

Safety Data Sheets

1. Identification

Product Name	: Dye Sublimation Ink Sb54 Light Magenta T
Order No.	: SB54-LMT-44/ SB54-LMT-2L
Ink Ver	: 3
General Use	: Ink jet printing ink
Product Description	: Dye Sublimation Ink
SDS Number	: 037-W360368
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 Esta	blished in USA
Company Name	: MIMAKI USA, INC.
Address	: 150 Satellite Boulevard NE , suite A, Suwanee, Georgia 30024,
	U.S.A.
Telephone No.	:+1-678-730-0170
Emergency Telephone No.	: +1 866 928 0789 (within United States only, Toll free)
	$+1\ 215\ 207\ 0061$

2. Hazards Identification

[GHS Classification]	
Physical Hazards	
Flammable Liquids	: Not classified
Health Hazards	
Sensitization - Skin	Category 1

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

[GHS Label Elements] Symbol





Signal Word
Warning
Hazard Statements
H317 May cause an allergic skin reaction
Precautionary Statements
[Prevention]
P261 Avoid breathing gas/mist/vapors.
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.
P232+P352 IF on SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash before reuse.

P362+P364 Take off contaminated

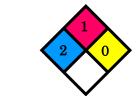
[Disposal]

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

NFPA Rating (scale 0 - 4)

Health = 2 Flammability = 1

Instability = 0 Special =



CANADIAN WHMIS SYMBOLS





3. Composition / Information on Ingredients

No	Chemical Name	Wt%	CAS No.
1	Propylene glycol	30-40	57-55-6
2	Glycerin	1-5	56-81-5
3	Dye	1-10	Trade Secret
4	Water	50-60	7732-18-5
5	Other	<10	Trade Secret



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 Symptom	s/Effects
Acute	allergic skin reaction, mild skin 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	carbon dioxide, regular dry chemical, water spray, alcohol resistant
	foam
Unsuitable Extinguishing	: Do not scatter spilled material with high-pressure water streams.
Media	
Special Hazards Arising	: Negligible fire hazard.
from the Chemical	
Hazardous Combustion	: oxides of carbon, acrolein, oxides of sulfur
Products	
Fire Fighting	: Move container from fire area if it can be done without risk. Do not
Measures	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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6. Accidental Release Measures

Personal Precautions, Protective Equipment	: Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.
and Emergency Procedures	
Methods and Materials	Eliminate all ignition sources if safe to do so. Stop leak if possible
for Containment and	without personal risk. Reduce vapors with water spray.
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	Avoid breathing gas, mist or vapors. Avoid contact with eyes, skin and
Handling	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	\therefore Store and handle in accordance with all current regulations and
Storage, including any	standards. Store in a well-ventilated place. Keep container tightly
Incompatibilities	closed. Keep cool. Keep separated from incompatible substances.



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8. Exposure Controls / Personal Protection

Exposure Limit Values Component Biological Limit Values	 Glycerin (56-81-5) OSHA: 15 mg/m³ TWA (mist, total particulate); 5 mg/m³ TWA (mist, respirable fraction) Mexico 10 mg/m³ TWA LMPE-PPT (mist) There are no biological limit values for the component(s) of this product.
Exposure Controls	
Occupational Exposure	Controls
Appropriate	\div Provide local exhaust or process enclosure ventilation system. Ensure
Engineering Controls	compliance with applicable exposure limits.
Personal Protection	
Respiratory	\therefore Consult with a health and safety professional for specific respirators
Protection Vapor Respirator	appropriate for your use.
Hand Protection	[:] Wear appropriate chemical resistant gloves.
Eye Protection Safety Glasses	[:] 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.



9. Physical and Chemical Properties

Appearance - Physical State	: Liquid
- Color	: Magenta
Odor	: unique odor
pH	: 7-9
Boiling Point / Boiling Range	: Not available
Melting Point / Melting Range	: Not available
Decomposition Temperature	: Not available
Flash Point	: Not flammable
Auto ignition temperature	: Not available
Flammability (Solid, Gas)	: Not available
Explosive Properties	: Not available
Oxidizing Properties	: Not available
Upper / Lower Flammability or	: Not available
Explosive Limits	
Vapor Pressure	
Specific Gravity	: 1.0-1.2 (25 $^\circ~$ C)
Solubility	: Not available
Water Solubility	: Soluble
Partition Coefficient (n-octanol / Water)	: Not available
Viscosity	: 4-6 mPa·s (25 °C)
Vapor Density	: Not available
Evaporation Rate	: Not available

