incurring damage, and take causion against collapse of container.

### 15. Regulatory information

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.

Item Numbers: 21072-1039

# 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

# 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.

[Chemical nature]

Chemical name

103113E

MITSUBISHI PENCIL CO., LTD.

[Date of issue]: 2019/03/07

3. Composition/information on ingredients

[The chemical product is a substance or a mixture]

Mixture [Component parts]

Cas No.

Ink[ Ink quantity of product :about 1.0g]

Concentration range(wt%)

7732-18-5 Water

50-80

56-81-5 Glycerine

< 10

## 4. First aid measures

[Description of first aid measures]

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

: Take off the contact lens if possible

Consult medical advice depending on the symptoms.

Skin contact

: Consult medical advice depending on the symptoms.

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

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

as compound is not likely to be hazardous by ingestion.

: Consult medical advice depending on the symptoms.

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

: 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

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

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or

combustion by-products.

Wear suitable protective equipment.

### 6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

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

authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

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

containing earth and sand.

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

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

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

regulations

[Reference to other sections] No information available.

#### 7. Handling and storage

[Precautions for safe handling]

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

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

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]

Item Numbers: 21072-1039 Page 183 of 200

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.

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 causion 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"

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

# SAFETY DATA SHEET

21072-8000

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

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.

# 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.

Item Numbers: 21072-1039 Page 187 of 200

[Date of issue]:2019/03/07 103093F MITSUBISHI PENCIL CO., LTD.

#### 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.

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

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

No information available. [Specific end use(s)]

# 8. Exposure controls/personal protection

[Control parameters]

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

[Exposure controls]

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

# 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color : Brown State : Liquid

: No information available. Odor

рΗ : about6.4

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

Melting point : No information available.

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

Page 188 of 200

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.

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] 96082

[Special precautions for user] Check the container for any leakage. Load a cargo without a dropping or

incurring damage, and take causion against collapse of container.

# 15. Regulatory information

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"

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

# SAFETY DATA SHEET

21072-8030

# 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

#### 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.

MITSUBISHI PENCIL CO., LTD. [Date of issue]: 2019/03/07 103098E

### 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 56-81-5 < 10 Glycerine

#### 4. First aid measures

[Description of first aid measures]

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

: 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.

: Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion. 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.

Page 192 of 200 Item Numbers: 21072-1039

#### 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 : about 6.8

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.

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.

Item Numbers: 21072-1039 Page 194 of 200

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 causion 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"

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

# SAFETY DATA SHEET

21072-8140

### 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.

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

Telephone number:

03-3458-6281

telefax number:

03-3450-0363

#### 2. Hazards identification

Information of this section is about the ink. [Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

#### **HEALTH HAZARDS**

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.

No information available. [Other hazards]

### 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.

Item Numbers: 21072-1039 Page 197 of 200

### 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]

Item Numbers: 21072-1039 Page 198 of 200

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.

Item Numbers: 21072-1039 Page 199 of 200

103105E

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 causion 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"

- 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.