

SAFETY DATA SHEET

1. Product and Company Identification

[Product name] INK for uni POSCA basic color (PC-1M/3M/5M/7M/8K/17K/1MR,PCF-350)

[File No.] 100670E

[Date of issue] 2022/01/05

[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

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Flammable Liquids : Category3

HEALTH HAZARDS

Acute toxicity(oral) : Not classified

Acute toxicity(skin) : Not classified

Acute toxicity(inhalation steam) : Not classified

Skin corrosion/irritation : Category3

Serious eye damage/Eye Irritation : Category2

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) : Category1

Specific target organ systemic toxicity(repeated exposure) : Category1

Aspiration hazard : Not classified

ENVIRONMENTAL HAZARDS

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

Hazard to the Aquatic Environment (Chronic) : Not classified

[Label elements]

Pictogram



Signal Word : Danger

Hazard Statement : Flammable liquid and vapour

: Causes mild skin irritation

: Causes serious eye irritation.

: May cause cancer

: May damage fertility or the unborn child

: Causes damage to organs

: Causes damage to organs through prolonged or repeated exposure

Precautionary Statement

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

- : Keep container tightly closed.
 - : Keep cool.
 - : Ground/bond container and receiving equipment.
 - : Use explosion-proof equipment.
 - : Use only non-sparking tools.
 - : Take precautionary measures against static discharge.
 - : Do not breathe dust/vapours etc..
 - : Wash the body after handling.
 - : Do not eat, drink or smoke when using this product.
 - : Wear protective gloves/protective clothing/eye protection/face protection.
 - : Use personal protective equipment as required.(Refer to Section 8)
 - : Get medical advice/attention if you feel unwell.
 - : 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.
 - : Store locked up.
 - : 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]
Chemical name	Cas No.
	Concentration range(wt%)
Water	7732-18-5
Titanium dioxide	13463-67-7
1,2-Ethanediol	107-21-1
1,2-Propanediol	57-55-6
2-Propanol	67-63-0
Aluminum (as paste)	7429-90-5
Carbon black	1333-86-4
Ethanol	64-17-5
Glycerine	56-81-5
Propylene glycol monomethyl ether	107-98-2
1-Propanol	71-23-8

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 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. 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]

Avoid contact with skin and eyes.

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

Do not lick or swallow.

[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
Titanium dioxide	(TWA)15mg/m ³	(TWA)10mg/m ³
Aluminum (as paste)	–	(TWA)10ppm
Carbon black	–	(TWA)3.5mg/m ³
2-Propanol	–	(TWA)200ppm (STEL)400ppm
Ethanol	–	(TWA)1000ppm
1,2-Ethandiol	–	(STEL)100mg/m ³
Glycerine	–	(TWA)10mg/m ³
Propylene glycol monomethyl ether	–	(TWA)100ppm (STEL)150ppm

[Exposure controls]

Protective equipment	: Not required.
Respiratory protection	: Not required.
Hands protection	: Although not necessary in particular, persons with hypersensitivity are recommended to wear protective gloves in terms of contact protection.
Eye protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection glasses from an aspect of the contact defense.
Skin protection	: It is not particularly necessary, but the person of the erethism recommends in particular the wearing of protection clothes from an aspect of the contact defense.

9. Physical and chemical properties

[Information on basic physical and chemical properties]

Physical State	: Liquid
Color	: Black/ Blue/ Red/ Green/ Light green/ Violet/ Yellow/ Orange/ Pink/ Light blue/ Brown/ Grey/ White/ Gold/ Silver/ Beige
Odor	: No information available.
Melting point / Freezing point	: No information available.
Boiling point or initial boiling point	: No information available.[Water 100.0°C]

Lower and upper explosion limit/flammability limitExplosion limits	: No information available.
Flash point	: >40°C(Closed cup) [Product does not sustain combustion.]
Autoignition temperature	: No information available.
pH	: 7-9
Solubility in water	: No information available.
Density and/or relative density	: No information available.
Relative vapor density (Air=1)	: 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 and 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)	
Not classified	: >20 mg/L (estimate value)
Skin corrosion/irritation	
1,2-Ethanediol	: Category2
Serious eye damage/Eye Irritation	
2-Propanol	: Category2
Ethanol	: Category2B
1,2-Ethanediol	: Category2B
Propylene glycol monomethyl ether	: Category2B
Respiratory sensitizer	
No information available.	
Skin sensitizer	
No information available.	
Germ cell mutagenicity	
No information available.	

Carcinogenicity

Titanium dioxide	: Category2
Carbon black	: Category2
Ethanol	: Category1A

Toxic to reproduction

Ethanol	: Category1A
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Specific target organ systemic toxicity(single exposure)

Aluminum (as paste)	: Category1
2-Propanol	: Category1
1,2-Ethenediol	: Category1
1,2-Propanediol	: Category1

Specific target organ systemic toxicity(repeated exposure)

Titanium dioxide	: Category1
Aluminum (as paste)	: Category1
Carbon black	: Category1
2-Propanol	: Category1
Ethanol	: Category1
1,2-Propanediol	: 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

[Transport hazard class(es)]

Not applicable.

[UN number, proper shipping name]

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[Packing group]

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[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]

No chemical safety assessment has been carried out for this product.

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.