

# Safety Data Sheets

## 1. Identification

Product Name : BS4 ink Blue Shade Magenta  
Order No. : BS4-BM-2L / BS4-BM-60  
General Use : Ink for ink jet printer  
Product Description : Solvent pigment ink  
SDS Number : 037- S184541  
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 Established in USA  
Company Name : MIMAKI USA, INC.  
Address : 4851 Thurmon Tanner Parkway, STE 100 Flowery Branch, GA  
30542, 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

### [HCS Classification]

#### Physical Hazards

Flammable Liquids : Not classified

#### Health Hazards

Acute Toxicity – Oral : Category 4

Eye Damage / Irritation : Category 2A

Specific Target Organ Toxicity : Category 2 (central nervous system)  
(Single Exposure)

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

### [HCS Label Elements]

#### Symbol



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Signal Word

Warning

Hazard Statements

H302 Harmful if swallowed.

H319 Cause serious eye irritation.

H371 May cause damage to organs (central nervous system)

Precautionary Statements

[Prevention]

P260 Do not breathe gas/mist.

P264 Wash hands thoroughly after handling.

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

P280 Wear protective gloves/protective clothing/eye protection/face protection.

[Response]

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

(P301)+P330 (IF SWALLOWED): Rinse mouth.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor/physician.

P337+P313 If eye irritation persists: Get medical advice/attention.

[Storage]

P405 Store locked up.

[Disposal]

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

[Statement(s) of Unknown Acute Toxicity

(Oral) 80% of the mixture consists of ingredient(s) of unknown acute toxicity.

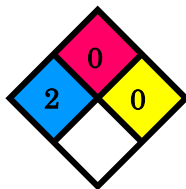
NFPA Rating (scale 0 – 4)

Health = 2

Flammability = 0

Instability = 0

Special =



### 3. Composition / Information on Ingredients

No	Chemical Name	Wt%	CAS No.
1	Glycol Ethers	60-70	Trade secret
2	.gamma.-Butyrolactone	10-20	96-48-0
3	Diethylene glycol diethyl ether	10-20	112-36-7

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4	2,5,8,11,14-Pentaoxapentadecane	<10	143-24-8
5	Resin	<5	Trade secret
6	Quinacridone	<5	Trade secret
7	Additives	<5	Trade secret

## 4. First Aid Measures

**Inhalation** : Call a POISON CENTER/doctor/physician if you feel unwell.  
 IF exposed or concerned: Call a POISON CENTER or doctor/physician.

**Eye Contact** : IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Call a POISON CENTER or doctor/physician.

**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 POISON CENTER or doctor/physician.

**Ingestion** : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. IF exposed or concerned: Call a POISON CENTER or doctor/physician.

**Most Important Symptoms/Effects**

**Acute** : eye irritation, central nervous system damage

**Delayed** : No data available.

**Indication of Immediate Medical Attention and Special Treatment Needed, If Needed** : Treat symptomatically and supportively.

## 5. Fire Fighting Measures

**Flammable Properties** : Flash Point: No data available

**Extinguishing Media** : Dry chemical, alcohol-resistant foam, CO2, sand.  
 When dust occurs, use dry sand.

**Unsuitable Extinguishing Media** : Do not scatter spilled material with high-pressure water streams.

**Special Hazards Arising** : Risk of producing harmful gases such as carbon monoxide and

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from the Chemical sulfur oxides. Avoid inhalation of smoke or gases.  
 Special Protective : Use goggles in combination with dust mask, and another protections  
 Equipment and as appropriate to situation.  
 Precautions for  
 Firefighters

### 6. Accidental Release Measures

Personal Precautions, : Use goggles in combination with dust mask, and another protections  
 Protective Equipment as appropriate to situation. Large spills : Evacuate area. Ensure  
 and Emergency adequate ventilation.  
 Procedures  
 Methods and Materials : small spill : absorb with material such as noncombustible  
 for Containment and material wash thoroughly after handling  
 Cleaning Up Large spills: Dike spills and dispose of in safe area.  
 Environmental : Do not discharge into the drains, surface waters or ground water  
 Precautions directly.

