

SAFETY DATA SHEET

1. Product and Company Identification

[Product name] PX-20 Green

[File No.] 202011E

[Date of issue] 2015/02/13

[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) : Category4

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

: Harmful if inhaled

: 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 fatal if swallowed and enters airways
- : 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.
 - : Use in a well-ventilated area.
 - : 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 INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - : 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 8.2g]
Chemical name	Cas No.	Concentration range(wt%)
Titanium dioxide	13463-67-7	30-50
Ethylbenzene	100-41-4	10-30
Xylenes	1330-20-7	10-30

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 windward direction.

[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
Titanium dioxide	-	(TWA)10mg/m ³
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	: Green
State	: Liquid
Odor	: Aromatic odor
pH	: No information available.
Boiling point	: No information available.[Ethylbenzene 136°C]
Melting point	: No information available.
Flash point	: No information available.[Ethylbenzene 18°C]
Autoignition temperature	: No information available.[Ethylbenzene 432°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.
[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)

Category4 : $10 < LC50 \leq 20$ 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)

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.