

Safety Data Sheets

Section 1 – Identification

Product identifier	Dye Sublimation Ink Sb53 Yellow
Product code	SB53-Y-44 / SB53-Y-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	No applicable GHS classification data
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Section 3 – Composition and Information on Ingredients

Substances or mixture	Mixtures		
Ingredients name	Contents	Chemical formula	CAS RN
Water	30-70%	H ₂ O	7732-18-5
Propylene glycol	10-35%	HOCH ₂ CH(OH)CH ₃	57-55-6
Glycerol	1-20%	CH ₂ OHCH(OH)CH ₂ OH	56-81-5
Disperse dye	1-10%	-	Confidential
Additives	<10%	-	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. If skin irritation occurs: Get medical advice and attention.
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.

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Section 6 – Accidental Release Measures

<p>Personal precautions, protective equipment and emergency procedures</p>	<p>Use goggles in combination with dust mask, and another protections as appropriate to situation. Large spills :Evacuate area. Ensure adequate ventilation.</p>
<p>Environmental precautions</p>	<p>Do not discharge into the drains, surface waters or ground water directly.</p>
<p>Methods and materials for containment and cleaning up</p>	<p>small spill : absorb with material such as non-combustible material wash thoroughly after handling Large spills: Dike spills and dispose of in safe area.</p>

Section 7 – Handling and Storage

<p>Handling</p> <p style="margin-left: 20px;">Technical measures</p>	<p>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.</p>
<p>Storage</p> <p style="margin-left: 20px;">Suitable storage conditions</p>	<p>Store in well-ventilated place.</p>

Section 8 – Exposure controls and personal protection

Control parameters

	ACGIH (TLV)	OSHA (PEL)	Occupational Exposure Standards
Propylene glycol	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)
Glycerol	Not established	15 mg/m ³ TWA (mist, total particulate); 5 mg/m ³ TWA (mist, respirable fraction)	10 mg/m ³ TWA (containing no asbestos and <1% crystalline silica, inhalable dust, mist)
Additives	TWA 5 mg/m ³ , STEL –	Not established	5 mg/m ³ TWA

<p>Engineering controls</p>	<p>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.</p>
<p>Individual protection measures, for example personal protective equipment (PPE)</p> <p style="margin-left: 20px;">Eye and face protection</p> <p style="margin-left: 20px;">Skin protection</p> <p style="margin-left: 20px;">Hand protection</p> <p style="margin-left: 20px;">Respiratory protection</p>	<p>If necessary, wear protective eye protection.</p> <p>If necessary, wear protective clothing.</p> <p>If necessary, wear protective gloves.</p> <p>If necessary, wear respiratory protection.</p>

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Section 9 – Physical and Chemical Properties

Appearance	
Physical state	Liquid
Color	yellow
Odor	unique odor
Odor threshold	No data available
pH	6–8
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
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	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	Avoid high temperatures.
Incompatible materials	Strong acids, strong bases
Hazardous decomposition products	Combustion produces carbon monoxide, carbon dioxide.

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	Unable to classify due to insufficient data.
Germ cell mutagenicity	Unable to classify due to insufficient data.
Carcinogenicity	Unable to classify due to insufficient data.

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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 exposure	Unable to classify due to insufficient data.
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 Standard for the Uniform Scheduling of Medicines and Poisons	High Volume Industrial Chemicals List Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) – Appendix B
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Component Analysis – Inventory

Water (7732-18-5)

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

Glycerol (56-81-5)

TSCA – United States	ENCS – Japan	KECI Annex 1, 2 – Korea	IECSC – China	DSL/NDSL – 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

Other data

EU CLP Regulation, AnnexVI

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.