10. Stability and Reactivity

Reactivity	: No reactivity hazard is expected.
Chemical Stability	: Stable under normal conditions of use.
Possibility of Hazardous	: Will not polymerize.
Reactions	
Conditions to Avoid	Avoid flames, sparks, and other sources of ignition. Avoid contact
	with incompatible materials.
Incompatible Materials	[:] acids, bases, oxidizing materials, metal oxides, peroxides, reducing
	agents, combustible materials, halocarbons, metals, metal salts

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Product Name: Dye Sublimation Ink Sb54 Light Magenta T SDS No. 037-W360368 First issue: 2015/04/13 Revised: 2019/12/16

Hazardous : Combustion: oxides of carbon, acrolein, oxides of sulfur

Decomposition

11. Toxicological Information

Acute Toxicity	: The component(s) of this material have been reviewed in various
Component Analysis -	sources and the following selected endpoints are published:
LD50/LC50	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 ³ 1 h
	Dye
	Oral LD50 Rat >5 g/kg
Information on Likely Ro	utes 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, mild skin irritation
Delayed Effects	allergic skin reaction
Medical Conditions	: No information available for the product.
Aggravated by Exposure	
Irritation/Corrosivity	: mild skin 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.

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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	: No target organs identified.
Toxicity - Single	
Exposure	
Specific Target Organ	: No target organs identified.
Toxicity - Repeated	
Exposure	
Aspiration Hazard	: Not expected to be an aspiration hazard.

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.							
Component Analysis -	: Propylene glycol (57-55-6)							
Aquatic Toxicity	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	: 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

	: Comply with all USA, national and local regulations.							
	Do not dump this product into sewers, on the ground or into any bod							
	<u>of water.</u>							
Disposal Methods	: Dispose in accordance with all applicable regulations.							
Component Waste	: The U.S. EPA has not published waste numbers for this product's							
Numbers	components.							
Disposal of	: Empty containers may contain product residue. Dispose in							
Contaminated	accordance with all applicable regulations.							
Packaging								

14. Transport Information

	Check a thing without a leak in a container.
	Perform prevention of collapse of cargo surely.
US DOT Information	: Not regulated as a hazardous material for transport.
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.
Marine Pollutants	: Not regulated as dangerous goods for transport.
(IMDG)	
International Bulk	: This material does not contain any chemicals required by the IBC
Chemical Code	Code to be identified as dangerous chemicals in bulk.

15. Regulatory Information

U.S. Federal	: None of this products components are listed under SARA Sections
Regulations	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.

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SARA TitleIII	: Ac	ute Hea	lth: Yes	3							
Section 311/312	Chronic Health: No										
	Fir	re: No									
	Pre	essure:	No								
	Re	active: 1	No								
U.S. State Regulations	: Th	e follow	ving con	nponen	ts ap	pear	on on	e or mo	ore of th	e follow	ving
	state hazardous substances lists										
		Com	ponent	;	CA	MA	MN	NJ	PA		
		Propyl	ene gly	col	No	N.	Vee	V	Vee		
		(CAS N	o. 57-5	5-6)	NO	No	Yes	Yes	Yes		
		Gl	ycerin		No	Yes	Yes	Yes	Yes		
		(CAS N	o. 56-8	1-5)	INO	ies	ies	res	ies		
	: No	ot regula	ated un	der Cal	iforr	ia Pr	oposit	tion 65			
Canada WHMIS	: D2	2B.									
CLASSIFICATION											
Canadian WHMIS	: Components of this material have been checked against the										
Ingredient Disclosure	Can	adian V	VHMIS	Ingred	ients	s Disc	losure	e List. '	The Lis	t is com	posed of
List (IDL)	chei	micals v	which n	nust be	iden	tified	on M	SDSs i	f they a	re inclu	ded in
	proc	ducts w	hich fal	l under	WH	MIS	criteri	la speci	ified in	the Con	trolled
	Pro	ducts R	egulati	ons and	pres	sent a	above	the thr	eshold	limits li	sted on
	the IDL.										
	Proj	pylene §	glycol (§	57-55-6)	1%						
Chemical Inventory	: Co	mponer	nt Analy	ysis – Ir	vent	cory					
Listings				1	1				1	1	· · · · · · · · · · · · · · · · · · ·
Component		US	CA	EU	AU	J P	PHIL	JP	KR	CN	NZ

Component	US	CA	EU	AU	PHIL	JP	KR	CN	NZ
Propylene glycol (CAS No. 57-55-6)	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Glycerin (CAS No. 56-81-5)	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes

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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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