

# SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

## 1. Product and Company Identification

[Product name] **BLACK INK for PWB-202**

[File No.] 203049B

[Date of issue] 2018/11/26

### [Details of Manufacture]

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

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

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

### [Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33      telefax number: 33 (1) 46 94 33 00  
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

## 2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

### PHYSICO-CHEMICAL HAZARDS

Flammable Liquids : Category2

### HEALTH HAZARDS

Serious eye damage/Eye Irritation : Category1

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram :



Signal Word : Danger

Hazard Statement : Highly flammable liquid and vapour

: Causes serious eye irritation

Precautionary Statement

: Keep away from heat/sparks/open flames/hot surfaces. -No smoking.

: Keep cool.

: Ground/bond container and receiving equipment.

: IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water.

: In case of fire: Use appropriate means for fire extinguishing in accordance with all current regulations and standards.

: IF IN EYES:Rise cautiously eith water for several minutes.Remove contact lense, if present and easy to do.Continue rinsing.Get immediate medical advaice/attention.

: Store in a well-ventilated place. Keep cool.

: 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	
Chemical name	Cas No.	Concentration range(wt%)	Classification (REGULATION (EC) No 1272/2008)
Ethyl alcohol	64-17-5	50-80	Flam. Liq.2; H225
n-Propyl alcohol	71-23-8	10-30	Flam. Liq.2; H225 STOT SE3; H336 Eye Dam.1; H318
Isopropyl alcohol	67-63-0	< 10	Flam. Liq.2; H225 STOT SE3; H336 Eye Irrit2; H319

### 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  
: Then get medical attention immediately.
- Skin contact : Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes.  
: 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.  
: Consult medical advice depending on the symptoms.  
: Never take anything by mouth to an unconscious person. Consult medical advice immediately.
- Inhalation : Remove from exposure area to fresh air immediately 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, alcohol resistant 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.

Ventilate the room in case of using and don't breathe the vapor.

Recap after use, and keep out of the reach of infants.

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

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

Use a container to fill up at the time of shipment.

Recommended temperature : 0–40°C

### [Specific end use(s)]

No information available.

## 8. Exposure controls/personal protection

### [Control parameters]

Chemical name	OSHA	ACGIH
Isopropyl alcohol	–	(TWA)200ppm (STEL)400ppm
Ethyl alcohol	–	(TWA)1000ppm
n-Propyl alcohol	–	(TWA)200ppm (STEL)400ppm

### [Exposure controls]

Protective equipment	: Ventilate the room in case of using it and don't breathe the vapor. Do mechanical exhaust as needed.
Respiratory protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of the tool for protection for breathing from an aspect of the inhalation defense.
Hands protection	: Wear solvent-resistant-related protection gloves by all means.
Eye protection	: Wear protection glasses by all means.
Skin protection	: Wear solvent-resistant-related protection clothes by all means.

## 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Black
State	: Liquid
Odor	: Alcohol odor
pH	: No information available.
Boiling point	: No information available.[Ethyl alcohol 78.3°C]
Melting point	: No information available.
Flash point	: No information available.[Ethyl alcohol 13.0°C]
Autoignition temperature	: No information available.[Ethyl alcohol 439.0°C]
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about0.8
Solubility in water	: No information available.
Evaporation rate	: No information available.
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]	This mixture is stable in normal temperature, 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)

Classification not possible : No information available.

Acute toxicity(skin)

Classification not possible : No information available.

Acute toxicity(inhalation:vapours)

Classification not possible : No information available.

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Isopropyl alcohol : Category2

n-Propyl alcohol : Category1

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

## Germ cell mutagenicity

No information available.

## Carcinogenicity

No information available.

## Toxic to reproduction

No information available.

## Specific target organ systemic toxicity(single exposure)

No information available.

## Specific target organ systemic toxicity(repeated exposure)

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

[Toxicity for fish] No information available.

[Toxicity for crustaceans] No information available.

[Toxicity for algae] No information available.

[Persistence and degradability]  
No information available.

[Bioaccumulative potential] No information available.

[Mobility in soil] No information available.

[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

[Transport hazard class(es)] Class3 Flammable liquids

[UN number, proper shipping name]  
1263

[Packing group] II

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

## 15. Regulatory information

[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 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.

H225-Highly flammable liquid and vapour

H318-Causes serious eye irritation

H319-Causes serious eye damage

H336-May cause drowsiness or dizziness.

# SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

## 1. Product and Company Identification

[Product name] **BLUE INK for PWB-202**

[File No.] 203050B

[Date of issue] 2018/11/26

### [Details of Manufacture]

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

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

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

### [Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33      telefax number: 33 (1) 46 94 33 00  
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

## 2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

### PHYSICO-CHEMICAL HAZARDS

Flammable Liquids : Category2

### HEALTH HAZARDS

Serious eye damage/Eye Irritation : Category1

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram :



Signal Word : Danger

Hazard Statement : Highly flammable liquid and vapour

: Causes serious eye irritation

Precautionary Statement

: Keep away from heat/sparks/open flames/hot surfaces. -No smoking.

: Keep cool.

: Ground/bond container and receiving equipment.

: IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water.

: In case of fire: Use appropriate means for fire extinguishing in accordance with all current regulations and standards.

: IF IN EYES:Rise cautiously eith water for several minutes.Remove contact lense, if present and easy to do.Continue rinsing.Get immediate medical advaice/attention.

: Store in a well-ventilated place. Keep cool.

: 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	
Chemical name	Cas No.	Concentration range(wt%)	Classification (REGULATION (EC) No 1272/2008)
Ethyl alcohol	64-17-5	50-80	Flam. Liq.2; H225
n-Propyl alcohol	71-23-8	10-30	Flam. Liq.2; H225 STOT SE3; H336 Eye Dam.1; H318
Isopropyl alcohol	67-63-0	< 10	Flam. Liq.2; H225 STOT SE3; H336 Eye Irrit2; H319

### 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  
: Then get medical attention immediately.
- Skin contact : Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes.  
: 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.  
: Consult medical advice depending on the symptoms.  
: Never take anything by mouth to an unconscious person. Consult medical advice immediately.
- Inhalation : Remove from exposure area to fresh air immediately 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, alcohol resistant 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.

Ventilate the room in case of using and don't breathe the vapor.

Recap after use, and keep out of the reach of infants.

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

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

Use a container to fill up at the time of shipment.

Recommended temperature : 0–40°C

### [Specific end use(s)]

No information available.

## 8. Exposure controls/personal protection

### [Control parameters]

Chemical name	OSHA	ACGIH
Isopropyl alcohol	–	(TWA)200ppm (STEL)400ppm
Ethyl alcohol	–	(TWA)1000ppm
n-Propyl alcohol	–	(TWA)200ppm (STEL)400ppm

### [Exposure controls]

Protective equipment	: Ventilate the room in case of using it and don't breathe the vapor. Do mechanical exhaust as needed.
Respiratory protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of the tool for protection for breathing from an aspect of the inhalation defense.
Hands protection	: Wear solvent-resistant-related protection gloves by all means.
Eye protection	: Wear protection glasses by all means.
Skin protection	: Wear solvent-resistant-related protection clothes by all means.

## 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Blue
State	: Liquid
Odor	: Alcohol odor
pH	: No information available.
Boiling point	: No information available.[Ethyl alcohol 78.3°C]
Melting point	: No information available.
Flash point	: No information available.[Ethyl alcohol 13.0°C]
Autoignition temperature	: No information available.[Ethyl alcohol 439.0°C]
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about0.8
Solubility in water	: No information available.
Evaporation rate	: No information available.
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]	This mixture is stable in normal temperature, 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)

Classification not possible : No information available.

Acute toxicity(skin)

Classification not possible : No information available.

Acute toxicity(inhalation:vapours)

Classification not possible : No information available.

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Isopropyl alcohol : Category2

n-Propyl alcohol : Category1

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

## Germ cell mutagenicity

No information available.

## Carcinogenicity

No information available.

## Toxic to reproduction

No information available.

## Specific target organ systemic toxicity(single exposure)

No information available.

## Specific target organ systemic toxicity(repeated exposure)

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

[Toxicity for fish] No information available.

[Toxicity for crustaceans] No information available.

[Toxicity for algae] No information available.

[Persistence and degradability]  
No information available.

[Bioaccumulative potential] No information available.

[Mobility in soil] No information available.

[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

[Transport hazard class(es)] Class3 Flammable liquids

[UN number, proper shipping name]  
1263

[Packing group] II

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

## 15. Regulatory information

[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 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.

H225-Highly flammable liquid and vapour

H318-Causes serious eye irritation

H319-Causes serious eye damage

H336-May cause drowsiness or dizziness.

# SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

## 1. Product and Company Identification

[Product name] GREEN INK for PWB-202

[File No.] 203052B

[Date of issue] 2018/11/26

### [Details of Manufacture]

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

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

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

### [Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33      telefax number: 33 (1) 46 94 33 00  
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

## 2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

### PHYSICO-CHEMICAL HAZARDS

Flammable Liquids : Category2

### HEALTH HAZARDS

Serious eye damage/Eye Irritation : Category1

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram :



Signal Word : Danger

Hazard Statement : Highly flammable liquid and vapour

: Causes serious eye irritation

Precautionary Statement

: Keep away from heat/sparks/open flames/hot surfaces. -No smoking.

