

# Material Safety Data Sheets

## 1. Product and Company Identification

Product Name	: Dye Sublimation Ink Sb300 Black D
Order No.	: SB300-KD-BB / SB300-KD-2L
Ink Ver.	: 1
General Use	: Ink jet printing ink
Product Description	: Sublimation ink
MSDS Number	: 031-38W24K6B
Manufacture	
Company Name	: Mimaki Engineering Co., Ltd.
Address	: 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Telephone No.	: +81-268-64-2413
Importer / Distributor Established in USA	
Company Name	: MIMAKI USA, INC.
Address	: 150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A.
Telephone No.	: +1-678-730-0100
Emergency Telephone No.	: +81-268-64-2281

## 2. Hazards Identification

[GHS Classification]

### Physical Hazards

Explosives	: Not applicable
Flammable Gases	: Not applicable
Flammable Aerosols	: Not applicable
Oxidizing Gases	: Not applicable
Gases under Pressure	: Not applicable
Flammable Liquids	: Not classified
Flammable Solids	: Not applicable
Self-reactive Substances and Mixtures	: Not applicable
Pyrophoric Liquids	: Not applicable
Pyrophoric Solids	: Not applicable
Self-heating Substances and Mixtures	: Not applicable
Substances and Mixtures, which in Contact with Water, Emit Flammable Gases	: Not applicable
Oxidizing Liquids	: Not applicable

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Oxidizing Solids	: Not applicable
Organic Peroxides	: Not applicable
Corrosive to Metals	: Not applicable

### Health Hazards

Acute Toxicity – Oral	: Not classified
Acute Toxicity – Dermal	: Not classified
Acute Toxicity – Inhalation	: Not classified
Skin Corrosion / Irritation	: Not classified
Eye Damage / Irritation	: Not classified
Sensitization – Respiratory	: Not classified
Sensitization – Skin	: Not classified
Germ Cell Mutagenicity	: Not classified
Carcinogenicity	: Not classified
Toxic to Reproduction	: Class2
Specific Target Organ Toxicity (Single Exposure)	: Not classified
Specific Target Organ Toxicity (Repeated Exposure)	: Not classified
Aspiration Hazard	: Not classified

### Environmental Hazards

Hazardous to the Aquatic Environment - Acute Hazard	: Not classified
Hazardous to the Aquatic Environment - Long Term Hazard	: Not classified
Hazardous to the Ozone Layer	: Not classified

The above list does not include category being non-classifiable or not-applicable.

### [GHS Label Elements]

Symbol



Signal Word  
Warning

# Material Safety Data Sheets

## Hazard Statements

H361 Suspected of damaging fertility or the unborn child.

## Precautionary Statements

[Prevention]

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

[Response]

P308+P313 IF exposed or concerned: Get medical advice/attention.

[Disposal]

P501 Dispose of contents and container in accordance with local, regional, national and international regulation.

## HMIS Rating (scale 0 – 4)

Health = 1

Flammability=1

Physical Hazard = 0

Personal Protection = -

①	Health
①	Flammability
①	PHYSICAL HAZARD
○	PERSONAL PROTECTION

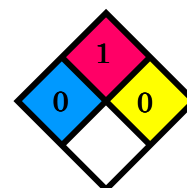
## NFPA Rating (scale 0 – 4)

Health = 0

Flammability = 1

Instability = 0

Special = -



## 3. Composition / Information on Ingredients

No	Chemical Name	Wt%	CAS No.	Chemical Formula
1	Glycerol	5-15	56-81-5	C3H8O3
2	1,2-Propanediol	10-30	57-55-6	C3H8O2
3	Disperse Dye	Trade Secret	Trade Secret	Trade Secret
4	additive	0.1-1	Trade Secret	Trade Secret
5	Water	balance	7732-18-5	H2O

OSHA Hazardous : Not hazardous.

Components

(29 CFR 1910. 1200)

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### 4. First Aid Measures

- General information: In all cases of doubt, when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- After inhalation: Supply fresh air.
- After skin contact: Do not use solvents or thinners. Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.
- After eye contact: Flush eyes thoroughly with water for 15 minutes. Seek medical attention if irritation persists.
- After swallowing: Keep at rest.

