

Material Safety Data Sheets

1. Product and Company Identification

Product Name : Dye Sublimation Ink Sb53 Deep Black
Product Code : SB53-DK-44 / SB53-DK-2L
General Use : Ink jet printing ink
Product Description : Sublimation ink
MSDS Number :031-38W22K5C
Manufacture
Company Name : Mimaki Engineering Co., Ltd
Address : 2182-3 Otsu, Shigeno, 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, suite A, Suwanee, Georgia 30024, U.S.A
Telephone No. : 1-678-730-0100
Emergency Telephone No. : +81-268-64-2413

2. Hazards Identification

- GHS label elements



Warning

H302-Harmful if swallowed.

H317-May cause an allergic skin reaction.

- Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

- Response:

P321 Specific treatment

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

P363 Wash contaminated clothing before reuse.

- Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.



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3. Composition / Information On Ingredients

No	Chemical Name	Wt%	CAS No.	Chemical Formula
1	Glycerol	10-25	56-81-5	C ₃ H ₈ O ₃
2	Lignosulfonic acid, sodium salt	5-10	68512-35-6	-
3	Disperse Dye	Trade Secret	Trade Secret	Trade Secret
4	Water	balance	7732-18-5	H ₂ O

4. First Aid Measures

- General information:

In all cases of doubt, when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

- After inhalation: Supply fresh air.

- After skin contact:

Do not use solvents or thinners.

Immediately wash with water and soap and rinse thoroughly.

Remove contaminated clothing.

- After eye contact:

Flush eyes thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

- After swallowing:

Keep at rest.

Do not induce vomiting; call for medical help immediately.

5. Fire Fighting Measures

- Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- Unsuitable extinguishing agents: Water with full jet

- Special hazards caused by the substance, its products of combustion or resulting gases:

Formation of toxic gases is possible during heating or in case of fire.

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- Protective equipment: Mount respiratory protective device.
- Additional information
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Cool endangered receptacles with water spray.

6. Accidental Release Measures

- Person-related safety precautions: Ensure adequate ventilation
- Measures for environmental protection:
Do not allow to enter sewers/surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.
- Measures for cleaning/collecting:
Absorb with liquid-binding material(sand, diatomite, sawdust).
Send for recovery or disposal in suitable containers.
Dispose contaminated material as waste according to item 13.
Avoid use of solvents.

7. Handling And Storage

- Handling:
Information for safe handling: No special precautions are necessary if used correctly.
Information about fire-and explosion protection: No special measures required.
- Storage:
Requirements to be met by storerooms and receptacles:
Ideal storage temperature: 10-30 degree C.
Store in a cool location.
Use only containers specifically designed for this substance/product.
- Further information about storage conditions:
Store in cool, dry conditions in well sealed containers.
Protect from heat and direct sunlight.

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8. Exposure Controls / Personal Protection

Exposure Limit Values

No	Chemical Name	PEL	TLV
1	Glycerol	15mg/m ³	10ppm

- Exposure controls

- Personal protective equipment:

- General protective and hygienic measures:

- The usual precautionary measures are to be adhered to when chemicals.

- Avoid close or long term contact with the skin.

- Clean skin thoroughly immediately after handling the product.

- Immediately remove all soiled and contaminated clothing.

- Wash hands before breaks and at the end of work.

- Do not eat or drink while working.

- Respiratory protection: Not required.

- Protection of hands:



Gloves

Protective gloves

- Eye protection:



Safety Glasses

Safety glasses

- Body protection: protective work clothing

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9. Physical And Chemical Properties

Appearance	- Physical state	: liquid
	- Color	: Black
Odor		: Weak
pH		: 8.0 at 20 degree C
Boiling Point / Boiling Range		: 100 degree C
Melting Point / Melting Range		: Not available
Decomposition Temperature		: Not available
Flash Point		: >100 degree C
Flammability(solid, gas)		: Not available
Vapor Pressure		: 23hPa at 20 degree C
Relative density		: Not available
Water solubility		: Miscible
Viscosity		: 5.0 at 20 degree C

10. Stability And Reactivity

- Thermal decomposition / conditions to be avoided:
Stable under recommended storage and handling conditions.
- Materials to be avoided: Strong oxidizers.
 - Dangerous reactions No dangerous reactions known if used according to specifications.
- Dangerous decomposition products:
In case of fire, carbon and nitrogen oxides are the main combustion gases.

11. Toxicological Information

- Acute toxicity:
 - Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
- General notes: There is no experimentally determined data available on the preparation itself.
 - Sensitisation May cause sensitisation by skin contact.



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12. Ecological Information

- Additional ecological information:

- General notes:

At present there are no ecotoxicological assessments.

Do not allow product to reach ground water, water course or sewage system.

13. Disposal Considerations

Must be dumped or incinerated in accordance with local regulations.

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Do not dump this product into sewers, on the ground or into any body of water.

14. Transport Information

- Land transport ADR/RID (cross-border)

- ADR/RID class : -

- Maritime transport IMDG :

- IMDG Class : -

- Marine pollutant : No

- Air transport ICAO-TI and IATA-DGR :

- ICAO/IATA Class : -

- UN Model Regulation : -

15. Regulatory Information

International Inventories

TSCA : All components are listed on the TSCA Inventory.

DSL : Additives Does not comply

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List



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16. Other Information

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Mimaki Engineering Corporation.

It relates only to the specific material designated herein, and does not relate to use in combination with any other material or process.

Mimaki Engineering Corporation assumes no legal responsibility for use or reliance upon this information.

Revision history

Version	Date	Content
1.0	Dec 20 2012	First issue