

Product Information Sheet

1. Identification of The Substance/Preparation and of The Company/Undertaking

1.1. Identification of the preparation: Epson Ink Cartridge, T5968

1.2. Use of the substance/preparation: Inkjet Printing

1.3. Company/undertaking identification

Manufacturer/Distributor: SEIKO EPSON CORPORATION
Address: 80 Harashinden, Hirooka,
 Shiojiri-shi, Nagano-ken, 399-0785
 JAPAN
TEL: +81-263-52-2552 **FAX:** +81-263-53-3702

1.4. Emergency telephone: +81-263-52-2552 (Mon – Fri, 9AM – 5PM JST)

2. Hazard Identification

Not classified as hazardous preparation under EU Directive 1999/45/EC.

2.1. Emergency Overview:

Ink component is a black liquid that may cause eye irritation. Avoid contact with eyes or clothing. In the case of skin contact, wash with soap and water. Keep out of reach of children.

2.2. Potential Health Effects:

Eyes: Ink contact with eye may be mildly irritating. See Section 11 for Toxicology.
Skin: Ink contact with skin may cause irritation, swelling, or redness. It is not expected to cause an allergic skin reaction. See Section 11 for Toxicology.
Inhalation: Intentional exposure to ink vapors may cause respiratory irritation. See Section 11 for Toxicology.
Ingestion: May cause upset stomach, See Section 11 for Toxicology.

3. Composition/Information on Ingredients

This is an aqueous ink formulation

Ink Composition	CAS No.	% By Weight
Proprietary dyes and pigments	-	5 - 10 %
Proprietary organic materials	-	5 - 10 %
Glycerols	-	10 - 15 %
TEGBE	143-22-6	< 5 %
Water	7732-18-5	balance

4. First Aid Measures

- 4.1. Eyes:** Immediately flush with room temperature, low pressure and clean water for at least 15 minutes. Seek medical attention if eye irritation continues.
- 4.2. Skin:** Wash surface areas with soap and water. Wash soiled clothing before rewearing. Consult a physician if irritation continues.
- 4.3. Inhalation:** Remove subject to ventilated fresh air. Consult physician if necessary.
- 4.4. Ingestion:** Seek medical advice; and attention if stomach continues to be upset.

5. Fire Fighting Measures

- 5.1. Flammability:** Not Flammable
- 5.2. Extinguishing Media:** Dry chemical or carbon dioxide
- 5.3. Fire Fighting Instructions:** No special fire fighting procedures are required other than breathing apparatus. No special explosion hazards are known.

6. Accidental Release Measures

- 6.1. Personal protections:** Eye or skin protection required during clean-up. Use proper ventilation.
- 6.2. Methods for cleaning up:** If a spill occurs, use sponges to wipe-up ink, and then rinse area with damp cloth. Place waste in closed container for disposal. Do not dispose of waste to the sewer. Wash hands with soap and water.

7. Handling And Storage

- 7.1. Handling:** Avoid contact with eyes, skin and clothing. Keep out of reach of children and do not drink ink.
- 7.2. Storage:** Do not store in high or freezing temperatures. Keep out of direct sunlight. Do not store with oxidizing agents or explosives. Store in a dry area.
- 7.3. Specific use(s):** Not specified

8. Exposure Controls and Personal Protection

- 8.1. Exposure limit values:** No required
- 8.2. Exposure Controls:**
- 8.2.1. Occupational exposure control**
No required
- 8.2.1.1. Respiratory protection**
No required when cartridges are used as intended
- 8.2.1.2. Hand protection**
No required when cartridges are used as intended
- 8.2.1.3. Eye protection**
No required when cartridges are used as intended
- 8.2.1.4. Skin protection**
No required when cartridges are used as intended
- 8.2.2. Environmental exposure control**
Not established
- 8.3. Engineering Controls**
No required

9. Physical and Chemical Properties of Ink Formulation

- 9.1. General information**
- Appearance:** Black Liquid

Odor: None

9.2. Important health, safety and environmental information

pH: About 9.2 at 20°C / 68 °F
Boiling point: No data available
Melting point: No data available
Flash point: Not detected until 120°C / 248 °F (Closed cup, ASTM D3278)
Autoflammability: None
Explosive properties: None
Oxidizing properties: None
Vapor density: No data available
Relative density: 1.07 at 20 °C / 68 °F
Solubility in water: Complete
Solubility in fat: No data available
Partition coefficient: No data available
Viscosity: Less than 5 mPa·s

9.3. Other information Not specified

10. Stability and Reactivity

Stability Stable
Hazardous polymerization Will not occur
10.1. Conditions to avoid: None
10.2. Materials to avoid: Oxidizers and explosives
10.3. Hazardous decomposition products: None

11. Toxicology and Health Hazards

*Based on toxicology data of chemically similar material

Routes Of Overexposure: Eye, skin, inhalation, and oral
Acute Health Hazards:

- Overexposure of eye surface to ink may be mildly irritating
- Overexposure of skin to ink contact may cause irritation and in some people swelling and redness
- Intentional inhalation overexposure to ink vapors may result in respiratory tract irritation
- Intentional or accidental oral ingestion may cause an upset stomach

Chronic Health Hazards: None known
Mutagenicity: Negative (by Ames Test)*
Carcinogenicity: Not contain any substances listed in IARC Monographs (1,2A and 2B)

Toxicity Data:

Oral LD ₅₀	Dermal LD ₅₀	Inhalant LC ₅₀
> 2500mg/kg (Rats)*	> 2000mg/kg (Rats)*	Not Applicable

Eye irritating: Minimal irritating (Rabbits, OECD 405)*
Skin irritating: Mild irritating (Rabbits, OECD 404)*
Skin sensitizing: Non-sensitizing (Guinea Pig, OECD 406)*

12. Ecological Information

12.1. Ecotoxicity No data available on the adverse effects of this ink on the environment
12.2. Mobility No data available on the adverse effects of this ink on the environment
12.3. Persistence and degradability No data available on the adverse effects of this ink on the environment
12.4. Bioaccumulative potential

12.5. *Other adverse effects* No data available on the adverse effects of this ink on the environment
No data available

13. Disposal Considerations

Disposal should be in accordance with national and local requirements.

14. Transportation Information

UN Class/UN Number: Not applicable
DOT, IMO, or IATA : Not hazardous classification

15. Regulatory Considerations

U.S. Regulations:

TSCA Inventory: All components are compliant with TSCA chemical inventory regulations or exempted.

EU Regulations:

EU Inventory: All components are compliant with EU chemical inventory regulations or exempted.

Labeling: This ink does not need to be labeled in accordance with EU Directive 1999/45/EC.

16. Other Information

This "Material Safety Data Sheet" contains health, safety, and environmental information. It does not replace any precautionary language or use and disposal information which accompanies the product. The information contained herein is believed to be accurate at the time of preparation, but should only be used as a guide. It is subject to revision from time to time. EPSON does not warrant the completeness or accuracy of the information contained herein.