

Material Safety Data Sheets

1. Product and Company Identification

Product Name	: Sublimation Dye Ink Black
Product Code	: SPC-0370K
General Use	: Ink jet printing ink
Product Description	: Sublimation Dye ink
MSDS Number	:031-33W06KC
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	: 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
HMIS III rating	
Health:	1
Flammability:	0
Physical hazard:	0

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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	>=3.0-<=8.0	Trade Secret	Trade Secret
3	Trade secret 489909-5312-P-CH	>=3.0-<=8.0	Trade Secret	Trade Secret
4	Pentane-1,2-diol	>=3.0-<=8.0	5343-92-0	C ₅ H ₁₂ O ₂
5	Proprietary polymer additive	>=1.0-<=5.0	Trade Secret	Trade Secret
6	Disperse dyes	>=1.0-<=5.0	62570-50-7	C ₁₇ H ₁₃ N ₃ O ₂

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 : Wash affected eyes for at least 15minutes under running water with eyelids held open.

Skin Contact : Wash thoroughly with soap and water.

Ingestion : Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Protection To First-Aiders : Not available

Note To Physician : Treat according to symptoms(decontamination, vital functions), no known specific antidote.

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

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Fire Fighting : Wear full fire-fighting turn-out gear (full bunker gear) and
Instructions respiratory protection (self-contained breathing apparatus).

6. Accidental Release Measures

Personal Precautions : Use personal protective clothing.

Environmental : Do not discharge into drains/surface waters/groundwater.
precautions

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 : No special measures necessary provided product is used correctly.

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

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



Hand Protection : Chemical resistant protective gloves



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Eye Protection : Tightly fitting safety goggles (chemical goggles).



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	: Black
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
Viscosity		: 2.5~3.5 (20 degree C)
VOC		: <2.5 g/l

10. Stability And Reactivity

Conditions To Avoid	: Not available.
Stability	: Not available.
Materials To Avoid	: Not available.

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

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

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%

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

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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
Cercle Reportable : Not available
Quantity
(40 CFR 117, 302)
SARA TitleIII
Section 302 : Not available
(40 CFR 355)
Section 311/312 : Not hazardous
(40 CFR 370)
Section 313 : Not available
(40 CFR 372)
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 dose not relate to use in combination with any other material or process.

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Revision history

Version	Date	Content
1.00	Oct 23, 2007	First issue
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