

Material Safety Data Sheets

CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.

1. Product and Company Identification

| | |
|---|---|
| Product Name | : Pigment Ink Cyan |
| Product Code | : SPC-0180C, 0494C |
| General Use | : Ink jet printing ink |
| Product Description | : Pigment ink |
| MSDS Number | :031-34W01CC |
| Manufacture | |
| Company Name | : Mimaki Engineering Co., Ltd |
| Address | : 2182-3 Otsu, Shigeno, Tomi-shi, Nagano 389-0512 Japan |
| Telephone No. | : +81-268-64-2413 |
| Importer/Distributor Established in USA | |
| Company Name | : MIMAKI USA. INC. |
| Address | : 4851 Thurmon Tanner Parkway, STE 100 Flowery Branch, GA 30542, U.S.A. |
| Telephone No. | : 1-678-730-0170 |
| Emergency Telephone No. | : +1 866 928 0789 (within United States only, Toll free) +1 215 207 0061 |

2. Hazards Identification

| | |
|--------------------------|--|
| Emergency Overview | : Ink component is a cyan liquid that cause eye, nose or throat irritation, and that effects anesthesia, if inhales. Ink may flash, when under high temperature. Avoid contact with eyes or clothing. In the case of skin contact, wash with soap and water. Keep out of reach of children. This product is not classified. |
| Potential Health Effects | |
| Inhalation | : Intentional exposure to ink vapors (mist) will cause respiratory irritation and anesthesia. |
| Eye Contact | : Ink contact with eye will be irritating. |
| Skin Contact | : Ink contact with skin may cause minimally irritation. |
| Ingestion | : May cause upset stomach. |
| Carcinogens | : None known. |

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Potential Environmental : Not available.

Effects

3. Composition / Information On Ingredients

| No | Chemical Name | Wt% | CAS No. | Chemical Formula |
|----|-------------------------------|---------|--------------|--|
| 1 | Proprietary dyes and pigments | <5 | Trade Secret | Trade Secret |
| 2 | Proprietary organic materials | 10-15 | Trade Secret | Trade Secret |
| 3 | Glycerols | 10-15 | Trade Secret | Trade Secret |
| 4 | Ethylene glycol | 5-10 | 107-21-1 | C ₂ H ₆ O ₂ |
| 5 | Water | balance | 7732-18-5 | H ₂ O |

4. First Aid Measures

Inhalation : Remove subject to ventilated fresh air. Consult physician if necessary.

Eye Contact : Immediately flush with room temperature, low pressure, and clean water for at least 15 minutes. Seek medical attention if eye irritation continues.

Skin Contact : Wash surface areas with soap and water. Wash soiled clothing before rewearing. Consult a physician if irritation continues.

Ingestion : Seek medical advice; and attention if stomach continues to be upset.

Protection To First-Aiders : Not available.

5. Fire Fighting Measures

Flammable Properties : Not flammable.

Extinguishing Media : Dry chemical or carbon dioxide.

Fire Fighting Instructions : No special fire fighting procedures are required other than breathing apparatus. No special explosion hazards are known.

6. Accidental Release Measures

Personal Precautions : No eye or skin protection required during clean-up. Use proper ventilation.

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- Land Spill : If a spill occurs, use sponges to wipe-up ink, and then rinse with damp cloth. Place waste in closed container for disposal.
- Water Spill : Do not dispose of waste to the sewer.

7. Handling And Storage

- Handling : Keep out of reach of children and do not drink ink.
Do not dismantle cartridge.
Make sure cartridge is dry before insertion into printer housing.
- Storage : Do not store the cartridge in high or freezing temperatures.
Keep cartridge out of direct sunlight.
Do not store cartridges with oxidizing agents or explosives.

8. Exposure Controls / Personal Protection

Exposure Limit Values

| Chemical Name | ACGIH: TLV | OSHA: PEL |
|-----------------|-------------------|-----------|
| Ethylene glycol | 100m ³ | - |

Exposure Controls

Occupational Exposure Controls

Engineering Controls : Not special measures required.

