

# Safety Data Sheet

## 1. IDENTIFICATION

Product Identifier	Sb420 Blue D
Product code	SB420-BLD-2L / SB420-BLD-BJ
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	Specific target organ toxicity (single exposure) Category 2 (blood central nervous system) Specific target organ toxicity (repeated exposure) Category 2 (respiratory apparatus central nervous system)
----------------	--

### GHS LABEL ELEMENTS

#### Pictograms



Signal Word	Warning
Hazard Statements	H371 May cause damage to organs(blood,central nervous system) H373 May cause 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)
Response	IF exposed or concerned: Call a POISON CENTER/doctor(P308+P311) Get medical advice/attention if you feel unwell(P314)
Storage	Store locked up(P405)
Disposal	Dispose of waste in accordance with local,state and federal regulations.(P501)

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Substances or mixtures

### Mixtures

Chemical name	Contents	Chemical Formula	CAS RN
Water	55-65%	H2O	7732-18-5

# Safety Data Sheet

1,2-Propanediol	5-15%	C3H8O2	57-55-6
Glycerol	5-15%	C3H8O3	56-81-5
Dye	1-10%	Confidential	Confidential
Other	10-20%	Confidential	Confidential

## 4. FIRST-AID MEASURES

In case of inhalation	Call a doctor if you feel unwell. IF exposed or concerned: Call a doctor.
In case of skin contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice and attention. IF exposed or concerned: Call a doctor.
In case of eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Call a doctor.
In case of ingestion	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.

# Safety Data Sheet

## 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.

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

### Storage

#### Suitable storage conditions

Store locked up.

## 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

If necessary, 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

Blue

### Odor

Unique odor

### Odor threshold

No data available

### pH

7-9

### Melting point

No data available

### Boiling point

No data available

### Flash point

Not ignited

### Evaporation rate

No data available

### Flammability(Solid,Gas)

Non combustible

# Safety Data Sheet

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
Decomposition temperature	No data available
Viscosity	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	Classification not possible.
Respiratory Sensitization	Classification not possible.
Skin Sensitization	Classification not possible.
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)
Specific target organ toxicity –	57-55-6 >= 1% Classification result = Category 2(blood, central nervous system) Category 1:57-55-6 (organ = respiratory apparatus, central nervous

# Safety Data Sheet

Repeated Exposure	system, source: NITE)
	57-55-6 >= 1% Classification result = Category 2(respiratory apparatus, central nervous system)
Aspiration hazard	Unable to classify due to insufficient data.

## 12. ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment – Acute Toxicity	Classification not possible.
Hazardous to the Aquatic Environment – Chronic Toxicity	Classification not possible.
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.



Product Identifier: Sb420 Blue D

SDS No. 037-W428410

First issue: 2024/10/09

Revised:

# Safety Data Sheet