: Keep cool.

: Ground/bond container and receiving equipment.

: IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water.

: In case of fire: Use appropriate means for fire extinguishing in accordance with all current regulations and standards.

: IF IN EYES:Rise cautiously eith water for several minutes.Remove contact lense, if present and easy to do.Continue rinsing.Get immediate medical advaice/attention.

: Store in a well-ventilated place. Keep cool.

: 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	
Chemical name	Cas No.	Concentration range(wt%)	Classification (REGULATION (EC) No 1272/2008)
Ethyl alcohol	64-17-5	50-80	Flam. Liq.2; H225
Isopropyl alcohol	67-63-0	< 10	Flam. Liq.2; H225 STOT SE3; H336 Eye Irrit2; H319
n-Propyl alcohol	71-23-8	< 10	Flam. Liq.2; H225 STOT SE3; H336 Eye Dam.1; H318

### 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  
: Then get medical attention immediately.
- Skin contact : Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes.  
: 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.  
: Consult medical advice depending on the symptoms.  
: Never take anything by mouth to an unconscious person. Consult medical advice immediately.
- Inhalation : Remove from exposure area to fresh air immediately 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, alcohol resistant 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.

Ventilate the room in case of using and don't breathe the vapor.

Recap after use, and keep out of the reach of infants.

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

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

Use a container to fill up at the time of shipment.

Recommended temperature : 0–40°C

### [Specific end use(s)]

No information available.

## 8. Exposure controls/personal protection

### [Control parameters]

Chemical name	OSHA	ACGIH
Isopropyl alcohol	–	(TWA)200ppm (STEL)400ppm
Ethyl alcohol	–	(TWA)1000ppm
n-Propyl alcohol	–	(TWA)200ppm (STEL)400ppm

### [Exposure controls]

Protective equipment	: Ventilate the room in case of using it and don't breathe the vapor. Do mechanical exhaust as needed.
Respiratory protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of the tool for protection for breathing from an aspect of the inhalation defense.
Hands protection	: Wear solvent-resistant-related protection gloves by all means.
Eye protection	: Wear protection glasses by all means.
Skin protection	: Wear solvent-resistant-related protection clothes by all means.

## 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Green
State	: Liquid
Odor	: Alcohol odor
pH	: No information available.
Boiling point	: No information available.[Ethyl alcohol 78.3°C]
Melting point	: No information available.
Flash point	: No information available.[Isopropyl alcohol 11.7°C]
Autoignition temperature	: No information available.[Ethyl alcohol 439.0°C]
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about0.8
Solubility in water	: No information available.
Evaporation rate	: No information available.
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]	This mixture is stable in normal temperature, 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)

Classification not possible : No information available.

Acute toxicity(skin)

Classification not possible : No information available.

Acute toxicity(inhalation:vapours)

Classification not possible : No information available.

Skin corrosion/irritation

No information available.

Serious eye damage/Eye Irritation

Isopropyl alcohol : Category2

n-Propyl alcohol : Category1

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.



## Germ cell mutagenicity

No information available.

## Carcinogenicity

No information available.

## Toxic to reproduction

No information available.

## Specific target organ systemic toxicity(single exposure)

No information available.

## Specific target organ systemic toxicity(repeated exposure)

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

[Toxicity for fish] No information available.

[Toxicity for crustaceans] No information available.

[Toxicity for algae] No information available.

[Persistence and degradability]  
No information available.

[Bioaccumulative potential] No information available.

[Mobility in soil] No information available.

[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

[Transport hazard class(es)] Class3 Flammable liquids

[UN number, proper shipping name]  
1263

[Packing group] II

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

## 15. Regulatory information

[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 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.

H225-Highly flammable liquid and vapour

H318-Causes serious eye irritation

H319-Causes serious eye damage

H336-May cause drowsiness or dizziness.

# SAFETY DATA SHEET according to Regulation (EC) No.1907/2006

## 1. Product and Company Identification

[Product name] RED INK for PWB-202

[File No.] 203051B

[Date of issue] 2018/11/26

### [Details of Manufacture]

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

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

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

### [Details of Supplier]

Supplier's name: Mitsubishi Pencil France S.A

Address: 32 Avenue Pierre Grenier, 92517 BOULOGNE BILLANCOURT CEDEX, FRANCE

Telephone number: 33 (1) 46 94 33 33      telefax number: 33 (1) 46 94 33 00  
(Only office hour are available.)

