

MATERIAL SAFETY DATA SHEET

Date of printing: 2006/6/21

Revised:

1. Product and Company Identification

Details on the product

Commercial product name: THERMAL TRANSFER RIBBON **FX-SP2**

PFPE1511ZA、PFPE1512ZA、KX-FA91、KX-FA52A、
KX-FA52E、KX-FA52X

Manufacturer / Supplier: GENERAL TECHNOLOGY CO., LTD.
18 SATSUKIGAOKA, MINAKUCHI-CHO
KOKA, SHIGA, 528-0062 JAPAN

2. Composition / Information on Ingredients

Substance or Preparation: Preparation

Chemical characteristics

	CAS No.	Contents (Wt%)
[Ink]		
Carbon Black	1333-86-4	5.0 - 10.0
Paraffin wax	8002-74-2	10.0 - 15.0
Carnauba wax	8015-86-9	10.0 - 15.0
Olefin	64743-02-8	5.0 - 10.0
Ethylene Homo polymer	9002-88-4	1.0 - 3.0
Ethylene-vinyl acetate copolymer	24937-78-8	1.0 - 3.0
[Film]		
Polyethylene Terephthalate	25038-59-9	50.0 - 55.0

3. Hazards Identification

Human Health Effects: No know available information.

Environmental Effects: No know available information.

Physical and Chemical Hazards: No know available information.

4. First- Aid Measures

Skin Contact: Wash thoroughly with soap and water.

Eye Contact: Rinse with plenty of water and seek medical advice if any irritation remains.

Ingestion: Wash mouth with water and get medical advice.

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5. Fire-Fighting Measures

Suitable Extinguishing Media: Water, CO₂, Dry-chemical and others.

Specific Method: No special fire protecting method is required.

6. Accidental Release Measures

Personal Precautions: Not applicable under intended use.

Environment Precautions: Especially nothing

7. Handling and Storage

Handling: Prohibited to dropping and throwing

Storage: Places, such as sunlight, a leak, and an excessive temperature change, are avoided.

8. Exposure Controls / Personal Protection

Technical Protection Measures: None needed

Personal Protection Equipment

Respiratory Protection: None required under normal conditions of use.

Hand Protection: None required under normal conditions of use.

Eye Protection: None required under normal conditions of use.

9. Physical and Chemical Properties

Form: Ribbon

Color: Black Odor: None

Change in physical

Boiling Point / Boiling Range: Not data

Flash Point: Not data

Ignition Point: Above 480 (Film)

Melting Point / Melting Range: Above 250 (Film)

Danger of Explosion: None

Explosion Limits lower limit: None upper limits: None

Vapor Pressure: Unknown

Density: approx. 1.4 (Film)

Solubility in Water: Insoluble

pH -value: Not data available

Viscosity: Solid (At room temperature)

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10. Stability and Reactivity

Hazardous Reactions: Not applicable in normal use.

Hazardous Decomposition Products: Will not occur

11. Toxicological Information

Acute Toxicity

Acute Oral Toxicity: No data

Acute Dermal Toxicity: No data

Acute Inhalation Toxicity: No data

Sensitization

Acute Skin Irritation: No data

Acute Eye Irritation: No data

Acute Allergenic Effects: No data

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

Contain of heavy metal: Adaptation to EN-71

12. Ecological Information

General Information:

Persistence / Degradability: Not known

Bioaccumulation: Not known in bioaccumulation.

Ecotoxicity

Acute Toxicity for Fish: Not known

Algae Inhibition Test: Not known

13. Disposal Considerations

Disposal Key Number: Not applicable

Disposal Definition: Not applicable

Waste disposal: Dispose of waste material in accordance with local state and federal pollution regulations.

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14. Transport Information

The UN Classification Number : Not applicable

Hazard Class: Not regulated as a hazardous material.

UN Number: None

15. Regulatory Information

EU: The materials of this product are not applicable to 67/548/EEC Annex

16. Other Information

None