### 7. Handling and Storage

Precautions for Safe : **Technical measures**  
 Handling 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. Wear eye protection/face protection. Do not  
 breathe dust/fume/gas/mist/vapours/spray.  
 Conditions for Safe : **Suitable storage conditions**  
 Storage, including any Store locked up.  
 Incompatibilities

### 8. Exposure Controls / Personal Protection

Exposure Controls  
 Occupational Exposure Controls

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Appropriate : Use local exhaust ventilation in case of production of fume or mist.

Engineering Controls Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Individual Protection Measures, such as Personal Protective Equipment

Respiratory Protection : If necessary, wear respiratory protection.



Glove : If necessary, wear protective gloves.

Recommendations



Eye /Face : Wear eye protection/face protection.

Protection



**Safet**

Skin Protection : If necessary, wear protective clothing.



### 9. Physical and Chemical Properties

Appearance	- Physical State	: liquid
	- Color	: red
Odor		: Slight solvent odor
pH		: 5 - 7
Boiling Point / Boiling Range		: Not available
Melting Point / Melting Range		: Not available
Flash Point		: Not available
Auto ignition temperature		: Not available
Flammability (Solid, Gas)		: Not available
Upper / Lower Flammability or Explosive Limits		: Not available

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Vapor Pressure	: Not available
Density	: 0.97g/cm
Water Solubility	: Not available
Viscosity	: 3.7 - 3.9 mPa/s @25 ° C
Vapor Density	: Not available
Evaporation Rate	: Not available

### 10. Stability and Reactivity

Reactivity	: No information available.
Chemical Stability	: Stable in general.
Possibility of Hazardous Reactions	: This product may produce toxic gas when heated above decomposition.
Conditions to Avoid	: No information available
Incompatible Materials	: No information available
Hazardous Decomposition	: No information available

### 11. Toxicological Information

Acute Toxicity	: <b>Oral</b> .gamma.-Butyrolactone (96-48-0) toxicity value = 800mg/kg (source: NITE) Calculation result = 1378.4118952mg/kg. Classification result = Category 4. <b>Dermal</b> Contains substance of unknown toxicity. Changed from Not classified to Classification not possible. <b>Inhalation : Vapours, Dusts</b> Contains substance of unknown toxicity. Changed from Not classified to Classification not possible. <b>Inhalation : Mists</b> No data available.
Skin corrosion/ Irritation	: Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
Serious eye damage/	: Diethylene glycol diethyl ether (112-36-7), Category 2A

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irritation	.gamma.-Butyrolactone (96-48-0), Category 2A (source: NITE) Sum of Eye category 2A Concentration limit = 10%. Classification result = Category 2A.
Respiratory	: Unable to classify due to insufficient data.
sensitization	
Skin sensitization	: Unable to classify due to insufficient data.
Germ cell mutagenicity	: Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
Carcinogenicity	: Unable to classify due to insufficient data.
Reproductive toxicity	: Unable to classify due to insufficient data.
Specific target organ toxicity - Single exposure	: .gamma.-Butyrolactone (96-48-0), Category 2 (central nervous system), Category 3 (narcotic effect) (source: NITE) 96-48-0 >= 1% Classification result = Category 2 (central nervous system)
Specific target organ toxicity - Repeated exposure	: Unable to classify due to insufficient data.
Aspiration hazard	: Unable to classify due to insufficient data.

### 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.

Ecotoxicity	: No information available.
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 information available for the product.

### 13. Disposal Considerations

Disposal Methods	: Comply with all USA, national and local regulations. <u>Do not dump this product into sewers, on the ground or into any body of water.</u>
Residual Waste	: Before disposal, make the wastes harmless, stabilized, and

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	neutralized, and minimize danger and toxicity of the wastes. Dispose of waste in accordance with local, state and federal regulations.
Contaminated	: Passed to a licensed waste contractor.
Container and Packaging	In case of disposal of empty containers, remove the content thoroughly.

### 14. Transport Information

Check a thing without a leak in a container.

Perform prevention of collapse of cargo surely.

US DOT Information : Not dangerous goods

IATA Information : Not dangerous goods

IMDG Information : Not dangerous goods

### 15. Regulatory Information

New Jersey - RTK (Right to Know) : New Jersey - RTK (Right to Know) – Hazardous Substance List

California : California - Safer Consumer Products – Informational List of Candidate Chemicals and Chemical Groups.

### 16. Other Information

References : NITE GHS  
EU CLP Regulation, Annex VI

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