

MATERIAL SAFETY DATA SHEET

1. Identity **ERC-05 (B)**

Manufacturer : SEIKO EPSON CORPRATION
Address : 2070 Kotobuki Koaka, Matsumoto-Shi, Nagano-Ken 399-8702, JAPAN
Telephone : 81-263-86-9759 Facsimile Number : 81-263-86-9926
Section : IMAGING & INFORMATION PRODUCTS DIV.
IP ENVIROMENTALLY CONSCIOUS PRODUCTS PROMOTION DEPT.

2. Composition/Information on Ingredients

This ink is a mixture of the following:

Ingredients

| [INK#122/#126] | < Wt % > | | |
|------------------|----------|---|-------------|
| Carbon Black | 0.5 | - | 1.0 |
| Organic Pigments | 4.0 | - | 6.0 |
| Dyestuff | 9.0 | - | 11.0 |
| Ester Oils | | | 10.0 - 12.0 |
| Another Oils | | | 24.0 - 26.0 |
| [Base Fabric] | | | |
| Nylon 66 Fabric | | | 15.4 |
| Urethane Roll | | | 33.8 |

All components are listed in TSCA Inventory.

3. Hazard Identification

Medical Conditions: Generally Aggravated by Exposure : No enough data for hazardous classification.

Signs and Symptoms of Exposure : No symptoms expected under intended use.

4. First – Aid Measures

Eyes : Rinse with plenty of water and seek medical advice if any irritation remains.
Skin : Wash with soap and water.
Inhalation : Not applicable.
Others : No data available.

5. Fire - Fighting Measures

Flammability : Combustibles.
Extinguishing Media : Water, Foam, and Dry chemical, Co2 gas.
Fire Fighting Instructions : Follow the general fire guidance.

6. Accidental Release Measures

Personal protections : Although not needed especially, in order to prevent adhesion of ink, wearing of a nylon glove is good.
Methods for cleaning up : Wipe off with paper or cloth.

7. Handling and Storage

: It keeps away from fire.

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: Store in a cool and dry place.

8. Exposure Controls/Personal Protection

Respiratory Protection(Specify Type) : None
Ventilation : Not applicable
Protective Gloves : Although not needed especially, in order to prevent adhesion of ink, wearing of a nylon glove is good.
Eye protection : Not available
Other Protective Clothing or Equipment : Not applicable
Work/Hygienic Practices : None

9. Physical and Chemical Properties

Appearance : Black
Odor : None
pH : No data available
Boiling point : >200
Melting Point : No data available
Flash Point : No data available
Inflammability : combustibles
Auto flammability : No data available
Explosive properties : No data available
Oxidizing properties : There is nothing in general storage and handling
Vapor pressure : No data available
Relative density : about 1.0
Solubility in water : Insolubility
Solubility in fat : No data available
Partition coefficient : No data available
Unusual Fire and Explosion Hazards : None

10. Stability and Reactivity

Stability : Stable
Incompatibility (Materials to Avoid) : Not applicable
Hazardous Decomposition or By-products : None
Reactivity : There is nothing in general storage and handling.

11. Toxicological Information

Based on toxicology data of ink.

Acute toxicity:

Oral : Not available
Skin : Not available
Inhalation : Not available

Irritation :

Skin : Not available
Eye : Slightly irritating.

Skin sensitization : Not available

Mutagenicity : Not available

Carcinogenicity : The carbon black contained in this product correspond to IARC(2B)

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12. Ecological Information

- Mobility : No data are available on the adverse effects of this material on the environment.
- Degradability : No data are available on the adverse effects of this material on the environment.
- Accumulation : No data are available on the adverse effects of this material on the environment.
- Ecology toxicity : No data are available on the adverse effects of this material on the environment.
- Toxicology influence of other : No data are available on the adverse effects of this material on the environment.
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13. Waste Disposal Method

Waste disposal should be in accordance with federal, state and local regulations.
In case entrusting the Waste disposal, make the contents clear for disposal of industrial waste trader.

14. Transport Information

No information available.

15. Regulations Information

US Information

Information on the label: Not required

SARA Title

302 Extreme hazardous substances: None

311/312 Hazard categories: None

313 Reportable ingredients: None

California Proposition 65:

This product contains no chemical substances subject to California Proposition 65.

EU information

Information on the label (1999/45/EC and 67/548/EEC):

Symbol & Indication: Not required

R-phrase: Not required

S-phrase: Not required

NEPA hazard rating (USA):

Health:0 Flammability:1 Reactivity:0

HMIS rating (USA):

Health:0 Flammability:1 Reactivity:0

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.
