

## Safety Data Sheets

### \*\*\*Section 1 - IDENTIFICATION\*\*\*

**Product Identifier:** Dye Sublimation Ink Sb300 Black D

**Order No.**

SB300-KD-BB / SB300-KD-2L

**Recommended Use**

Pigment ink for ink jet printer

**Restrictions on Use**

None known.

**SDS Number**

037-W243775

**Manufacturer Information**

Mimaki Engineering Co., Ltd  
2182-3 Shigeno-otsu, Tomi-shi, Nagano  
389-0512 Japan

Telephone number: +81-268-64-2413

**Importer / Distributor Established in USA**

MIMAKI USA, INC.  
150 Satellite Boulevard NE, suite A, Suwanee, Georgia 30024,  
U.S.A.

Téléphone: +1-678-730-0170

**Emergency Telephone No.**

: +1 866 928 0789 (within United States only, Toll free)

+1 215 207 0061

### \*\*\*Section 2 - HAZARD(S) IDENTIFICATION\*\*\*

**Classification in accordance with 29 CFR 1910.1200.**

Skin Corrosion / Irritation, Category 2  
Serious Eye Damage/Eye Irritation, Category 2A  
Skin sensitizer, Category 1

**GHS LABEL ELEMENTS**

**Symbol(s)**



**Signal Word**

WARNING

**Hazard Statement(s)**

H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation

**Precautionary Statement(s)**

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### Prevention

- P261 Avoid breathing gas/mist/vapors.
- P264 Wash hands thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Response

- P305+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P308 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash before reuse.

### Storage

None needed according to classification criteria.

### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulation (to be specified).

### Hazard(s) Not Otherwise Classified

None known.

## \*\*\*Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS\*\*\*

CAS	Component	Percent
57-55-6	1,2-Propylene glycol	10-30
56-81-5	Glycerin	5-15
Trade Secret	Disperse dye	Trade Secret
7732-18-5	Water	Balance
Trade Secret	Additives	0.1-1

## \*\*\*Section 4 - FIRST-AID MEASURES\*\*\*

### Description of Necessary Measures

#### Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.

#### Skin Contact

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use.

#### Eye Contact

Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

#### Ingestion

If swallowed, get medical attention.

### Most Important Symptoms/Effects

#### Acute

allergic skin reaction, skin irritation, eye irritation

#### Delayed

allergic skin reaction

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### Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Treat symptomatically and supportively.

### \*\*\*Section 5 - FIRE-FIGHTING MEASURES\*\*\*

#### Suitable Extinguishing Media

carbon dioxide, regular dry chemical, water spray, alcohol resistant foam

#### Unsuitable Extinguishing Media

Do not scatter spilled material with high-pressure water streams.

#### Special Hazards Arising from the Chemical

Negligible fire hazard.

#### Hazardous Combustion Products

**Combustion:** oxides of carbon, acrolein, aliphatics

#### Fire Fighting Measures

Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks. Avoid inhalation of material or combustion by-products.

#### Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

### \*\*\*Section 6 - ACCIDENTAL RELEASE MEASURES\*\*\*

#### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

#### Methods and Materials for Containment and Cleaning Up

Eliminate all ignition sources if safe to do so. Stop leak if possible without personal risk. Reduce vapors with water spray. **Small spills:** Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. **Large spills:** Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas.

### \*\*\*Section 7 - HANDLING AND STORAGE\*\*\*

#### Precautions for Safe Handling

Avoid breathing dust, mist, fumes or vapors. Avoid contact with eyes, skin and clothing. Do not eat, drink, or smoke when using this product. Wear protective gloves and eye/face protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

#### Conditions for Safe Storage, including any Incompatibilities

Store and handle in accordance with all current regulations and standards. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Keep separated from incompatible substances.

### \*\*\*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\*\*\*

#### Component Exposure Limits

##### Glycerin (56-81-5)

**OSHA:** 15 mg/m<sup>3</sup> TWA (mist, total particulate); 5 mg/m<sup>3</sup> TWA (mist, respirable fraction)

**Mexico** 10 mg/m<sup>3</sup> TWA LMPE-PPT (mist)

#### Component Biological Limit Values

There are no biological limit values for the component(s) of this product.

#### Appropriate Engineering Controls

Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

#### Individual Protection Measures, such as Personal Protective Equipment

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### Eyes/Face Protection

Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

### Skin Protection

Wear appropriate chemical resistant clothing.

### Glove Recommendations

Wear appropriate chemical resistant gloves.

### Respiratory Protection

Consult with a health and safety professional for specific respirators appropriate for your use.

## \* \* \*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\* \* \*

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	black liquid
<b>Color:</b>	black	<b>Physical Form:</b>	liquid
<b>Odor:</b>	characteristic odor	<b>Odor Threshold:</b>	Not available
<b>pH:</b>	7-10 (20°C)	<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Flash Point:</b>	Not flammable
<b>Decomposition Temperature:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>LEL:</b>	Not available	<b>UEL:</b>	Not available
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density (air = 1):</b>	Not available
<b>Density:</b>	Not available	<b>Specific Gravity (water = 1):</b>	~1
<b>Water Solubility:</b>	Soluble	<b>Log KOW:</b>	Not available
<b>Coeff. Water/Oil Dist:</b>	Not available	<b>Auto Ignition Temperature:</b>	Not available
<b>Viscosity:</b>	5-10 mPas	<b>Volatility:</b>	Not available
<b>Oxidizing Properties:</b>	Not available	<b>Explosive Properties:</b>	Not available
<b>Flammability (solid, gas):</b>	Not applicable		

### Other Property Information

No additional information is available.

## \* \* \*Section 10 - STABILITY AND REACTIVITY\* \* \*

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable under normal conditions of use.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions to Avoid

Avoid flames, sparks, and other sources of ignition. Avoid contact with incompatible materials.

