

# Safety Data Sheets

## 1. Identification

Product Name : Dye Sublimation Ink Sb52 Normal Black

Order No. : SPC-0584NK-2, SPC-0585NK-2

General Use : Ink jet printing ink

Product Description : Dye Sublimation Ink

### 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 Information

Company Name : MIMAKI AUSTRALIA PTY LTD.

Address : Unit 14, 38-46 South Street, Rydalmere, NSW 2116, Australia

Telephone No. : + 61-2-8036-4500

Emergency Telephone No. : +61 2 8014 4558 (within Australia only)

18000 74234 (within Australia only)

+65 3158 1074

## 2. Hazards Identification

### [GHS Classification]

#### Physical Hazards

Flammable Liquids : Not classified

#### Health Hazards

Eye Damage / Irritation : Category 2

Sensitization – Skin : Category 1

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

### [GHS Label Elements]

#### Symbol



#### Signal Word

Warning



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SDS No. 037-W137070

First issue: 2021/11/18

Revised:

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### Hazard Statements

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

### Precautionary Statements

[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]

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 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.

[Disposal]

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

### 3. Composition / Information on Ingredients

No	Chemical Name	Wt%	CAS No.	Chemical Formula
1	Disperse dye	Trade Secret	Trade Secret	Trade Secret
2	Glycerols	Trade Secret	Trade Secret	Trade Secret
3	Organic materials	<5	Trade Secret	Trade Secret
4	Triethanolamine	<5	102-71-6	C <sub>6</sub> H <sub>15</sub> NO <sub>3</sub>
5	Water	balance	7732-18-5	H <sub>2</sub> O

### 4. First Aid Measures

Inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician.
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.
Skin Contact	: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: Get medical advice/attention.
Ingestion	: If swallowed, get medical attention.

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### Most Important Symptoms/Effects

Acute	: allergic skin reaction, eye irritation
Delayed	: allergic skin reaction
Indication of Immediate	: Treat symptomatically and supportively.
Medical Attention and	
Special Treatment	
Needed, If Needed	

## 5. Fire Fighting Measures

Flammable Properties	: Flash point Not flammable
Extinguishing Media	: water spray, dry extinguishing media, foam, carbon dioxide
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	: oxides of carbon, acrolein, oxides of sulfur
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.

## 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	: Eliminate all ignition sources if safe to do so. Stop leak if possible without personal risk. Reduce vapors with water spray.

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### Cleaning Up

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.

## 7. Handling and Storage

### Precautions for Safe Handling

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

### 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. Protect from temperatures below: 0 degree C. Protect from temperatures above: 40 degree C.

## 8. Exposure Controls / Personal Protection

### Exposure Limit Values

No	Chemical Name	ACGIH	Occupational Exposure Standards (Safe Work Australia)
1	Triethanolamine	5mg/m3 (TLV-TWA)	5mg/m3 (TWA)

### Exposure Controls

#### Occupational Exposure Controls

#### Appropriate

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

#### Engineering Controls

#### Personal Protection

#### Respiratory

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

#### Protection



#### Hand Protection

: Wear appropriate chemical resistant gloves.

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Eye 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

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



### 9. Physical and Chemical Properties

wesd	- Physical state	: liquid
	- Colour	: Black
Odour		: product specific
pH		: 7.0~9.5
Boiling Point / Boiling Range		: 100 degree C Water
Melting Point / Melting Range		: Not available.
Flash Point		: Not applicable.
Flammability(solid, gas)		: Not available.
Specific Gravity		: 1.00~1.20
Solubility		: Not available.
Water solubility		: complete
Viscosity		: 3.0~5.0mPa.s(20 degree C)

### 10. Stability and Reactivity

Conditions To Avoid	: High and freezing temperatures.
Stability	: Stable
Materials To Avoid	: Not available.
Hazardous Reactions/	: Combustion: oxides of carbon, acrolein, oxides of sulfur
Decomposition Products	

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## 11. Toxicological Information

Acute Toxicity : Oral LD50 (ATE mix): >2000mg/kg  
Dermal LD50 (ATE mix) : >2000mg/kg

### 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 : No information available for the product.

### Aggravated by Exposure

Irritation/Corrosivity : skin irritation, eye irritation

### Data

Respiratory : No information available for the product.

### Sensitization

Dermal Sensitization : May cause an allergic skin reaction.

Germ Cell Mutagenicity : No information available for the product.

Carcinogenicity : No information available for the product.

Reproductive Toxicity : No information available for the product.

Specific Target Organ : No information available for the product.

### Toxicity - Single

#### Exposure

Specific Target Organ : No information available for the product.

### Toxicity - Repeated

#### Exposure

Aspiration Hazard : No information available for the product.



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### 12. Ecological Information

	Handling is noted because it might influence the environment when leaking and abandoning it. Especially, note that the product doesn't flow directly to ground, the river, and the drain ditch.
Aquatic Toxicity	: Not classified as a product.
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.

### 13. Disposal Considerations

Disposal Methods	: Dispose in accordance with all applicable regulations.
Disposal of Contaminated Packaging	: Empty containers may contain product residue. Dispose in accordance with all applicable regulations.

### 14. Transport Information

	Check a thing without a leak in a container. Perform prevention of collapse of cargo surely.
TDG Information	: Not regulated as dangerous goods for transport.
IATA Information	: Not regulated as dangerous goods for transport.
ICAO Information	: Not regulated as dangerous goods for transport.
IMDG Information	: Not regulated as dangerous goods for transport.

### 15. Regulatory Information

Australia Regulations	
High Volume Industrial Chemicals List	: Listed
Work Health and Safety Regulations - Prohibited	: No component(s) are listed on the Prohibited Carcinogens list.



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### Carcinogens

Work Health and Safety : No component(s) are listed on the Restricted Carcinogens list.

Regulations - Restricted

### Carcinogens

Work Health and Safety : No component(s) are listed on the Restricted Hazardous Chemicals

Regulations - Restricted list

### Hazardous Chemicals

Australia Work Health : None of this product's components are on the list.

and Safety Regulations -

Hazardous Chemicals

Requiring Health

Monitoring

## 16. Other Information

### 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; 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

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