



Safety Data Sheet

Product Name: Aqueous pigment ink AP50 Black
SDS No.: 037-W599574
Date Prepared: 2025-09-25
Date Revised: -

1. Identification

Product identifier Aqueous pigment ink AP50 Black
Other means of identification Not available
Product codes AP50-K-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 MIMAKI SINGAPORE PTE. LTD.
(SINGAPORE) 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
Carbon black	4-8%	1333-86-4

Safety Data Sheet

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.

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.

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

Safety Data Sheet

Stop leak if you can do it without risk.

Collect spillage as much as possible.

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.

8. Exposure controls/personal protection

Control Parameters/Occupational Exposure Limits

Singapore

Ethane-1,2-diol PEL(Short Term) 50ppm, 127mg/m³

ACGIH

Ethane-1,2-diol TWA 25ppm^(V) STEL 50ppm^(V) 10mg/m^{3(l)(H)} (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.

9. Physical and chemical properties

Appearance (physical state, colour etc.) Black liquid

Odour None

Odour threshold Not available

Safety Data Sheet

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

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

11. Toxicological information

Acute toxicity**Oral:**

Safety Data Sheet

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

12. Ecological information

Toxicity

Not available

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Safety Data Sheet

Not available

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.

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.

15. Regulatory information

Workplace Safety and Health Act: Applicable

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

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



Product Name: Aqueous pigment ink AP50 Black
SDS No.: 037-W599574
Date Prepared: 2025-09-25
Date Revised: -

Safety Data Sheet

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.