

Section 1 – Identification

Product identifier	Dye Sublimation Ink Sb53 Black
Product code	SB53-K-44 / SB53-K-2L
Recommended use of the chemical and restrictions on use	INK JET ink
Details of manufacturer or importer	MIMAKI ENGINEERING CO., LTD. 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN +81-268-64-2413
Importer / Distributor Information	MIMAKI AUSTRALIA PTY LTD. Unit 14, 38-46 South Street, Rydalmere, NSW 2116, Australia + 61-2-8036-4500
Emergency phone number	+61 2 8014 4558 (within Australia only) 18000 74234 (within Australia only) +65 3158 1074

Section 2 – Hazard(s) Identification

Classification of the hazardous chemical	Sensitization – skin Category 1
Label elements, including precautionary statements	
Pictograms or Symbols	
Signal Word	Warning
Hazard Statements	H317 May cause an allergic skin reaction
Precautionary Statements	
Prevention	Avoid breathing mist, vapours and spray.(P261) Contaminated work clothing should not be allowed out of the workplace.(P272) Wear protective gloves.(P280)
Response	IF ON SKIN: Wash with plenty of soap and water(P302+P352) Specific treatment.(P321) If skin irritation or rash occurs: Get medical advice/attention(P333+P313)
Disposal	Wash contaminated clothing before reuse(P363) Dispose of contents/ container to an approved landfill.(P501)

Safety Data Sheets

Section 3 – Composition and Information on Ingredients

Substances or mixture	Mixtures		
Ingredients name	Contents	Chemical formula	CAS RN
Water	Confidential	H ₂ O	7732-18-5
Propylene glycol	Confidential	HOCH ₂ CH(OH)CH ₃	57-55-6
Disperse dye	Confidential	–	Confidential
Glycerols	Confidential	–	Confidential
Additives	<5%	–	Confidential

Section 4 – First Aid Measures

In case of inhalation	Call a doctor if you feel unwell.
In case of skin contact	IF ON SKIN: Wash with plenty of soap and water. Take off 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
In case of ingestion	Rinse mouth. IF SWALLOWED: Call a doctor if you feel unwell.

Section 5 – Fire Fighting Measures

Suitable extinguishing equipment	Non-combustible, substance itself does not burn.
Specific hazards arising from the chemical	Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases.
Special protective equipment and precautions for fire fighters	Use goggles in combination with dust mask, and another protections as appropriate to situation.

Section 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 :Evacuate area. small spill : absorb with material such as non-combustible material wash thoroughly after handling Surround it with a fill to prevent spillage, guide it to a safe area and collect it to a drum etc. Cautiously neutralize with dilute acid if necessary

When neutralizing, be cautious of heating and fuming.

Section 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

Wear protective gloves.

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

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

Storage

Suitable storage conditions

Store in well-ventilated place.

Section 8 – Exposure controls and personal protection

Control parameters

	ACGIH (TLV)	OSHA (PEL)	Occupational Exposure Standards
Glycerols	Not established	Not established	150 ppm TWA (total vapour and particulates); 474 mg/m ³ TWA (total vapour and particulates); 10 mg/m ³ TWA (particulates only)
Additives	TWA 5 mg/m ³ , STEL –	Not established	5 mg/m ³ TWA

Engineering controls

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, for example personal protective equipment (PPE)

Eye and face protection

If necessary, wear protective eye protection.

Skin protection

If necessary, wear protective clothing.

Hand protection

Wear protective gloves.

Respiratory protection

If necessary, wear respiratory protection.

Section 9 – Physical and Chemical Properties

Appearance

Physical state

Liquid

Color

black

Odor

unique odor

Odor threshold

No data available

pH

7.5–9.5 (25°C)

Melting point/freezing point

No data available

Initial boiling point and boiling range

No data available

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Flash point	Not ignited
Evaporation rate	No data available
Flammability(Solid,Gas)	No data available
Flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	ca.1.0–1.2 (25°C)
Solubility	Water soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	2–5mPa·s

Section 10 – Stability and Reactivity

Reactivity	No information available
Chemical stability	Stable under normal conditions of use.
Possibility of hazardous reactions	No information available
Conditions to avoid	Nothing under normal conditions of use.
Incompatible materials	Oxidizing agent, explosives
Hazardous decomposition products	Will not disassemble.

Section 11 – Toxicological Information

Acute toxicity (Oral)	Unable to classify due to insufficient data.
Acute toxicity (Dermal)	Unable to classify due to insufficient data.
Acute toxicity (Inhalation : Gases)	Does not fall under gas based on GHS definitions.
Acute toxicity (Inhalation : Vapours)	Unable to classify due to insufficient data.
Acute toxicity (Inhalation : dust/mist)	Unable to classify due to insufficient data.
Skin corrosion/ Irritation	Unable to classify due to insufficient data.
Serious eye damage/ irritation	Unable to classify due to insufficient data.
Respiratory Sensitization	Unable to classify due to insufficient data.
Skin Sensitization	Category 1:Disperse dye (source: Self-classification) Not classified:7732-18-5 (source: Self-classification)
Germ cell mutagenicity	Disperse dye >= 1% Classification result = Category 1 Unable to classify due to insufficient data.
Carcinogenicity	Unable to classify due to insufficient data.
Reproductive toxicity	Unable to classify due to insufficient data.
Reproductive toxicity, effects on or via lactation	Unable to classify due to insufficient data.
Specific target organ toxicity – Single exposure	Unable to classify due to insufficient data.
Specific target organ toxicity – Repeated	Unable to classify due to insufficient data.

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exposure

Aspiration hazard

Unable to classify due to insufficient data.

Section 12 – Ecological Information

Hazardous to the Aquatic Environment – Acute Toxicity	Unable to classify due to insufficient data.
Hazardous to the Aquatic Environment – Chronic Toxicity	Unable to classify due to insufficient data.
Hazardous to the Ozone layer	Unable to classify due to insufficient data.

Section 13 – Disposal considerations

Residual waste	Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes. Passed to a licensed waste contractor.
Contaminated container and packaging	Passed to a licensed waste contractor. In case of disposal of empty containers, remove the content thoroughly.

Section 14 – Transport Information

International regulations	
IMDG	Not dangerous goods
IATA	Not dangerous goods
ADG	Not dangerous goods

Section 15 – Regulatory Information

High Volume Industrial Chemicals List	High Volume Industrial Chemicals List
Standard for the Uniform Scheduling of Medicines and Poisons	Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) – Appendix B
Component Analysis – Inventory	

Water (7732-18-5)

TSCA – United States	ENCS – Japan	KECI Annex 1, 2 – Korea	IECSC – China	DSL/NDL – Canada	PICCS – Philippines	AICS – Australia	EINECS/ELINCS – European Union	TCSI – Taiwan	NZIoC – New Zealand
Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Propylene glycol (57-55-6)

TSCA – United States	ENCS – Japan	KECI Annex 1, 2 – Korea	IECSC – China	DSL/NDL – Canada	PICCS – Philippines	AICS – Australia	EINECS/ELINCS – European Union	TCSI – Taiwan	NZIoC – New Zealand
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Section 16 – Other information

Literature References

NITE GHS

EU CLP Regulation, AnnexVI



Safety Data Sheets

Product Name: Dye Sublimation ink Sb53 Black

SDS No. 037-W225290

First issue: 2020/02/27

Revised: 2025/09/19

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.