

Safety Data Sheet

Section 1. Identification of the substance/mixture and of the company/undertaking

【Product identifier】

[Product name] INK for uni POSCA

[Product No.] PC-1M/3M/3ML/5M/7M/8K/17K、PC-1MR、PCF-350

[Ink color] Black/ White/ Sunshine yellow/ Straw-yellow/ Yellow/ Ochre/ Bright-yellow/
Light-orange/ Apricot/ Orange/ Red/ Ruby-red/ Dark-red/ Red-wine/ Raspberry/
Fuchsia/ Pink/ Coral-pink/ Light-pink/ Lavender/ Lilac/ Violet/ Navy-blue/
Prussian-blue/ Blue/ Light-blue/ Glacier Blue/ Sky-blue/ Turquoise/ Aqua-green/
Light-green/ Apple-green/ Emerald-green/ Green/ English-green/ Khaki-green/
Ivory/ Beige/ Brown/ Cacao-brown/ Dark-brown/ Deep-grey/ Grey/ Slate-grey/
Gold/ Silver/ Bronze/ Metallic-blue/ Metallic-violet/ Metallic-pink/ Metallic-red/
Metallic-green/fluorescent-orange/ fluorescent-light-orange/ fluorescent-yellow/
fluorescent-red / fluorescent-pink/ fluorescent-green/ Glitter-yellow/
Glitter-orange/ Glitter-red/ Glitter-pink/ Glitter-violet/ Glitter-blue/
Glitter-light-blue/ Glitter-green/ Satin Pink/ Powder Pink/ Chestnut
Grape green/ Forest green

【Relevant identified uses of the substance or mixture and uses advised against】

[Recommended use] Ink for writing instrument

[Restriction on use] No data available.

【Details of the supplier of the safety data sheet】

【Manufacturer】

(Company name) MITSUBISHI PENCIL COMPANY, LIMITED

(Address) 5-23-37, Higashi-Ohi, Shinagawa-ku, Tokyo, Japan

(Telephone number) +81-3-3458-6964

(FAX) +81-3-3458-3713

Section 2. Hazards identification

【Classification according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)】

[PHYSICAL AND CHEMICAL HAZARDS]

Flammable liquids: Category 3

[HEALTH HAZARDS]

Skin sensitization: Category 1

(Note) GHS classification without description: Not classified/Classification not possible

【Label elements】

Labelling according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)



[Signal word]Warning

[HAZARD STATEMENT]

Flammable liquid and vapor

May cause an allergic skin reaction

[PRECAUTIONARY STATEMENT]

(Prevention)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground and bond container and receiving equipment.
 Use explosion-proof electrical/ventilating/lighting equipment.
 Use non-sparking tools.
 Take action to prevent static discharges.
 Avoid breathing dust/fume/gas/mist/vapors/spray.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.

(Response)

In case of fire: Use appropriate media to extinguish.
 Specific treatment is required.
 IF ON SKIN: Wash with plenty of soap and water.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 If skin irritation or rash occurs: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.

(Storage)

Store in a well-ventilated place. Keep cool.

(Disposal)

Dispose of contents/container in accordance with local/national regulation.

Section 3. Composition/information on ingredients

【Mixture/Substance selection】

Mixture

Ingredient name	CAS No.	Content (%)
Water	7732-18-5	< 80
Titanium dioxide	13463-67-7	< 30
Carbon black	1333-86-4	< 10
Ethyl alcohol	64-17-5	< 5
Isopropyl alcohol	67-63-0	< 5
1,2-Benzisothiazolin-3-one	2634-33-5	< 0.1
3(2H)-Isothiazolone, 2-methyl-	2682-20-4	< 0.01

Section 4. First-aid measures

【Descriptions of first-aid measures】

[IF INHALED]

Get medical advice/attention if you feel unwell.

[IF ON SKIN (or hair)]

Take off immediately all contaminated clothing. Rinse skin with water or shower.

Wash contaminated clothing before reuse.

Gently wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

If you observe unusual symptom, have irritation/pain and/or feel unwell, seek medical advice.

[IF IN EYES]

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

[IF SWALLOWED]

Rinse mouth with water. Give the person one or two glasses of water.

Get medical advice/attention if you feel unwell.

【Most important symptoms and effects, both acute and delayed】

No data available.

【Indication of any immediate medical attention and special treatment needed】

No data available.

Section 5. Fire-fighting measures

【Extinguishing media】

[Suitable extinguishing media]

In case of fire, use water mist, foam, dry powder, CO2 to extinguish.

[Unsuitable extinguishing media]

No data available.

【Specific hazards arising from the substance or mixture】

No data available.

【Advice for firefighters】

[Specific fire-fighting measures]

Fight fire with normal precautions from a reasonable distance.

Shut off fuel to fire if possible to do so without hazard.

[Special protective equipment and precautions for fire-fighters]

Wear protective gloves/protective clothing/eye protection/face protection.

Firefighters should wear self-contained breathing apparatus with a full face piece operated in the positive pressure mode.

Section 6. Accidental release measures

【Personnel precautions, protective equipment and emergency procedures】

Keep unauthorized personnel away.

Wear proper protective equipment.

Stand at upwind. Evacuate personnel at downwind.

【Environmental precautions】

Prevent spills from entering sewers, watercourses or low areas.

【Methods and materials for containment and cleaning up】

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

【Preventive measures for secondary accident】

Collect spillage.

Consult an expert on the disposal of recovered material.

