

Date of issue : 28 May, 2015

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**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE
AND OF THE COMPANY / UNDERTAKING**

PRODUCT NAME : Ink of Thermal Transfer Ribbon for Panasonic Plain Paper Fax,
KX-FC166,KX-FC175,KX-FC176,KX-FC178,KX-FM89,KX-FM90,KX-FM189,
KX-FP80,KX-FP81,KX-FP82,KX-FP85,KX-FP86,KX-FP88,KX-FP151,
KX-FP152,KX-FP153,KX-FP155,KX-FP156,KX-FP158,KX-FP166,
KX-FP181,KX-FP185,KX-FPC91,KX-FPC95,KX-FPC96

PRODUCT NUMBER : KX-FA55A-E,KX-FA55X

RECOMMENDED USE : Ink for Thermal Transfer printing apparatus

MANUFACTURER : Panasonic Corporation
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SECTION 2 HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION : Classification not possible

GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS : Not required

SIGNAL WORD : Not required

HAZARD STATEMENTS : Not required

OTHER HAZARDS : None

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE OR MIXTURE : Mixture

INGREDIENTS(Common Name)	CONTENTS(Wt %)	CAS #	EC #
[INK]			
♦ Paraffin wax	23.0 - 28.0	8002-74-2	232-315-6
♦ Carbon black	6.0 - 9.0	1333-86-4	215-609-9
♦ Resin	5.0 - 7.0	Trade secret	Trade secret
♦ Carnauba wax	4.0 - 6.0	8015-86-9	232-399-4
♦ Ethylene-vinyl acetate copolymer	4.0 - 5.0	24937-78-8	-
♦ Pigment	0.5 - 1.0	Trade secret	Trade secret
[FILM]			
♦ Polyethylene terephthalate	48.0 - 53.0	25038-59-9	-

SECTION 4 FIRST AID MEASURES

INHALATION : Get medical advice/attention if you feel unwell.

INGESTION : Wash mouth with water and get medical advice.

SKIN CONTACT : Wash thoroughly with soap and water. If skin irritation occurs:
Get medical advice/attention.EYE CONTACT : Rinse with plenty of water and seek medical advice if any
irritation remains.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Water, Foam, CO₂, Dry chemical and others.
UNSUITABLE EXTINGUISHING MEDIA : No information available.
SPECIFIC HAZARDS : Hazardous combustion products may include carbon monoxide, carbon dioxide (CO₂).
SPECIFIC METHOD : Fight fire from upwind position if possible.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS :
Fire fighters should wear suitable protective clothing and self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS : Wear appropriate personal protective equipment as specified in section 8.
ENVIRONMENTAL PRECAUTIONS : Do not release into soil, sewers, river, or the public water courses.
CLEAN-UP METHODS : Sweep up and collect spilled product.

SECTION 7 HANDLING AND STORAGE

HANDLING :
TECHNICAL MEASURES : Refer to Section 8.
SAFE HANDLING ADVICE : Handle in well ventilated area. Prohibition of dropping and throwing. Wash hands thoroughly after handling.
STORAGE :
SUITABLE STORAGE CONDITIONS : Keep away from heat and direct sunlight. Store in cool, dry, well ventilated area.
SAFE PACKAGING MATERIAL : No information available.

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 : It is not needed in particular, but wearing of protection gloves is preferable to prevent soiling of hands.
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 STATE :
FORM : Ribbon
COLOR : Black
ODOR : None
INFORMATION :
pH : No data available
BOILING POINT (°C): No data available
FLASH POINT (°C): No data available
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): No data available
VAPOR DENSITY (AIR = 1): No data available
DENSITY (g/cm³): Approx. 1.4 (film)

SOLUBILITY :
WATER SOLUBILITY (g/L): Insoluble
OCTANOL/WATER PARTITION COEFFICIENT : Not known

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY : No hazardous reaction if stored and handled as prescribed.
STABILITY : Stable under normal conditions of use.
CONDITIONS TO AVOID : No information available.
MATERIALS TO AVOID : No information available.
HAZARDOUS DECOMPOSITION PRODUCTS : No dangerous decomposition products known.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : No data
SKIN CORROSION/IRRITATION : No data
SERIOUS EYE DAMAGE/IRRITATION : No data
SKIN SENSITISATION : No data
REPEATED DOSE TOXICITY :
Epidemiologic studies of workers in the carbon black producing industry in the U.S. and in Western Europe show no significant adverse health effect due to occupational exposure to carbon black.
CARCINOGENICITY :
The carbon black contained in this product corresponds to IARC (2B).
This classification is given to chemicals for which there is inadequate human evidence, but sufficient animal evidence on which to base an opinion of carcinogenicity. The classification is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free carbon black at levels that induce particle overload of the lung. Studies performed in animal models other than rats did not show any association between carbon black and lung tumors.
MUTAGENICITY : No data available
REPRODUCTIVE TOXICITY : No data available

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY : No data available
MOBILITY : No data available
PERSISTENCE / DEGRADABILITY : No data available
BIOACCUMULATION : No data available

SECTION 13 DISPOSAL CONSIDERATION

RECOMMENDED METHODS FOR SAFE ENVIRONMENTALLY PREFERRED DISPOSAL :
Dispose of waste material in accordance with local, state and federal pollution regulations.

SECTION 14 TRANSPORT INFORMATION

TRANSPORT INFORMATION : This is not a hazardous product.
UN NUMBER : None
PROPER SHIPPING NAME : Not applicable
HAZARD CLASS : Not regulated as a hazardous material.
PACKING GROUP : Not applicable

SECTION 15 REGULATORY INFORMATION

USA INFORMATION :

All chemical substances in this product comply with all applicable rules or orders under TSCA.

AUSTRALIA INFORMATION :

Not classified as hazardous according to criteria of NOHSC.

EU INFORMATION :

(EC) No 1907/2006 : AUTHORISATION ON USE : Not regulated
RESTRICTIONS ON USE : Not regulated
(EC) No 1272/2008 : CLASSIFICATION : None
HAZARD CLASS : None
HAZARD STATEMENT : None

SECTION 16 OTHER INFORMATION

REFERENCES :

SDS of raw material manufacturer
NITE: Chemical Risk Information Platform

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.
