Material Safety Data Sheet

SECTION 1 Product Identification

Product Name: Thermal Transfer Ribbon for Panasonic Plain Paper Fax
Product Number: KX-FA53, KX-FA55, KX-FA94
KX-FA53A, KX-FA55A, KX-FA55A7, KX-FA67A
KX-FA67E

SECTION 2 Hazardous Identification (Most Important Hazard)

Adverse Human Health Effects
No known applicable information.

Environmental Effects
No known applicable information.

Physical and Chemical Hazards
No known applicable information.

The classification of the Chemical Product
Not applicable

SECTION 3 Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Substance or Preparation</th>
<th>Chemical Nature</th>
<th>CAS No.</th>
<th>Contents (Wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Ink]</td>
<td>Paraffin wax</td>
<td>8002-74-2</td>
<td>23.0 – 28.0</td>
</tr>
<tr>
<td></td>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>6.0 – 9.0</td>
</tr>
<tr>
<td></td>
<td>Resin</td>
<td>Confidential</td>
<td>5.0 – 7.0</td>
</tr>
<tr>
<td></td>
<td>Carnauba wax</td>
<td>8015-86-9</td>
<td>4.0 – 6.0</td>
</tr>
<tr>
<td></td>
<td>Ethylene-vinyl acetate copolymer</td>
<td>24937-78-8</td>
<td>4.0 – 5.0</td>
</tr>
<tr>
<td></td>
<td>Pigment</td>
<td>Confidential</td>
<td>0.5 – 1.0</td>
</tr>
<tr>
<td>[Film]</td>
<td>Polyethylene Terephthalate</td>
<td>25038-59-9</td>
<td>48.0 – 53.0</td>
</tr>
</tbody>
</table>

SECTION 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.
SECTION 5  Fire Fighting Measures

Extinguishing Media
- Water, CO₂, Dry chemical, and others

Specific Hazards with Regard to Fire-Fighting Measures
- Fire fighters should wear proper protective equipment and respiratory protection.

Specific Method
- No special fire protecting method is required.

SECTION 6  Accidental Release Measures

Not applicable under intended use.

SECTION 7  Handling and Storage

Handling (technical measures, precautions, safe handling material)
- Handle in well ventilated area. Prohibition of dropping and throwing.

Storage (technical measures storage conditions, packaging material)
- Keep away from heat and direct sunlight. Store in cool, dry, well-ventilated area.

SECTION 8  Exposure Controls / Personal Protection

Engineering Measures
- Local Exhaust: None required under normal conditions of use.

Personal Protective Equipment
- Respiratory Protections: None required under normal conditions of use.
- Hand Protection: Although not needed especially, in order to prevent adhesion of ink, wearing of a nylon glove is good.
- Eye Protection: None required under normal conditions of use.
- Skin and Body Protection: None required under normal conditions of use.

SECTION 9  Physical and Chemical Properties

Physical States
- Form: Ribbon
- Color: Black
- Odor: None

Information
- pH: No data
- Boiling Point (°C): No data
- Flash Point (°C): No data
- Fire Point (°C): Above 480 (film)
- Melting Point (°C): Above 250 (film)
- Explosion Properties (°C): This product is considered a no explosive material under normal use condition.
- Vapor Pressure (pa): Not applicable
- Vapor Density (AIR=1): Not applicable
- Density (g/cm³): 1.4 (Film)
- Measuring Temperature (°C): 20

Solubility
- Water Solubility (g/L): Insoluble
- Water Solubility Measuring Temperature (°C): –
- Other Solvent name:
- Other Solvent Solubility (g/L):
- Other Solvent Solubility Measuring Temperature (°C):
- Octanol / Water Partition Coefficient: Not known
SECTION 10  Stability and Reactivity

Conditions to Avoid
Not applicable in normal use.

Materials to Avoid
Not applicable in normal use.

Hazardous Decomposition Products
Will not occur

SECTION 11  Toxicological Information

Acute Toxicity
Acute Oral Toxicity  : No data
Acute Dermal Toxicity  : No data
Acute Inhalation Toxicity  : No data
Carcinogenicity  : The carbon black contained in this product corresponds to IARC (2B).

SECTION 12  Ecological Information

Mobility  : Not known
Persistence / Degradability  : Not known
Bioaccumulation  : Not known

Ecotoxicity
Acute Toxicity for Fish  : Not known
Acute Toxicity for Daphni  : Not known
Algae Inhibition Test  : Not known

SECTION 13  Disposal Considerations

Dispose of waste material in accordance with local, state and federal pollution regulations.

SECTION 14  Transport Information

International Regulations
The UN Classification Number  : Not applicable
Hazard Class  : Not regulated as a hazardous material.
UN Number  : None

SECTION 15  Regulation Information

Regulations  : None

SECTION 16  Other Information

None

The information contained herein is based on the current knowledge. This Safety Data Sheet is intended to describe our products in correctness of safety requirements. It should not therefore be construed as guaranteeing specific properties. The data applies to only usual handling.