

## SAFETY DATA SHEET

DOC NO.00010

## 1. Product and Company Identification

[Product name] PX-20 Blue

[File No.] 202002E

[Date of issue] 2016/03/07

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

## PHYSICO-CHEMICAL HAZARDS

Flammable Liquids : Category2

## HEALTH HAZARDS

Acute toxicity(oral) : Not classified

Acute toxicity(skin) : Not classified

Acute toxicity(inhalation steam) : Not classified

Skin corrosion/irritation : Category2

Serious eye damage/Eye Irritation : Category2

Respiratory sensitizer : Classification not possible

Skin sensitizer : Classification not possible

Germ cell mutagenicity : Classification not possible

Carcinogenicity : Category2

Toxic to reproduction : Category1

Specific target organ systemic toxicity(single exposure) : Category1

Specific target organ systemic toxicity(repeated exposure) : Category1

Aspiration hazard : Category2

## ENVIRONMENTAL HAZARDS

Hazard to the Aquatic Environment (Acute) : Category2

Hazard to the Aquatic Environment (Chronic) : Category2

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement :

- : Highly flammable liquid and vapour
- : Causes skin irritation
- : Causes serious eye damage
- : Suspected of causing cancer
- : May damage fertility or the unborn child
- : Causes damage to organs
- : Causes damage to organs through prolonged or repeated exposure
- : May be harmful if swallowed and enters airways

- : Toxic to aquatic life
- : Toxic to aquatic life with long lasting effect

DOC NO.00010

## Precautionary Statement

- : Keep away from heat/sparks/open flames/hot surfaces. –No smoking.
- : Keep cool.
- : Ground/bond container and receiving equipment.
- : Do not breathe dust/vapours etc..
- : Do not eat, drink or smoke when using this product.
- : Avoid release to the environment.
- : Use personal protective equipment as required.(Refer to Section 8)
- : Get medical advice/attention if you feel unwell.
- : Take off contaminated clothing and wash before reuse.
- : Collect spillage.
- : IF ON SKIN: Wash with plenty of soap and water.
- : IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water.
- : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- : IF exposed or concerned: Get medical advice/attention.
- : If skin irritation occurs: Get medical advice/attention.
- : If eye irritation persists: Get medical advice/attention.
- : In case of fire: Use appropriate means for fire extinguishing in accordance with all current regulations and standards.
- : IF SWALLOWED: Get immediate medical advice/attention. Do NOT induce vomiting.
- : 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[ Ink quantity of product :about 8.0g]
Chemical name	Cas No.	Concentration range(wt%)
Xylenes	1330-20-7	30-50
Titanium dioxide	13463-67-7	10-30
Ethylbenzene	100-41-4	<10

DOC NO.00010

#### 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.  
: Consult medical advice depending on the symptoms.  
: Thoroughly clean and dry contaminated clothing and shoes before reuse.
- Ingestion : Consult medical advice, and show the SDS to physician.  
: Never give anything by mouth. If vomiting occurs, keep head lower than hips to help prevent aspiration.
- Inhalation : Remove from exposure area to fresh air immediately. Give artificial respiration if not breathing.  
: Consult medical advice, and show the SDS to physician.

##### [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.

DOC NO.00010

## 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 (if there is a cap), and keep out of the reach of childrens.

### [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
Titanium dioxide	-	(TWA)10mg/m3
Xylenes	-	(TWA)100ppm (STEL)150ppm

### [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	: 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	: Aromatic odor
pH	: No information available.
Boiling point	: No information available.[Ethylbenzene 136.0°C]
Melting point	: No information available.
Flash point	: No information available.[Ethylbenzene 18.0°C]
Autoignition temperature	: No information available.[Ethylbenzene 432.0°C]
Explosion limits	: No information available.
Vapor density(air=1)	: No information available.
Density	: about 1.3
Solubility in water	: No information available.
Evaporation rate	: No information available.
Volatile	: >40%

### [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.	DOC NO.00010
[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 : >2000 mg/kg (estimate value)

#### Acute toxicity(skin)

Not classified : >2000 mg/kg (estimate value)

#### Acute toxicity(inhalation:vapours)

Not classified : >20 mg/L (estimate value)

#### Skin corrosion/irritation

Xylenes : Category2

Ethylbenzene : Category3

#### Serious eye damage/Eye Irritation

Titanium dioxide : Category2B

Xylenes : Category2A

Ethylbenzene : Category2B

#### Respiratory sensitizer

No information available.

#### Skin sensitizer

No information available.

#### Germ cell mutagenicity

No information available.

#### Carcinogenicity

Ethylbenzene : Category2

#### Toxic to reproduction

Xylenes : Category1B

Ethylbenzene : Category1B

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

Titanium dioxide : Category3

Xylenes : Category1

Ethylbenzene : Category2

## Specific target organ systemic toxicity(repeated exposure)

DOC NO.00010

Titanium dioxide : Category1

Xylenes : Category1

## Aspiration hazard

Xylenes : Category2

Ethylbenzene : Category1

## Hazard to the Aquatic Environment (Acute)

Xylenes : Category2

Ethylbenzene : Category1

## Hazard to the Aquatic Environment (Chronic)

Titanium dioxide : Category4

Xylenes : Category2

## 12. Ecological information

No information available.

## 13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

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

## 14. Transport information

[Environmental hazards] No information available.

[HS Code] 960820

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

## 15. Regulatory information

TSCA : Listed on the TSCA inventory or polymer substance.

[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.



**MITSUBISHI PENCIL**

Sumitomofudosan Oimachi Ekimae Bldg 1-28-1

Oi, Shinagawa, Tokyo 140-8537, Japan

Tel:+81(0)3 3458 6281 Fax:+81(0)3 3450 0363

5<sup>th</sup> of Feb.2018

To whom it may concern,

This is the letter of confirmation that there is no change in any legal materials for  
UN I Paint Marker production since January 1<sup>st</sup> of 2010.

Thus, we would like to confirm that MSDS and RoHS documents issued by Mitsubishi  
Pencil Co., Ltd. on 2017 are still valid.

Yours sincerely

A handwritten signature in black ink, appearing to read "Sakae Hayao".

Sakae Hayao

General Manager

Mitsubishi Pencil Co., Ltd.