



# Safety Data Sheet

Product Name: Aqueous pigment ink AP50 Cyan

SDS No.: 037-W599573

Date Prepared: 2025-09-25

Date Revised: -

## 1. Identification

Product identifier	Aqueous pigment ink AP50 Cyan
Other means of identification	Not available
Product codes	AP50-C-BJ
Recommended use and restriction on use	
Recommended use	Water-based pigment ink
Restrictions on use	For use as ink jet printing ink only
Supplier (Manufacturer)	MIMAKI ENGINEERING CO., LTD.
Address	2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Telephone	+81-268-64-2413
Emergency phone number	+65 3165 2217 (within Singapore only) (24h) +65 3158 1074 (24h)
Importer/agent/supplier (SINGAPORE)	MIMAKI SINGAPORE PTE. LTD. Address: 31 Kaki Bukit Road 3 Singapore 417818 TechLink #02-03 Telephone: +65-6508-2789

## 2. Hazards identification

### GHS classification

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

### GHS label elements including precautionary statements

Pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements	None

### Other hazards which do not result in classification:

Not available

## 3. Composition/information on ingredients

Substance/Mixture Mixture

Ingredients	Concentration or concentration range	CAS No.
Water	50-80%	7732-18-5
Ethane-1,2-diol	5-15%	107-21-1
Pigment	4-8%	Trade Secret

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## 4. First-aid measures

### Description of necessary first aid measures

#### Inhalation

Remove person to fresh air and keep comfortable for breathing.

Get medical advice/attention if you feel unwell.

#### Skin contact

Get medical advice/attention if you feel unwell.

#### Eye contact

Get medical advice/attention from an ophthalmologist if you feel unwell.

#### Ingestion

Get medical advice/attention if you feel unwell.

### Most important symptoms/effects, acute and delayed:

Not available

### Indication of immediate medical attention and special treatment needed, if necessary:

Treat according to the symptoms.

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## 5. Fire-fighting measures

### Suitable extinguishing media

Not available

### Unsuitable extinguishing media

Not available

### Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases.

### Special protective actions for fire fighters

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.

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## 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

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Stop leak if you can do it without risk.

Collect spillage as much as possible.

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## 7. Handling and storage

### Precautions for safe handling

Use in a well-ventilated area.

Wash contaminated areas thoroughly after handling.

Optimal operating temperature: 15-28°C

### Conditions for safe storage, including any incompatibilities

Store in a well-ventilated area.

Store locked up.

Warehouse temperature:  $\geq 0^{\circ}\text{C}$

### Incompatible materials

Oxidants, acids and alkalis.

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## 8. Exposure controls/personal protection

### Control Parameters/Occupational Exposure Limits

Singapore

Ethane-1,2-diol PEL(Short Term) 50ppm, 127mg/m<sup>3</sup>

ACGIH

Ethane-1,2-diol TWA 25ppm<sup>(V)</sup> STEL 50ppm<sup>(V)</sup> 10mg/m<sup>3(l)(H)</sup> (A4)

**Biological Limits** Not available

### Appropriate engineering control measures

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, such as personal protective equipment (PPE)

**Respiratory protection** Wear face protection as necessary.

**Hand protection** Wear protective gloves as necessary.

**Eye protection** Wear eye protection as necessary.

**Skin and body protection** Wear protective clothing and safety shoes as necessary.

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## 9. Physical and chemical properties

**Appearance (physical state, colour etc.)** Cyan liquid

**Odour** None

**Odour threshold** Not available

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<b>pH</b>	7-9
<b>Melting point/freezing point</b>	Not available
<b>Initial boiling point and boiling range</b>	100°C
<b>Flash point</b>	None
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper/lower explosive limits/flammability limit</b>	Upper: None; Lower: None
<b>Vapour pressure</b>	Not available
<b>Relative vapour density</b>	Not available
<b>Density and/or relative density</b>	1.0-1.1
<b>Solubility</b>	Not available
<b>Partition coefficient: n-octanol/water(Log value)</b>	Not available
<b>Auto-ignition temperature</b>	None
<b>Decomposition temperature</b>	0°C
<b>Kinematic viscosity</b>	Not available
<b>Particle characteristics</b>	Not available

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### 10. Stability and reactivity

**Reactivity**

Not available

**Chemical stability**

Stable under normal handling conditions.

**Possibility of hazardous reactions**

None

**Conditions to avoid**

None

**Incompatible materials**

Strong oxidants, strong acids

**Hazardous decomposition products**

None

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### 11. Toxicological information

**Acute toxicity****Oral:**

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Not available

**Dermal:**

Not available

**Inhalation:**

Not available

**Skin corrosion/irritation**

Not available

**Serious eye damage/irritation**

Not available

**Respiratory sensitisation**

Not available

**Skin sensitisation**

Not available

**Germ cell mutagenicity**

Not available

**Carcinogenicity**

Not available

**Reproductive toxicity**

Not available

**Specific target organ toxicity (single exposure)**

Not available

**Specific target organ toxicity (repeated exposure)**

Not available

**Aspiration hazard**

Not available

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## 12. Ecological information

**Toxicity**

Not available

**Persistence and degradability**

Not available

**Bioaccumulative potential**

Not available

**Mobility in soil**

Not available

**Other adverse effects**

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Not available

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## 13. Disposal considerations

### Disposal methods:

#### Waste disposal of chemicals:

Dispose of contents 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.

#### Waste disposal of contaminated packaging:

Dispose of 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.

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## 14. Transport information

**UN number** Not applicable

**UN proper shipping name** Not applicable

**Transport hazard class(es)** Not applicable

**Packing group** Not applicable

**Marine pollutant (Yes/No)** No

**Transport in bulk (according to IMO** Not applicable

**instruments)**

### Special precautions

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.

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## 15. Regulatory information

**Workplace Safety and Health Act:** Applicable

**Workplace Safety and Health (General Provisions) Regulation:** Ethane-1,2-diol

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## 16. Other information

**Prepared in accordance with SS586: 2022**

### Abbreviations and acronyms:

PEL(Short Term): Permissible exposure level over a 15-minute period during any working day

ACGIH: American Conference of Governmental Industrial Hygienists



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TWA: Time Weighted Average

V: Vapor fraction

STEL: Short Term Exposure Limits

I: Inhalable particulate matter

H: Aerosol only

A4: Not classifiable as a human carcinogen

### **Warranty:**

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 in the above means no relevant information.