

# Material Safety Data Sheet

Version 1.0

April 25,2001

【No.SJIC1】

## Manufacturer Information

Manufacturer	SEIKO EPSON CORPORATION	Matsumoto Minami Plant
Address	2070 Kotobuki-Koaka, Matsumoto-shi, Nagano Prefecture, JAPAN	
Facsimile	81-263-86-9799	(Facsimile Number : 81-263-86-9926)
Section	SD Quality & Environmental System Administration Group	

*Product name*     *Ink cartridge*     *SJIC1*

### 1. Product Identification

This ink cartridge contains MPI008 ink.

### 2. Information of the ink

This ink is a blend of the following:

Water	(CAS No.7732-18-5)	: Greater than 70 wt%
Glycerol	(CAS No.56-81-5)	: Less than 15 wt%
Dyestuff		: Less than 5 wt%
Other		

### 3. Hazard Identification

This ink is not classified as hazardous or toxic.

Main hazards or toxicity are as follows:

Hazards	: None observed.
Toxicity	: If the product contacts the eye, minimal to moderate conjunctival irritation may occur. No corrosion, acute oral toxicity, or mutation have been observed.

### 4. Emergency First Aid

- |                |  |
|----------------|--|
| 4.1 Skin       | : (Ink contact with skin) Rinse with large quantities of water and wash off with soap or other cleanser. If the black stain does not wash off, rub it gently with a soaped towel.  |
| 4.2 Eyes       | : (Ink contact with eyes) Immediately rinse with large quantities of fresh water. If there is still irritation or pain after 15 minutes of rinsing, consult an ophthalmologist without delay. When rinsing the eyes, open the eyelids with your fingers to ensure that water reaches the eyeballs and all parts of the lids. |
| 4.3 Inhalation | : (Inhalation of ink fumes) Inhalation of fumes generated under normal use conditions presents no problem. However, the inhalation of fumes formed by heating should be avoided. If large quantities of such fumes are inhaled, move the victim to fresh air, keep them quiet and warm, and consult a physician.             |
| 4.4 Ingestion  | : (Ingestion of ink) Induce vomiting by inserting fingers in the throat, or by other means.  |

### 5. Fire Hazard

Extinguish with water-spray, CO<sub>2</sub> gas, dry chemical, foam.

Fire fighters should use self-contained respiration equipment to avoid inhalation of heat- or explosion-induced fumes.

### 6. Spillage, Leakage and Disposal

If a spill or leak of ink occurs, wear protective glasses and rubber gloves, and wipe the ink with an absorbent material such as a rag or tissues, and discard.

Clean black stains with water.

### 7. Handling and Storing

Avoid contact with skin, eyes and clothing.

Store at room temperature. Do not store at over 40 degrees (104F).

### 8. Employee Protection Recommendations

- |                     |   |
|---------------------|---|
| 8.1 Eye Protection  | : When the ink cartridge is installed in the printer and used under normal conditions, no special eye protection is necessary.  |
| 8.2 Skin Protection | : When the ink cartridge is installed in the printer and used under normal conditions, no special skin protection is necessary. |
| 8.3 Respiratory     | : When the ink cartridge is installed in the printer and used under normal conditions, respiratory protection is not necessary. |
| 8.4 Ventilation     | : When the ink cartridge is installed in the printer and used under normal conditions, no special ventilation is necessary.     |

# Material Safety Data Sheet

Version 1.0

April 25,2001

【No.SJIC1】

---

*Product name*     *Ink cartridge SJIC1*

---

**9. Physical and Chemical Properties**

- 9.1 Form : Liquid (at 25 degrees (77F)).  
9.2 Color : Black  
9.3 Odor : Slight  
9.4 Boiling Point : Approximately 100 degrees (212F).  
9.5 Melting Point : Approximately -10 degrees (14F).  
9.6 Viscosity : Approximately 2.3 mPa·s (at 25 degrees (77F)).  
9.7 Solubility in water : The infinite  
9.8 pH value : Approximately 8.  
9.9 Flash Point : Not determination below its boiling point.
- 

**10. Reactivity Data**

- 10.1 Stability : Extremely stable under normal conditions.  
10.2 Polymerization : Not expected.  
10.3 Materials to Avoid : Strong oxidizing or reducing agents.  
10.4 Hazardous Decomposition  
: CO gas, CO<sub>2</sub> gas, nitric oxide, and toxic fumes may be generated when ink rapidly brought to high temperature.
- 

**11. Toxicity Data**

- 11.1 Acute oral toxicity (LD<sub>50</sub>)  
: Oral rat LD<sub>50</sub> 2,000 mg/kg or more.  
11.2 Acute eye irritation/corrosion  
: Testing on rabbits minimal to moderate conjunctival irritation was noted in treated eyes one hour after treatment. Minimal conjunctival irritation was noted in treated eyes at the 24-hour observation.  
No corrosive effects were noted.  
11.3 Acute dermal irritation/corrosion  
: Testing on rabbits, this ink produced a primary irritation index of 0.5 and was classified as a mild irritant to rabbit skin according to the Draize classification scheme.  
No corrosive effects were noted.  
11.4 Mutagenic activity : This ink did not show mutagenic activity in the bacteria(Salmonella typhimurium: TA98, TA100, TA1535, TA1537 and the Escherichia coli mutant WP2 uvrA).  
11.5 Sensitization : Not observed in testing to guinea pig.
- 

**12. Ecological Information**

No information on ecological effects is obtained.

**13. Waste Disposal Method**

Waste disposal should be in accordance with federal, state and local regulations.

**14. Transport Information**

No information on transport is obtained.

**15. Regulations Information**

No information on regulations is obtained.

**16. Other Information**No other information is obtained.

---