

1. Identification

Product identifier Aqueous pigment ink AP50 Black

Other means of identification Not available

Product code AP50-K-BJ

Recommended use of the chemical and restrictions on use

Recommended use Water-based pigment ink

Restrictions on use For use as ink jet printing ink only

Chemical manufacturer, importer, or other responsible party(local)

Company name MIMAKI USA, INC.

U.S. address 4851 Thurmon Tanner Parkway, STE 100 Flowery Branch, GA 30542, U.S.A.

U.S. telephone number +1-678-730-0170

Manufacturer

Company name MIMAKI ENGINEERING CO., LTD.

Address 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN

Telephone number +81-268-64-2413

Emergency phone number +1 866 928 0789 (within United States only, Toll free) (24h)

+1 215 207 0061 (24h)

2. Hazard identification

GHS classification

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

Label content

Hazard pictogram or symbol

None

Signal word None

Hazard statement(s)

None

Precautionary statement(s)

None

Hazard not otherwise classified (HNOC):

Not available

Hazards of chemical reaction products associated with known or reasonably anticipated uses or applications:

Not available

3. Composition/information on ingredients

Distinction of substance or mixture: Mixture

Chemical name	Common name(Synonyms)	CAS number or other unique identifier	Content or concentration range
Water	Not available	7732-18-5	50-80%
Carbon black	Not available	1333-86-4	4-8%
1,2,3-Propanetriol	Glycerine	56-81-5	10-20%
1,2-Ethanediol	Ethylene glycol	107-21-1	7-15%

Note: The specific chemical identity, and/or concentration (exact or range) of the composition has been withheld as a trade secret.

4. First aid measures

Description of necessary 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

Safety Data Sheet

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

Special protective equipment and precautions 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 (refer to 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.

Methods and materials for containment and cleaning up

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

Occupational exposure limits

OSHA (PELs)

Carbon black	TWA 3.5 mg/m ³
1,2,3-Propanetriol	TWA 15 mg/m ³ (Total dust)
1,2,3-Propanetriol	TWA 5 mg/m ³ (Respirable fraction)
ACGIH (TLVs)	
Carbon black	TWA 3mg/m ³ (L) (A3)
1,2-Ethanediol	TWA 25ppm (V) STEL 50ppm(V) 10mg/m ³ (L)(H) (A4)

Biological limits

ACGIH Not available

Appropriate 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.

Personal protective equipment

Respiratory protection	Wear face protection as necessary.
Hand protection	Wear protective gloves as necessary.
Eye/face protection	Wear eye protection as necessary.
Skin protection	Wear protective clothing and safety shoes as necessary.

9. Physical and chemical properties

Physical state	Liquid
Color	Black
Odor	None
Odor threshold	Not available
pH	7-9
Melting point/freezing point	Not available
Boiling point (or initial boiling point or boiling range)	100°C
Flash point	None
Evaporation rate	Not available
Flammability	Not available
Lower and upper explosion limit/flammability limit	Upper: None; Lower: None
Vapor pressure	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
Relative vapor density	Not available
Particle characteristics	Not available

10. Stability and reactivity

Reactivity

Not available

Chemical stability

Stable under normal handling conditions.

Possibility of hazardous reactions, including those associated with foreseeable emergencies

None

Conditions to avoid

None

Incompatible materials

Strong oxidants, strong acids

Hazardous decomposition products

None

11. Toxicological information

No alternative information is used.

Acute toxicity

Oral

Not available

Dermal

Not available

Inhalation

Not available

Skin corrosion/irritation

Not available

Serious eye damage/irritation

Not available

Respiratory sensitization

Not available

Skin sensitization

Not available

Germ cell mutagenicity

Not available

Carcinogenicity

Not available

OSHA: Not Listed

IARC:

Carbon black: Group 2B

NTP: Not Listed

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

Ecotoxicity

Not available

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

Other adverse effects

Not available

13. Disposal considerations

Remaining wastes

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.

Contaminated container and packaging

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.

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 instruments Not applicable

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

TSCA Inventory Listed (Water / Carbon black / 1,2,3-Propanetriol / 1,2-Ethanediol)

Occupational Safety and Health Act

Air contaminants Carbon black / 1,2,3-Propanetriol

Highly hazardous chemicals Not applicable

HCS 2024 Regulated

CERCLA Regulation 1,2-Ethanediol (5000 (2270) pounds (Kg))

EPCRA 302 Regulation Not regulated

EPCRA 304 Regulation 1,2-Ethanediol (5000 (2270) pounds (Kg))

EPCRA 313 Regulation 1,2-Ethanediol

State Regulations

US. California Proposition 65

: WARNING



This product can expose you to chemicals including Ethylene glycol and Carbon black, which are known to the State of California to cause cancer/ birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other information

Date of preparation 2025-08-19

Date of revision -

Notice to reader:

This SDS is prepared based on Hazard Communication, Final Rule, Federal Register, Vol. 89, No. 98.

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.

MIMAKI™

Safety Data Sheet

Product Identifier: Aqueous pigment ink AP50 Black
SDS No. 037-W599578
Date of preparation: 2025/08/19
Date of revision: -

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