

# SAFETY DATA SHEET

## 1. Product and Company Identification

[Product name] PX-20 Silver

[File No.] 202020E

[Date of issue] 2018/03/19

[Details of Manufacture]

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

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

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

## 2. Hazards identification

Information of this section is about the 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 : Category1

### 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

: May be fatal if swallowed and enters airways

: 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

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

## 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 easys 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 advaice/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	50-80
Ethylbenzene	100-41-4	10-30
Aluminum (as paste)	7429-90-5	< 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  
 : 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.

## 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
Aluminum (as paste)	-	(TWA)10ppm
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	: Silver
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	: about1.0
Solubility in water	: insoluble
Evaporation rate	: No information available.
Volatile	: >60%
[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	
Xylenes	: Category2
Ethylbenzene	: Category3
Serious eye damage/Eye Irritation	
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)	
Xylenes	: Category1
Ethylbenzene	: Category2
Specific target organ systemic toxicity(repeated exposure)	
Aluminum (as paste)	: 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)**

Aluminum (as paste) : Category4  
Xylenes : Category2

**12. Ecological information**

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

**13. Disposal considerations**

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

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

**14. Transport information**

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

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

**15. Regulatory information**

Information of this section is about the ink.

[Safety, health and environmental regulations/legislation specific for the substance or mixture]

Follow all regulation in your country.

[Chemical safety assessment]

Ink or lead are manufactured in accordance with ISO 8124-3 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.