

# Safety Data Sheet

## 1. IDENTIFICATION

Product Identifier	Sb420 Light Magenta D
Product code	SB420-LMD-2L
Recommended use and restriction use	INK JET ink
Supplier name	MIMAKI ENGINEERING CO., LTD.
Address	2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Telephone number	+81-268-64-2413
Importer / Distributor name	MIMAKI SINGAPORE PTE. LTD.
Address	31 Kaki Bukit Road 3 Singapore 417818 TechLink #02-03
Telephone number	+65-6508-2789
Emergency telephone number	+65 3165 2217 (within Singapore only) +65 3158 1074

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

Health hazards	Serious eye damage/eye irritation Category 2A Sensitization – skin Category 1A Specific target organ toxicity (single exposure) Category 1 (blood central nervous system) Specific target organ toxicity (single exposure) Category 3 (narcotic effect) Specific target organ toxicity (repeated exposure) Category 1 (respiratory apparatus central nervous system)
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### GHS LABEL ELEMENTS

#### Pictograms



#### Signal Word

Danger

#### Hazard Statements

H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H336 May cause drowsiness or dizziness  
H370 Causes damage to organs(blood,central nervous system)  
H372 Causes damage to organs(respiratory apparatus,central nervous system) through prolonged or repeated exposure

#### Precautionary Statements

##### Prevention

Do not breathe mist, vapours and spray.(P260)  
Wash thoroughly after handling.(P264)  
Do not eat, drink or smoke when using this product(P270)  
Use only outdoors or in a well-ventilated area(P271)  
Contaminated work clothing should not be allowed out of the workplace.(P272)

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Response

Wear protective gloves, eye protection and face protection.(P280)  
IF ON SKIN: Wash with plenty of soap and water(P302+P352)  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.(P304+P340)  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing(P305+P351+P338)  
IF exposed or concerned: Call a POISON CENTER/doctor(P308+P311)  
Get medical advice/attention if you feel unwell(P314)  
If skin irritation or rash occurs: Get medical advice/attention(P333+P313)  
If eye irritation persists: Get medical advice/attention(P337+P313)  
Take off contaminated clothing and wash it before reuse.(P362+P364)  
Store in a well-ventilated place. Keep container tightly closed.(P403+P233)  
Store locked up(P405)  
Dispose of waste in accordance with local,state and federal regulations.(P501)

Storage

Disposal

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances or mixtures

Mixtures

Chemical name	Contents	Chemical Formula	CAS RN
Water	55-65%	H2O	7732-18-5
1,2-Propanediol	15-25%	C3H8O2	57-55-6
Glycerol	5-15%	C3H8O3	56-81-5
Disperse Red 60	1-10%	Secreto Comercial	17418-58-5
Other	10-20%	Secreto Comercial	Secreto Comercial
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	<2%	Secreto Comercial	9014-85-1

## 4. FIRST-AID MEASURES

In case of inhalation

Call a doctor if you feel unwell.  
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact

IF exposed or concerned: Call a doctor.  
IF ON SKIN: Wash with plenty of soap and water.  
Take of contaminated clothing and wash before re-use.  
If skin irritation or rash occurs, get medical advice and attention.  
Specific treatment.

In case of eye contact

IF exposed or concerned: Call a doctor.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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In case of ingestion

If eye irritation persists: Get medical advice/attention.

IF exposed or concerned: Call a doctor.

Rinse mouth.

IF SWALLOWED: Call a doctor if you feel unwell.

IF exposed or concerned: Call a doctor.

## 5. FIRE-FIGHTING MEASURES

Suitable fire-extinguishing media

Use extinguishing agent suitable for type of surrounding fire.

Specific hazards arising from the chemical

Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases.

Special protective actions for fire fighters

Use goggles in combination with dust mask, and another protections as appropriate to situation.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use goggles in combination with dust mask, and another protections as appropriate to situation.

Large spills :Evacuate area.

Ensure adequate ventilation.

Environmental precautions

Do not discharge into the drains, surface waters or ground water directly.

Methods and materials for containment and cleaning up

Large spills: Dike spills and dispose of in safe area.

small spill : absorb with material such as non-combustible material wash thoroughly after handling

Cautiously neutralize with dilute acid if necessary

When neutralizing, be cautious of heating and fuming.

Prevention Measures for Secondary Accidents

Keep away from sources of ignition and prepare extinguishing media.

Risk of slipping. Spilled material forms slippery floor.

Do not recklessly walk on the spillage.

## 7. HANDLING AND STORAGE

Handling

Technical measures

Use local exhaust ventilation in case of production of fume or mist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Safe handling advice

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

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear eye protection/face protection.

Contaminated work clothing should not be allowed out of the workplace.

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Do not breathe dust/fume/gas/mist/vapours/spray.

## Storage

Suitable storage conditions

Store locked up.

