

Safety Data Sheet

Section 1—Identification

Product identifier	Sb411 Normal Black T
Other means of identification	Not available
Product code	SB411-NKT-2L
Recommended use of the chemical and restrictions on use	
Recommended use	Water-based disperse dye ink
Restrictions on use	For use as ink jet printing ink only
Details of Australian manufacturer or importer	
Name	MIMAKI AUSTRALIA PTY LTD.
Australian address	Unit 14, 38-46 South Street, Rydalmere, NSW 2116, Australia
Telephone	+61-2-8036-4500
Emergency telephone number	+61 2 8014 4558 (within Australia only) 18000 74234 (within Australia only) +65 3158 1074
Details of overseas supplier	
Name	MIMAKI ENGINEERING CO., LTD.
Address	2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Telephone	+81-268-64-2413

Section 2—Hazard(s) identification

Classification of the hazardous chemical

Skin sensitisation	Category 1
Specific target organ toxicity - Single exposure	Category 1 (Central nervous system, blood system)
Specific target organ toxicity - Repeated exposure	Category 1 (Central nervous system, respiratory organs)

Hazards not described are "Not classified", "Not applicable" or "Classification not possible".

Label elements

Pictogram



Signal word

Danger

Hazard statement

May cause an allergic skin reaction

Causes damage to organs (Central nervous system, blood system)

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Causes damage to organs through prolonged or repeated exposure (Central nervous system, respiratory organs)

Precautionary statement

Prevention	Do not breathe dust/fume/gas/mist/vapours/spray. Wash contaminated areas thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
Response	IF ON SKIN: Wash with plenty of water. IF exposed or concerned: Call a POISON CENTRE/doctor. Get medical advice/attention if you feel unwell. Specific treatment(see section 4 on SDS). If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3—Composition and information on ingredients

Distinction of substance or mixture Mixture

Chemical name	CAS Number	Concentration or concentration range
Water	7732-18-5	45-55%
1,2,3-Propanetriol	56-81-5	10-20%
Others	Trade secret	10-20%
1,2-Propanediol	57-55-6	5-15%
Dye	Trade secret	1-10%
9,10-Anthracenedione, 1-amino-4-hydroxy-2-phenoxy-	17418-58-5	1-5%

Section 4—First aid measures

Description of necessary first aid measures

Inhalation	Get medical advice/attention if you feel unwell.
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

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	Take off contaminated clothing and wash it before reuse.
	Get medical advice/attention if you feel unwell.
Eye contact	Get medical advice/attention if you feel unwell.
Ingestion	Get medical advice/attention if you feel unwell.
Symptoms caused by exposure	Not available
Medical attention and special treatment	Treat according to the symptoms.

Section 5—Firefighting measures

Suitable extinguishing equipment	All extinguishing agents
Unsuitable extinguishing media	Not available
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases.
Special protective equipment and precautions for firefighters	Move containers from fire area if you can do it without risk. Be careful not to cause environmental pollution by the outflow of fire extinguishing agent or dilution water. Wear proper protective equipment. Extinguish fire from windward as much as possible. Hazchem Code: Not applicable

Section 6—Accidental release measures

Personal precautions, protective equipment and emergency procedures

Workers must wear appropriate protection equipment (see Section 8) and work from upwind.
 Isolate the site as a leak area by providing a zone that has an appropriate width to all directions.
 Prohibit unauthorized entry into the area.

Environmental precautions

Avoid release to the environment.

Methods and materials for containment and cleaning up

Stop leak if you can do it without risk.
 Collect spillage as much as possible.

Section 7—Handling and storage

Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapours/spray.
 Wash contaminated areas thoroughly after handling.
 Do not eat, drink or smoke when using this product.

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

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

Persons with a history of allergies must not handle it.

Conditions for safe storage, including any incompatibilities

Store locked up.

