

Safety Data Sheets

1. Identification

Product Name : Dye Sublimation Ink Sb52 Magenta

Order No. : SPC-0584M-3, SPC-0585M-3

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

Sensitization – Skin : Category 1

Toxic to Reproduction : Category 2

Specific Target Organ Toxicity : Category 1 (kidneys, liver)

(Repeated Exposure)

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

[GHS Label Elements]

Symbol



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Signal Word

Danger

Hazard Statements

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H361 Suspected of damaging fertility or the unborn child

H372 Causes damage to kidneys and liver through prolonged or repeated exposure.

Precautionary Statements

[Prevention]

P201 Obtain SDS (Safety Data Sheet) and printer's Operation Manual before use

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

P260 Do not breathe gas/mist/vapors.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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.

P314 Get medical advice/attention if you feel unwell.

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]

P405 Store locked up.

[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	Isopropyl alcohol	<1	67-63-0	C ₃ H ₈ O
3	Aqueous ammonia	<5	1336-21-6	NH ₄ OH
4	Diethylene glycol	<10	111-46-6	C ₄ H ₁₀ O ₃
5	Glycerol	10-20	56-81-5	C ₃ H ₈ O ₃
6	Organic materials	<5	Trade Secret	Trade Secret
7	Water	balance	7732-18-5	H ₂ O

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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.
Most Important Symptoms/Effects	
Acute	: allergic skin reaction, eye irritation
Delayed	: allergic skin reaction, reproductive effects, kidney system disorders, liver system disorders
Indication of Immediate Medical Attention and Special Treatment Needed, If Needed	: Treat symptomatically and supportively.

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.

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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 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.

7. Handling and Storage

Precautions for Safe Handling : Obtain SDS (Safety Data Sheet) and printer's Operation Manual before use. Do not handle until all safety precautions have been read and understood. Do not breathe gas/mist/vapors. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. 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.

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8. Exposure Controls / Personal Protection

Exposure Limit Values

No	Chemical Name	ACGIH	Occupational Exposure Standards (Safe Work Australia)
1	Isopropyl alcohol	400ppm (TLV-STEL) 200ppm (TLV-TWA)	500ppm, 1230mg/m ³ (STEL) 400ppm, 983mg/m ³ (TWA)
2	Aqueous ammonia	35ppm (TLV-STEL) 25ppm (TLV-TWA)	35ppm, 24mg/m ³ (STEL) 25ppm, 17mg/m ³ (TWA)
3	Diethylene glycol	-	23ppm, 100mg/m ³ (TWA)
4	Glycerol	10mg/m ³ (TLV-TWA)	10mg/m ³ (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

Protection



Vapor
Respirator

Hand Protection



Gloves

Eye Protection



Safety
Glasses

Skin Protection

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

: Wear appropriate chemical resistant gloves.

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

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



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Product Name: Dye Sublimation Ink Sb52
Magenta
SDS No. 037-W137069
First issue: 2021/11/18
Revised:



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9. Physical and Chemical Properties

wesd	- Physical state	: liquid
	- Colour	: Red
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/ Decomposition Products	: Combustion: oxides of carbon, acrolein, oxides of sulfur

11. Toxicological Information

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

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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	: kidney system, liver system.
Toxicity - Repeated	
Exposure	
Aspiration Hazard	: No information available for the product.

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	: No information available for the product.
Degradability	
Bioaccumulation	: No information available for the product.
Mobility	: No information available for the product.
Other Toxicity	: No additional information is available.

13. Disposal Considerations

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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
Industrial Chemicals Act	: List of Chemicals with High Hazards for Categorisation
Work Health and Safety Regulations - Prohibited Carcinogens	: No component(s) are listed on the Prohibited Carcinogens list.
Work Health and Safety Regulations - Restricted Carcinogens	: No component(s) are listed on the Restricted Carcinogens list.
Work Health and Safety Regulations - Restricted Hazardous Chemicals	: No component(s) are listed on the Restricted Hazardous Chemicals list
Australia Work Health and Safety Regulations - Hazardous Chemicals Requiring Health Monitoring	: None of this product's components are on the list.

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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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