Store container tightly closed in well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH (TLV)	OSHA (PEL)	Workplace Safety And Health (General Provisions) Regulations
Glycerol	Not established	15 mg/m <sup>3</sup> TWA (mist, total particulate); 5 mg/m <sup>3</sup> TWA (mist, respirable fraction)	10 mg/m <sup>3</sup> PEL (mist)

### Engineering measures

Use local exhaust ventilation in case of production of fume or mist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### Individual protection measures

Respiratory protection

If necessary, wear respiratory protection.

Hand protection

Wear protective gloves.

Eye protection

If necessary, wear protective eye protection.

Skin and body protection

If necessary, wear protective clothing.

### Hygiene measures

Wash hand thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Physical State

Liquid

Color

Red

Odor

Unique odor

Odor threshold

No data available

pH

8-10

Melting point

No data available

Boiling point

No data available

Flash point

Not ignited

Evaporation rate

No data available

Flammability(Solid,Gas)

Non combustible

Flammability or explosive limits

No data available

Vapor pressure

No data available

Vapor density

No data available

Relative density

1-1.2 g/cm<sup>3</sup>

Solubility(ies)

Water soluble

Partition coefficient: n-octanol/water

No data available

Auto-ignition temperature

Non combustible

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Decomposition temperature  
Viscosity

No data available  
4–6 mPas(25°C)

## 10. STABILITY AND REACTIVITY

Reactivity	No information available
Chemical stability	Stable under normal conditions of use.
Possibility of hazardous reactions	Stable under normal conditions of use.
Conditions to avoid	Contact with naked flames, sparks, all other ignition sources, and contraindicated substances
Incompatible materials	Acids, bases, oxidizing substances, metal oxides, peroxides, reducing agents, flammable substances, halocarbons, metals, metal salts
Hazardous decomposition products	Combustion produces carbon monoxide, carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral)	Classification not possible.
Acute toxicity (Dermal)	Classification not possible.
Acute toxicity (Inhalation : Gases)	Does not fall under gas based on GHS definitions.
Acute toxicity (Inhalation : Vapours)	Classification not possible.
Acute toxicity (Inhalation : dust/mist)	Classification not possible.
Skin corrosion/ Irritation	Classification not possible.
Serious eye damage/ irritation	Category 1:9014–85–1 (source: Registered substances (ECHA))
Respiratory Sensitization	Sum of 10 x (Eye category 1 + Skin category 1) Concentration limit = 10%. Classification result = Category 2A.
Skin Sensitization	Classification not possible. Category 1A:17418–58–5 (source: Registered substances (ECHA))  17418–58–5 >= 0.1% Classification result = Category 1A
Germ cell mutagenicity	Classification not possible.
Carcinogenicity	Classification not possible.
Reproductive toxicity	Classification not possible.
Reproductive toxicity, effects on or via lactation	Unable to classify due to insufficient data.
Specific target organ Toxicity – Single Exposure	Category 1:57–55–6 (organ = blood, central nervous system, source: NITE) Category 3:57–55–6 (organ = narcotic effect, source: NITE)  57–55–6 >= 10% Classification result = Category 1(blood, central nervous system) Sum of Category 3(narcotic effect) Concentration limit = 20%. Classification result = Category 3(narcotic effect).
Specific target organ toxicity –	Category 1:57–55–6 (organ = respiratory apparatus, central nervous

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Repeated Exposure

system, source: NITE)

57-55-6 >= 10% Classification result = Category 1(respiratory apparatus, central nervous system)

Aspiration hazard

Unable to classify due to insufficient data.

## 12. ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment – Classification not possible.

Acute Toxicity

Hazardous to the Aquatic Environment – Classification not possible.

Chronic Toxicity

Hazardous to the Ozone layer

Unable to classify due to insufficient data.

## 13. DISPOSAL CONSIDERATIONS

Residual Waste

Passed to a licensed waste contractor.

Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes.

Dispose of waste in accordance with local,state and federal regulations.

Contaminated Container and Packaging

Passed to a licensed waste contractor.

In case of disposal of empty containers, remove the content thoroughly.

## 14. TRANSPORT INFORMATION

International regulations

Sea (IMDG)

Not dangerous goods

Air (IATA)

Not dangerous goods

## 15. REGULATORY INFORMATION

Workplace Safety And Health

Occupational Exposure Limits

## 16. OTHER INFORMATION

Literature References

SDS of raw material

National Institute of Technology and Evaluation (NITE) GHS

Classifications List

Regulation (EC) 1272/2008 Annex VI

Regulation (EC) 1907/2006 registered substances

Other data

The information suggested in this Safety Data Sheet does not comprehend everything and should be adopted only as a guide. The accuracy of the information and recommendations suggested herein are credible. However the company makes no warranty regarding such information and recommendations and disclaims all liability for reliance thereon.



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SDS No. 037-W428415

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