Stop leak if safe to do so.

Section 7. Handling and storage

【Precautions for safe handling】

[Preventive measures]

(Exposure Control for handling personnel)

Do not breathe vapors/fume.

(Protective measures against fire and explosion)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

[Safety Measures]

Use personal protective equipment as required.

[Incompatibilities]

No data available.

[Advice on general occupational hygiene]

Do not get in eyes, on skin, or on clothing.

Wash contaminated parts thoroughly after handling.

Do not eat, drink or smoke when using this product.

【Storage】

[Conditions for safe storage]

Keep container tightly closed.

Protect from sunlight. Store in a well-ventilated place.

[Container and packaging materials for safe handling]

Keep only in original packaging.

【Specific end use(s)】

No data available.

Section 8. Exposure controls/personal protection

【Control parameters】

[Adopted value]

OSHA-PEL

(Titanium dioxide)

TWA: 15mg/m³

(Carbon black)

TWA: 3.5mg/m³

(Ethyl alcohol)

TWA: 1000ppm, 1900mg/m³

(Isopropyl alcohol)

TWA: 400ppm, 980mg/m³

NIOSH-REL

(Titanium dioxide)

Ca(ultrafine particles); TWA: 2.4 mg/m³ (fine);

TWA: 0.3 mg/m³ (ultrafine);

See Appendix A; See NIOSH Intelligence Bulletin 63

(Carbon black)

TWA: 3.5mg/m³ (without PAHs); when PAHs are present, NIOSH considers carbon black to be a potential carcinogen.

See Appendix A, See Appendix C.

(Ethyl alcohol)

TWA: 1000ppm

(Isopropyl alcohol)

TWA: 400ppm; STEL: 500ppm

【Exposure controls】

[Appropriate engineering controls]

Do not use in areas without adequate ventilation.

[Individual protection measures]

(Hand protection)

Wear protective gloves.

(Eye protection)

Wear eye/face protection.

(Skin and body protection)

Wear protective clothing.

Section 9. Physical and Chemical Properties

【Information on basic physical and chemical properties】

Physical state	Liquid
Color	Various
Odor	Moderate odor
Odor threshold	No data available.
Melting point/Freezing point	No data available.
Boiling point or initial boiling point	No data available.
Boiling range	No data available.
Flammability (gases, liquids and solids)	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	About 53°C No continuous combustion
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Self-Accelerating Decomposition Temperature/SADT	No data available.
pH	6.5–9.7

Dynamic viscosity	No data available.
Kinematic viscosity	No data available.
Solubility in water	No data available.
Solubility in solvent	No data available.
n-Octanol/water partition coefficient	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Density and/or relative density	No data available.
Relative vapor density (Air=1)	No data available.
Relative density of the Vapor/air – mixture at 20°C (Air = 1)	No data available.
Particle characteristics	No data available.

Section 10. Stability and Reactivity

【Reactivity】

No data available.

【Chemical stability】

Stable under atmospheric pressure at room temperature.

【Possibility of hazardous reactions】

No data available.

【Conditions to avoid】

See SDS section 7 – Handling and storage.

【Incompatible materials】

No data available.

【Hazardous decomposition products】

No data available.

Section 11. Toxicological Information

【Information on toxicological effects】

Acute toxicity (Oral)	>2,000mg/kg (Estimated value)
Acute toxicity (Dermal)	>2,000mg/kg (Estimated value)
Acute toxicity (Inhalation)	>20mg/L (Estimated value)
Skin corrosion/irritation	No data available.
Serious eye damage/irritation	No data available.
Respiratory sensitization	No data available.
Skin sensitization	Ingredients classified as Category 1A 3(2H)-Isothiazolone, 2-methyl- 1,2-Benzisothiazolin-3-one
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.

Section 12. Ecological Information

【Ecotoxicity】

【Aquatic toxicity】

(Hazardous to the aquatic environment (Acute))

No data available.

(Hazardous to the aquatic environment (Long-term))

No data available.

【Persistence and degradability】

No data available.

【Bioaccumulative potential】

No data available.

【Mobility in soil】

No data available.

【Results of PBT and vPvB assessment】

No data available.

【Other adverse effects】

No data available.

Section 13. Disposal considerations

【Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging】

(Waste treatment methods)

Avoid release to the environment.

Dispose of contents/container in accordance with local/national regulation.

Section 14. Transport Information

【UN No., UN CLASS】

[N Number or ID Number] Not applicable

[UN Proper Shipping Name] Not applicable

[Class or division (Transport hazard class)] Not applicable

[Packing group] Not applicable

【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.

Section 15. Regulatory Information

【Safety, health and environmental regulations/legislation specific for the substance or mixture】

We are not able to check up the regulatory information with regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

【Chemical safety assessment】

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

Section 16. Other information

【References and sources for data】

Globally Harmonized System of classification and labelling of chemicals, UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 23rd edit., 2023 UN
IMDG Code, 2024 Edition (Incorporating Amendment 42-24)
IATA Dangerous Goods Regulations (66th Edition) 2025
2024 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
2025 TLVs and BEIs. (ACGIH)
Supplier's data/information
OSHA Hazard Communication Standard – 2024 (29 CFR 1910.1200)

【General Disclaimer】

This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

The GHS classification data given here is based on current EU official data (Consolidated version of the CLP Regulation published in 01/12/2023 and Commission delegated regulation

(EU) 2024/197 (ATP21)).