Section 8—Exposure controls and personal protection

Exposure control measures

Workplace Exposure Standards for Airborne Contaminants (Australia)

1,2,3-Propanetriol	TWA 10mg/m ³
1,2-Propanediol	TWA 150ppm 474mg/m ³ (vapour & particulates)
1,2-Propanediol	TWA 10mg/m ³ (particulates only)
ACGIH	Not available

Biological monitoring

ACGIH Not available

Control banding

Not available

Engineering controls

It is recommended to properly install local exhaust device, closed system or full ventilation equipment.
 Provide showers, hand-wash and face-wash stations in the workplace and display the position clearly.

Individual protection measures, for example personal protective equipment (PPE)

Eye and face protection	Wear eye protection as necessary.
Skin protection	Wear protective clothing, safety shoes and gloves as necessary.
Respiratory protection	Wear face protection as necessary.
Hand protection	Wear protective gloves as necessary.
Thermal hazards	Not available

Section 9—Physical and chemical properties

Physical state	Liquid
Colour	Black
Odour	Characteristic odour
pH	6-9
Melting point/freezing point	Not available
Boiling point or initial boiling point and boiling range	Not available
Flash point	Non-flammable

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Flammability	Not available
Lower and upper explosion limit/flammability limit	Upper limits: Not available Lower limits: Not available
Vapour pressure	Not available
Density and/or relative density	1.0-1.2
Solubility	Easily soluble in water
Partition coefficient n-octanol/water (log value)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	3-6 mPa·s (25°C)
Kinematic viscosity	Not available
Relative vapour density	Not available
Particle characteristics	Not available

Section 10—Stability and reactivity

Reactivity	Not available
Chemical stability	Stable under normal handling conditions.
Possibility of hazardous reactions	May react with incompatible materials.
Conditions to avoid	Avoid heat, high temperatures, flames, sparks, and sources of ignition.
Incompatible materials	Oxidisers, strong oxidisers, reducing agents, acids, strong acids, alkalis, strong alkalis.
Hazardous decomposition products	Combustion may produce carbon monoxide, carbon dioxide, nitrogen oxides, and other harmful gases.

Section 11—Toxicological information

Acute toxicity	
Oral	Not available
Dermal	Not available
Inhalation	Not available
Skin corrosion/irritation	
Not available	
Serious eye damage/irritation	
Not available	
Respiratory sensitisation	

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Not available

Skin sensitisation

Category 1

Germ cell mutagenicity

Not available

Carcinogenicity

Not available

Reproductive toxicity

Not available

Specific target organ toxicity - single exposure

Category 1 (Central nervous system, blood system)

Specific target organ toxicity - repeated exposure

Category 1 (Central nervous system, respiratory organs)

Aspiration hazard

Not available

Section 12—Ecological information

Ecotoxicity

Not available

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Not available

Section 13—Disposal considerations

Disposal methods

Dispose of contents/container in accordance with local/regional/national/ international regulations.
Entrust an industrial waste processor licensed by the local government, etc. or a local administration that handles the business to dispose.

Section 14—Transport information

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UN number	Not applicable
Proper shipping name or technical name	Not applicable
Transport hazard class	Not applicable
Packing group number	Not applicable
Environmental hazards for transport purposes	
Marine pollutant (Yes/No)	No
Special precautions for user	Make sure that there is no leakage of containers during transporting. Prevent containers from overturning, falling and being damaged during loading. Prevent the cargo from collapsing.
Additional information	Not available
Hazchem or emergency action code	Not available

Section 15—Regulatory information

Applicable Australian regulations

Workplace Exposure Standards for Airborne Contaminants

1,2,3-Propanetriol / 1,2-Propanediol

Section 16—Other information

Key/legend to abbreviations and acronyms used	TWA: Time Weighted Average ACGIH: American Conference of Governmental Industrial Hygienists
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Notice to reader

The information provided in this SDS are based on currently available materials, information, and other data, however, we cannot assume any liability for the accuracy of the information contained. All chemical products may have unknown, potentially hazardous characteristics. It is recommended that handling should be done with caution.

The sign "-" included above means no relevant information.