

Material Safety Data Sheets

1. Product and Company Identification

Product Name	: Sublimation Dye Ink Cyan
Product Code	: SPC-0370C
General Use	: Ink jet printing ink
Product Description	: Sublimation Dye ink
MSDS Number	:031-33W06CC
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	: 140 Satellite Boulevard NE Suite B-2 Suwanee, GA 30024
Telephone No.	: 1-678-730-0100
Emergency Telephone No.	: +81-268-64-2413

2. Hazards Identification

Emergency Overview	: Caution: No particular hazards known. Ensure adequate ventilation. Eye wash fountains must be easily accessible. Wear full face shield if splashing hazard exists. Wear protective clothing.
Potential Health Effects	
Inhalation	: Not available
Eye Contact	: Not available
Skin Contact	: Not available
Ingestion	: Not available
Carcinogens	: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.
Potential Environmental Effects	: Not available

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HMIS III rating

Health: 1

Flammability: 0

Physical hazard: 0

3. Composition / Information On Ingredients

No	Chemical Name	Wt%	CAS No.	Chemical Formula
1	Water	>=70.0-<=80.0	7732-18-5	H ₂ O
2	Proprietary, non-hazardous	>=5.0-<=10.0	Trade Secret	Trade Secret
3	Proprietary	>=5.0-<=10.0	Trade Secret	Trade Secret
4	Pentane-1,2-diol	>=3.0-<=8.0	5343-92-0	C ₅ H ₁₂ O ₂
5	TSRN 489909-5019-P-PC	>=1.0-<=5.0	Trade Secret	Trade Secret
6	Dispers blau 359	>=1.0-<=5.0	Trade Secret	Trade Secret

OSHA Hazardous : Not available.

Components

(29 CFR 1910. 1200)

4. First Aid Measures

Inhalation : If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

Eye Contact : Flush with copious amounts of water for at least 15 minutes. Hold eyelids open to facilitate rinsing. If irritation develops, seek immediate medical attention.

Skin Contact : Wash thoroughly with soap and water.

Ingestion : Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

Protection To First-Aiders : Not available

Note To Physician : Not available.

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5. Fire Fighting Measures

Flammable Properties	: Flash point: >100 degree C Autoignition:>200 degree C Flammability: does not ignite
Extinguishing Media	: water spray, dry extinguishing media, foam, carbon dioxide
Fire Fighting Instructions	: Wear full fire-fighting turn-out gear (full bunker gear) and respiratory protection (self-contained breathing apparatus).

6. Accidental Release Measures

Personal Precautions	: Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.
Environmental precautions	: This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').
Cleanup	: Spills should be contained, solidified, and placed in suitable containers for disposal. For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations. For large amounts: Pump off product.

7. Handling And Storage

Handling	: Not available.
Storage	: Store protected against freezing.

8. Exposure Controls / Personal Protection

Exposure Controls	
Occupational Exposure Controls	
Engineering Controls	: It is better to place local exhaust equipment.
Personal Protection	

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Respiratory Protection : Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapour/aerosol release.



Hand Protection : Chemical resistant protective gloves



Eye Protection : Wear safety goggles (chemical goggles) if there is potential for airborne dust exposures.



Skin Protection : To prevent ANY contact, wear impervious clothing such as gloves, apron, boots, or whole body suits made from neoprene, as appropriate.



Environmental Exposure Controls : Not available.

9. Physical And Chemical Properties

Appearance	- Physical state	: liquid
	- Colour	: Blue
Odour		: product specific
pH		: 7-9
Boiling Point / Boiling Range		: approx. 100 degree C
Melting Point / Merging Range		: Not available
Flash Point		: > 100 degree C
Flammability(solid, gas)		: does not ignite
Relative density		: 1.00~1.10
Solubility		: Not available
Water solubility		: (15 degree C) insoluble

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Viscosity : 2.5~3.5 (20 degree C)

VOC : <2.5g/l

10. Stability And Reactivity

Conditions To Avoid : Not available.

Stability : Not available.

Materials To Avoid : Not available.

Hazardous Reactions/
Decomposition Products : No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products: No hazardous decomposition products known.

11. Toxicological Information

Acute Toxicity : Oral LD50/rat > 2,000mg/kg

Eye Irritation : rabbit: non-irritant(OECD Guideline 405)

Skin Irritation : rabbit: non-irritant(OECD Guideline 404)

Sensitization : Not available.

Mutagenicity : Not available.

12. Ecological Information

Ecotoxicity : Acute and prolonged toxicity to fish:
golden orfe/ LC50 (96 h): >100mg/l

Toxicity to microorganisms:

OECD Guideline 209 bacterium/EC50: >1,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Persistence And : Not available.

Degradability

Bioaccumulative : Not available.

Potential

Other Adverse Effects : Adsorbable organically-bound halogen (AOX): 0%

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13. Disposal Considerations

Must be dumped or incinerated in accordance with local regulations.

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA: None

14. Transport Information

Not classified as a dangerous good under transport regulations.

(USDOT / IMDG / IATA / ICAO)

15. Regulatory Information

OSHA Status	: Not available
TSCA Status	: released / listed
Cercla Reportable	: Not available
Quantity (40 CFR 117, 302)	
SARA Title III	
Section 302 (40 CFR 355)	: Not available
Section 311/312 (40 CFR 370)	: Not hazardous
Section 313 (40 CFR 372)	: Not available
Others	: Not available

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 does 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.



Product Name : Sublimation dye ink Cyan

MSDS No.031-33W06CC

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Revision history

Version	Date	Content
1.00	Oct 23, 2007	First issue
2.00	Jun 13, 2008	No.9 VOC