

1. Product and Company Identification

[Product name] uni POSCA Metallic all colors (PC-5M/8K, PC-1MR)
 [File No.] 100656E
 [Date of issue] 2020/12/23
 [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

Not applicable.

HEALTH HAZARDS

Acute toxicity(oral) : Not classified
 Acute toxicity(skin) : Not classified
 Acute toxicity(inhalation steam) : Not classified
 Skin corrosion/irritation : Classification not possible
 Serious eye damage/Eye Irritation : Not classified
 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 : Classification not possible

ENVIRONMENTAL HAZARDS

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

[Label elements]

Pictogram



Signal Word

: Danger

Hazard Statement

: 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

: Do not breathe dust/vapours etc..
 : Do not eat, drink or smoke when using this product.
 : Use personal protective equipment as required.(Refer to Section 8)

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Get medical advice/attention if you feel unwell.

- [Other hazards]
- : IF exposed or concerned: Get medical advice/attention.
 - : Dispose in accordance with all current regulations and standards.
 - 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%)
Water	7732-18-5 50-80
Aluminum (as paste)	7429-90-5 < 10
Glycerine	56-81-5 < 10
Propylene glycol monomethyl ether	107-98-2 < 10
Ethanol	64-17-5 < 1

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.
 - : 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.

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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.

Recap after use (if there is a cap), 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.

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
Glycerine	-	(TWA)10mg/m3
Propylene glycol monomethyl ether	-	(TWA)100ppm (STEL)150ppm

[Exposure controls]

Protective equipment : Not required.

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 : Various

State : Liquid

Odor : No information available.

pH : No information available.

Boiling point : No information available.[Water 100.0°C]

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Melting point : No information available.

Flash point : No information available.

Autoignition temperature : No information available.[Aluminum (as paste) 590.0°C]

Explosion limits : No information available.

Vapor density(air=1) : No information available.

Density : No information available.

Solubility in water : No information available.

Evaporation rate : No information available.

Volatile : >70%

[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

No information available.

Serious eye damage/Eye Irritation

No information available.

Respiratory sensitizer

No information available.

Skin sensitizer

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

Ethanol : Category1A

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Ethanol : Category1A

Specific target organ systemic toxicity(single exposure)

Aluminum (as paste) : Category1

Specific target organ systemic toxicity(repeated exposure)

Aluminum (as paste) : 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

[Environmental hazards]

No information available.

[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 :2010 Safety of Toys – Part 3"

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10. 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.