

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	: 150 Satellite Boulevard NE , suite A, Suwanee, Georgia 30024, U.S.A.
Telephone No.	: +1-678-730-0170
Emergency Telephone No.	: +81-268-64-2281

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.

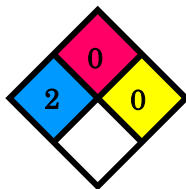
NFPA Rating (scale 0 – 4)

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.



**Vapor
Respirator**

Glove : If necessary, wear protective gloves.

Recommendations



Gloves

Eye /Face : Wear eye protection/face protection.

Protection



**Safety
Glasses**

Skin Protection : If necessary, wear protective clothing.



**Protective
Apron**

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	: Oral .gamma.-Butyrolactone (96-48-0) toxicity value = 800mg/kg (source: NITE) Calculation result = 1378.4118952mg/kg. Classification result = Category 4. Dermal Contains substance of unknown toxicity. Changed from Not classified to Classification not possible. Inhalation : Vapours, Dusts Contains substance of unknown toxicity. Changed from Not classified to Classification not possible. Inhalation : Mists 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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