Personal Protection

Respiratory Protection : Not required under suitable use as setting the cartridge on the printer; however, self-contained breathing apparatus or organic canister mask is sufficient when used for work.

Hand Protection : Not required under suitable use as setting the cartridge on the printer; however, wearing gloves is sufficient.



Gloves

Eye Protection : Not required under suitable use as setting the cartridge on the printer; however, wearing safety goggles is sufficient.

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Safety
Glasses

Skin Protection : Not required under suitable use as setting the cartridge on the printer; however, wearing gloves is sufficient.



Protective
Apron

Environmental Exposure Controls : Not established.

9. Physical And Chemical Properties

| | | |
|-------------------------------|------------------|--|
| Appearance | - Physical state | : liquid |
| | - Colour | : Cyan |
| Odour | | : None |
| pH | | : 8.5-10.0 (20 degree C) |
| Boiling Point / Boiling Range | | : Not available. |
| Melting Point / Merging Range | | : Not available. |
| Flash Point | | : Not detected until 95 degree C (closed cup, ASTM D3278) |
| Flammability(solid, gas) | | : Not available. |
| Relative density | | : 1.00-1.10 (20 degree C) |
| Solubility | | : Not available. |
| Water solubility | | : Complete |
| Viscosity | | : 3.5-4.5 (20 degree C) |
| VOC | | : 100.0 g/l |

10. Stability And Reactivity

| | |
|------------------------|-----------------------------------|
| Conditions To Avoid | : High and freezing temperatures. |
| Stability | : Stable under temperature. |
| Materials To Avoid | : Oxidizers and explosives |
| Hazardous Reactions/ | : None |
| Decomposition Products | |

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11. Toxicological Information

| | | | |
|-----------------|---|-------------------------|---------------------------|
| Acute Toxicity | Oral LD ₅₀ | Dermal LD ₅₀ | Inhalant LC ₅₀ |
| | >2000mg/kg(Rat)* | >2000mg/kg(Rat)* | No data available. |
| Eye Irritation | : Overexposure of eye surface to ink may be mildly irritating. | | |
| Skin Irritation | : Overexposure of skin to ink contact may cause irritation and in some people swelling and redness. | | |
| Sensitization | : Not available | | |
| Mutagenicity | : Negative (Ames assay)* | | |
| Carcinogenicity | : None known. | | |

12. Ecological Information

| | |
|-------------------------------|--|
| Ecotoxicity | : No data available on the adverse effects of this ink on the environment. |
| Persistence And Degradability | : No data available on the adverse effects of this ink on the environment. |
| Bioaccumulative Potential | : No data available on the adverse effects of this ink on the environment. |
| Other Adverse Effects | : No data available. |

13. Disposal Considerations

Disposal should be in accordance with federal, state, and local requirements.

Do not dump this product into sewers, on the ground or into any body of water.

14. Transport Information

UN Class/UN Number : Not applicable.

DOT, IMO, or IATA : Not hazardous classification

15. Regulatory Information

TSCA Section 4(a) Final : Not regulated.

Test Rules Regulated

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TSCA Section 8(a) : Not regulated.

Preliminary Assessment
Information Rule(PAIR)

TSCA Section12(b) : Not regulated.

One-Time Export

Notification Regulated

California Proposition 65 : **WARNING:**



This product can expose you to chemicals including Ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other Information

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Mimaki Engineering Corporation.

It relates only to the specific material designated herein, and dose not relate to use in combination with any other material or process.

Mimaki Engineering Corporation assumes no legal responsibility for use or reliance upon this information.

Revision history

| Version | Date | Content |
|---------|--------------|-------------------------------------|
| 1.0 | Apr 10, 2008 | First issue. |
| 2.0 | Aug 30, 2018 | Proposition65 Information Described |
| 2.1 | Apr 10, 2025 | Change of address for MIMAKI USA |