### 5. Fire Fighting Measures

- Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Unsuitable extinguishing agents: Water with full jet.
- Special hazards caused by the substance, its products of combustion or resulting gases: Formation of toxic gases is possible during heating or in case of fire.
- Protective equipment: Mount respiratory protective device.
- Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system. Cool endangered receptacles with water spray.

### 6. Accidental Release Measures

- Person-related safety precautions: Ensure adequate ventilation.
- Measures for environmental protection: Do not allow to enter sewers/surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.
- Measures for cleaning/collecting: Absorb with liquid-binding material(sand, diatomite, sawdust).

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Send for recovery or disposal in suitable containers.

Dispose contaminated material as waste according to item 13.

Avoid use of solvents.

### 7. Handling and Storage

Handling : Information for safe handling: No special precautions are necessary if used correctly.

Information about fire-and explosion protection: No special measures required.

Storage : Requirements to be met by storerooms and receptacles:

Ideal storage temperature: 10-30 degree C.

Store in a cool location.

Use only containers specifically designed for this substance/product.

• Further information about storage conditions: : Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

### 8. Exposure Controls / Personal Protection

#### Exposure Limit Values

No	Chemical Name	PEL	TLV
1	Glycerol	15mg/m <sup>3</sup>	10ppm

#### • Exposure controls

##### • Personal protective equipment:

##### • General protective and hygienic measures:

The usual precautionary measures are to be adhered to when chemicals.

Avoid close or long term contact with the skin.

Clean skin thoroughly immediately after handling the product.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

##### • Respiratory protection: Not required.

##### • Protection of hands:

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**Gloves**

Protective gloves

- Eye protection:

**Safety Glasses**

Safety glasses

- Body protection: protective work clothing

### 9. Physical and Chemical Properties

Appearance	- Physical State	: liquid
	- Color	: Black
Odor		: Weak
pH		: 8.0 at 20 degree C
Boiling Point / Boiling Range		: 100 degree C
Melting Point / Melting Range		: Not available
Decomposition Temperature		: Not available
Flash Point		: >100 degree C
Flammability (Solid, Gas)		: Not available
Relative Density		: Not available
Solubility		: Not available
Water Solubility		: Soluble in water
Viscosity		: 8.0at 20degree C

### 10. Stability and Reactivity

Conditions to Avoid	: Stable under recommended storage and handling conditions.
Stability	: Stable.
Materials to Avoid	: Strong oxidizers.
Hazardous Reactions / Decomposition Products	: In case of fire, carbon and nitrogen oxides are the main combustion gases.

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### 11. Toxicological Information

- Acute toxicity:
  - Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant
- General notes: There is no experimentally determined data available on the preparation itself.
  - Sensitisation May cause sensitisation by skin contact.

### 12. Ecological Information

- Additional ecological information:
  - General notes:

At present there are no ecotoxicological assessments.

Do not allow product to reach ground water, water course or sewage system.

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

### 14. Transport Information

Us Department of Transportation (DOT)

Hazardous Materials : Not Applicable

Sea Transport (IMDG)

Class : Not Applicable

Packing Group (PG) : -

UN Number : -



## Material Safety Data Sheets

Proper Shipping Name :-

Marine Pollutant :-

Air Transport (ICAO/IATA)

Class : Not Applicable

Packing Group(PG) :-

UN Number :-

Proper Shipping Name :-

### 15. Regulatory Information

OSHA Status : Not hazardous.

TSCA Status : All components on TSCA INVENTORY.

CERCLA :Not Applicable

Reportable Quantity

(40 CFR 117, 302)

SARA TitleIII

Section 302 : Not Applicable

(40 CFR 355)

Section 311/312 : Not hazardous.

(40 CFR 370)

Section 313 : Not Applicable

(40 CFR 372)

### 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.

#### Revision history

Version	Date	Content
1.0	Mar 09 2013	First issue