### Incompatible Materials

acids, bases, oxidizing materials, metal oxides, reducing agents, combustible materials, halocarbons, metals, metal salts

### Hazardous Decomposition

**Combustion:** oxides of carbon, acrolein, aliphatics

## \* \* \*Section 11 - TOXICOLOGICAL INFORMATION\* \* \*

### Acute Toxicity

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### Component Analysis - LD50/LC50

The component(s) of this material have been reviewed in various sources and the following selected endpoints are published:

#### **1,2-Propylene glycol (57-55-6)**

Oral LD50 Rat 20 g/kg; Dermal LD50 Rabbit 20800 mg/kg

#### **Glycerin (56-81-5)**

Oral LD50 Rat 12600 mg/kg; Dermal LD50 Rabbit >10 g/kg; Inhalation LC50 Rat >570 mg/m<sup>3</sup> 1 h

### Information on Likely Routes of Exposure

#### Inhalation

irritation, difficulty breathing, headache, nausea

#### Ingestion

fever, nausea, vomiting, diarrhea, headache, dizziness, sleep disturbances, blood disorders, kidney damage, paralysis, reproductive effects, convulsions, skin disorders, stomach pain, drowsiness, loss of coordination, unconsciousness

#### Skin Contact

allergic reactions, irritation, nausea, headache, drowsiness, dizziness, loss of coordination

#### Eye Contact

irritation

#### Immediate Effects

allergic skin reaction, skin irritation, eye irritation

#### Delayed Effects

allergic skin reaction

#### Medical Conditions Aggravated by Exposure

No information available for the product.

#### Irritation/Corrosivity Data

skin irritation, eye irritation

#### Respiratory Sensitization

No information available for the product.

#### Dermal Sensitization

May cause an allergic skin reaction.

#### Germ Cell Mutagenicity

No information available for the product.

#### Carcinogenicity

#### Component Carcinogenicity

No data listed by ACGIH, IARC, NTP, DFG or OSHA is available for the component(s) of this product.

#### Reproductive Toxicity

No information available for the product.

#### Specific Target Organ Toxicity - Single Exposure

No target organs identified.

#### Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

#### Aspiration Hazard

Not expected to be an aspiration hazard.

\* \* \*Section 12 - ECOLOGICAL INFORMATION\* \* \*

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### Component Analysis - Aquatic Toxicity

#### 1,2-Propylene glycol (57-55-6)

**Fish:** 96 Hr LC50 Oncorhynchus mykiss: 51600 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 41 - 47 mL/L [static]; 96 Hr LC50 Pimephales promelas: 51400 mg/L [static]; 96 Hr LC50 Pimephales promelas: 710 mg/L

**Algae:** 96 Hr EC50 Pseudokirchneriella subcapitata: 19000 mg/L

**Invertebrate:** 48 Hr EC50 Daphnia magna: >1000 mg/L [Static]

#### Glycerin (56-81-5)

**Fish:** 96 Hr LC50 Oncorhynchus mykiss: 51 - 57 mL/L [static]

### Persistence and Degradability

No information available for the product.

### Bioaccumulation

No information available for the product.

### Mobility

No information available for the product.

### Other Toxicity

No additional information is available.

## \*\*\*Section 13 - DISPOSAL CONSIDERATIONS\*\*\*

### Disposal Methods

Dispose in accordance with all applicable regulations.

### Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

### Disposal of Contaminated Packaging

Empty containers may contain product residue. Dispose in accordance with all applicable regulations.

## \*\*\*Section 14 - TRANSPORT INFORMATION\*\*\*

### US DOT Information

Not regulated as a hazardous material for transport.

### TDG Information

Not regulated as dangerous goods for transport.

### Marine Pollutant

#### 1,2-Propylene glycol (57-55-6)

IBC Code: Category Z

## \*\*\*Section 15 - REGULATORY INFORMATION\*\*\*

### U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

### SARA 311/312

**Acute Health:** Yes **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

### U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
1,2-Propylene glycol	57-55-6	No	No	Yes	Yes	Yes
Glycerin	56-81-5	No	Yes	Yes	Yes	Yes

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Not regulated under California Proposition 65

### Canada

WHMIS CLASSIFICATION: D2B.

### Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which fall under WHMIS criteria specified in the Controlled Products Regulations and present above the threshold limits listed on the IDL.

#### 1,2-Propylene glycol (57-55-6)

1 %

### Chemical Inventory Listings

#### Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PHIL	JP	KR	CN	NZ
1,2-Propylene glycol	57-55-6	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Glycerin	56-81-5	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Disperse dye	Trade Secret	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Additives	Trade Secret	Yes	DSL	No	Yes	Yes	Yes	Yes	Yes	Yes

### \*\*\*Section 16 - OTHER INFORMATION\*\*\*

**NFPA Ratings: Health: 2 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

#### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; CAS - Chemical Abstracts Service; CLP - Classification, Labelling and Packaging; EEC - European Economic Community; EIN (EINECS) - European Inventory of Existing Commercial Chemical Substances; ELN (ELINCS) - European List of Notified Chemical Substances; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; IBC Code - International Bulk Chemical Code; Kow - Octanol/water partition coefficient; LC50 - Lethal Concentration, 50%; LD50 - Lethal Dose, 50%; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NTP = National Toxicology Program; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - European Rail Transport; STEL - Short-term Exposure Limit; TWA - Time Weighted Average; UEL - Upper Explosive Limit

#### Other Information

The information set forth in this Safety Data Sheet does not purport to be all-inclusive and should be used only as a guide. While the information and recommendations set forth herein are believed to be accurate, the company makes no warranty regarding such information and recommendations and disclaims all liability from reliance thereon.

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