Emergency phone number: 33 (1) 46 94 33 33

## 2. Hazards identification

[Classification of the substance or mixture] Classification (REGULATION (EC) No 1272/2008)

### PHYSICO-CHEMICAL HAZARDS

Flammable Liquids : Category2

### HEALTH HAZARDS

Serious eye damage/Eye Irritation : Category1

[Label elements] Classification (REGULATION (EC) No 1272/2008)

Pictogram :



Signal Word : Danger

Hazard Statement : Highly flammable liquid and vapour

: Causes serious eye irritation

Precautionary Statement

: Keep away from heat/sparks/open flames/hot surfaces. -No smoking.

: Keep cool.

: Ground/bond container and receiving equipment.

: IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water.

: In case of fire: Use appropriate means for fire extinguishing in accordance with all current regulations and standards.

: IF IN EYES:Rise cautiously eith water for several minutes.Remove contact lense, if present and easy to do.Continue rinsing.Get immediate medical advaice/attention.

: Store in a well-ventilated place. Keep cool.

: 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	
Chemical name	Cas No.	Concentration range(wt%)	Classification (REGULATION (EC) No 1272/2008)
Ethyl alcohol	64-17-5	50-80	Flam. Liq.2; H225
n-Propyl alcohol	71-23-8	10-30	Flam. Liq.2; H225 STOT SE3; H336 Eye Dam.1; H318
Isopropyl alcohol	67-63-0	< 10	Flam. Liq.2; H225 STOT SE3; H336 Eye Irrit2; H319

### 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  
: Then get medical attention immediately.
- Skin contact : Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes.  
: 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.  
: Consult medical advice depending on the symptoms.  
: Never take anything by mouth to an unconscious person. Consult medical advice immediately.
- Inhalation : Remove from exposure area to fresh air immediately 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, alcohol resistant 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.

Ventilate the room in case of using and don't breathe the vapor.

Recap after use, and keep out of the reach of infants.

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

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

Use a container to fill up at the time of shipment.

Recommended temperature : 0–40°C

### [Specific end use(s)]

No information available.

## 8. Exposure controls/personal protection

### [Control parameters]

Chemical name	OSHA	ACGIH
Isopropyl alcohol	–	(TWA)200ppm (STEL)400ppm
Ethyl alcohol	–	(TWA)1000ppm
n-Propyl alcohol	–	(TWA)200ppm (STEL)400ppm

### [Exposure controls]

Protective equipment	: Ventilate the room in case of using it and don't breathe the vapor. Do mechanical exhaust as needed.
Respiratory protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of the tool for protection for breathing from an aspect of the inhalation defense.
Hands protection	: Wear solvent-resistant-related protection gloves by all means.
Eye protection	: Wear protection glasses by all means.
Skin protection	: Wear solvent-resistant-related protection clothes by all means.

## 9. Physical and chemical properties

[Information on basic physical and chemical properties]

Color	: Red
State	: Liquid
Odor	: Alcohol odor
pH	: No information available.
Boiling point	: No information available.[Ethyl alcohol 78.3°C]
Melting point	: No information available.
Flash point	: No information available.[Ethyl alcohol 13.0°C]
Autoignition temperature	: No information available.[Ethyl alcohol 439.0°C]
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about0.8
Solubility in water	: No information available.
Evaporation rate	: No information available.
[Other information]	No information available.

## 10. Stability and reactivity

[Chemical stability]	This mixture is stable in normal temperature, 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)	
Classification not possible	: No information available.
Acute toxicity(skin)	
Classification not possible	: No information available.
Acute toxicity(inhalation:vapours)	
Classification not possible	: No information available.
Skin corrosion/irritation	No information available.
Serious eye damage/Eye Irritation	
Isopropyl alcohol	: Category2
n-Propyl alcohol	: Category1
Respiratory sensitizer	No information available.
Skin sensitizer	No information available.

## Germ cell mutagenicity

No information available.

## Carcinogenicity

No information available.

## Toxic to reproduction

No information available.

## Specific target organ systemic toxicity(single exposure)

No information available.

## Specific target organ systemic toxicity(repeated exposure)

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

[Toxicity for fish] No information available.

[Toxicity for crustaceans] No information available.

[Toxicity for algae] No information available.

[Persistence and degradability]  
No information available.

[Bioaccumulative potential] No information available.

[Mobility in soil] No information available.

[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

[Transport hazard class(es)] Class3 Flammable liquids

[UN number, proper shipping name]  
1263

[Packing group] II

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

## 15. Regulatory information

[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 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.

H225-Highly flammable liquid and vapour

H318-Causes serious eye irritation

H319-Causes serious eye damage

H336-May cause drowsiness or dizziness.