

# Material Safety Data Sheet

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MSDS No.: 021-001277

Date of issue : 25 November, 2010

Revised : 6 September, 2011

## SECTION 1 Identification of the Substance / Preparation and of the Company / Undertaking

Product Name : Thermal Transfer Ribbon for Panasonic Plain Paper Fax, Models KX-FP205, KX-FP207, KX-FP215, KX-FP218, KX-FC225, KX-FC226, KX-FC228, KX-FC255 & KX-FC258

Product Number : KX-FA52X

Manufacturer : Panasonic System Networks Co., Ltd.  
Imaging Systems Business Unit  
4-1-62 Minoshima, Hakata-ku, Fukuoka City, 812-8531 Japan  
Tel : +81-(0)92-477-1821 Fax : +81-(0)92-477-1487  
E-mail : msdsinfo\_ut@ml.jp.panasonic.com

Contact Point : Panasonic Testing Center  
Panasonic Marketing Europe GmbH  
Winsbergring 15, D-22525 Hamburg, Germany  
Tel: +49 (0)40 8549- 0

## SECTION 2 Hazardous Identification (Most Important Hazard)

Adverse Human Health Effects  
No know applicable information.

Environmental Effects  
No know applicable information.

Physical and Chemical Hazards  
No know applicable information.

The classification of The Chemical Product  
Not applicable

## SECTION 3 Composition / Information on Ingredients

Substance or Preparation : Preparation

Chemical Nature

Ingredients	CAS No.	Contents (Wt%)
[Ink]		
Paraffin wax	8002-74-2	29.0 – 33.0
Resin	27293-68-8	6.0 – 9.0
Carbon black	1333-86-4	2.0 – 3.0
Carnauba wax	8015-86-9	4.5 – 6.5
Pigment	Confidential	1.0 – 3.0
[Film]		
Polyethylene Terephthalate	25038-59-9	48.0 – 54.0

## 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.

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**SECTION 5 Fire Fighting Measures**

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Extinguishing Media

Water, CO<sub>2</sub>, Dry chemical. and others

Fire Fighting Equipment

Respiratory and eye protection required for fire fighting personnel.

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**SECTION 6 Accidental Release Measures**

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Not applicable under intended use.

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**SECTION 7 Handling and Storage**

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Handling (technical measures, precautions, safe handling material)

Prohibition of dropping and throwing.

Storage (technical measures storage conditions, packaging material)

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

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**SECTION 8 Exposure Controls / Personal Protection**

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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

It is not needed in particular, but arming of protection glove (a product made in vinyl or a product made in caoutchouc) is preferable to prevent adhesion of ink.

Eye Protection

None required under normal conditions of use .

Skin and Body Protection

None required under normal conditions of use .

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**SECTION 9 Physical and Chemical Properties**

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Physical States

Form : Ribbon

Color : Black

Odor : None

Information

pH : No data Measuring Temperature (°C) : -

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 Measuring Temperature (°C) : -

Vapor Density (AIR=1) : Not applicable

Density (g/cm<sup>3</sup>) : approx. 1.4 (Film) Measuring Temperature (°C) : -

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

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**SECTION 10 Stability and Reactivity**

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Conditions to Avoid

Not applicable in normal use.

Materials to Avoid

Not applicable in normal use.

Hazardous Decomposition Products

Will not occur

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**SECTION 11 Toxicological Information**

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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).

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**SECTION 12 Ecological Information**

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Persistence / Degradability : Not known

Bioaccumulation : Not known in bioaccumulation.

Ecotoxicity

Acute Toxicity for Fish : Not known

Acute Toxicity for Daphni : Not known

Algae Inhibition Test : Not known

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**SECTION 13 Disposal Considerations**

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

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**SECTION 14 Transport Information**

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International Regulations

The UN Classification Number : Not applicable

Hazard Class : Not regulated as a hazardous material.

UN Number : None

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**SECTION 15 Regulation Information**

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Regulations : None

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**SECTION 16 Other Information**

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None