



SK11454-04
Product Name
PC91/PC101 ink film

MATERIAL SAFETY DATA SHEET

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Issue Date: Dec. 27, 2004
MSDS No.: T1T2 001

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Ink film for use in PC91, PC92RF, PC94RF, PC95, PC101, PC102RF, and PC104RF

Description: This product is used with Brother Industries, Ltd. fax machines, FAX-900 series and FAX 1350 series.

Manufacturer: Brother Industries, Ltd.
Information & Document Company
1-1-1, Kawagishi, Mizuho-ku, Nagoya 467-8562, Japan
Telephone (for information): +81-52-824-2735

Importer in USA: Brother International Corporation
100 Somerset Corporate Boulevard, P.O. Box 6911, Bridgewater, NJ 08807-0911, USA
Telephone (for information): 800-284-4329

Importer in Canada: Brother International Corporation (Canada) Ltd.
1 Hotel De Ville, Dollard des Ormeaux, Quebec, H9B 3H6, Canada
Telephone (for information): 514-685-0600

Importer in Europe: Brother International Europe Ltd.
Brother House, 1 Tame Street, Guide Bridge, Audenshaw, Manchester M34 5JE, UK
Telephone (for information): +44-161-330-6531

Importer in Australia:
Brother International (Aust.) Pty. Ltd. (ACN 001 393 835)
7 Khartoum Road, North Ryde, N.S.W. 2113, Australia
Telephone (for information): 02-9887-4344

We do not provide 24 hour cover for information contact. Please telephone to the above office appropriate to you during our business hours.

Section 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	OSHA PEL	ACGIH TLV	% Wt.
Polyethylene Terephthalate Film	25038-59-9	-	-	47 - 51
Coating layer substances				
Carbon Black	1333-86-4	3.5 mg/m ³	3.5 mg/m ³	7 - 11
Ester Wax	8015-86-9	-	-	4 - 8
Paraffin Wax	8002-74-2	-	2.0 mg/m ³	11 - 15
Microcrystalline Wax	63231-60-7	-	-	13 - 19
Ethylene Vinyl Acetate Copolymer	24937-78-8	-	-	1 - 5
Others		-	-	3 - 7

Section 3 – HAZARDS IDENTIFICATION

Emergency Overview:

This product is a polyethylene terephthalate film coated with black solid ink with slight acetic acid odor.

Potential Health Effect:

None currently known

Potential Environmental Effect:

Not available

Section 4 - FIRST AID MEASURES

Eyes:

No eye contact in normal use. If exposed, flush eyes with running water.
If irritation persists, seek medical attention.

Skin:

If contacted, wash skin with soap and water.

Ingestion:

Not applicable.

Inhalation:

Not applicable.

Section 5 - FIRE FIGHTING MEASURES

Flash Point: About 250°C for ink

Flammable Limit LEL: Not applicable

UEL: Not applicable

Extinguishing Media: CO₂, water, dry chemical and foam

Special Fire Fighting Procedures:

For large quantities (i.e. truckload or pallet) involved in a fire, firefighters should wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards:

None

Section 6 - ACCIDENTAL RELEASE MEASURES

Rumpling the product may cause the wax layer to peel off. Sweep up or vacuum it. When sweeping, avoid raising film or dust. If a vacuum cleaner is used, motor should be rated as dust tight. Wash any residue off skin with soap and water. Garments may be washed or dry cleaned after removal of loose film or dust.

Section 7 - HANDLING AND STORAGE

No special precautions for safety reason.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Not required
Respiratory Protection: Not required
Protective Gloves: Not required
Eye Protection: Not required

Section 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance	: Black solid (ink)	Odor	: Slight acetic acid odor
pH	: Not applicable	Boiling Point	: Not applicable
Melting Point	: 71 °C	Flash Point	: About 250 °C (for ink)
Vapor Pressure	: Not applicable	Vapor Density	: Not applicable
Specific Gravity (H ₂ O=1)	: About 1.2	Solubility in water	: Negligible
Evaporation Rate (Butyl Acetate=1)	: Negligible		

Section 10 - STABILITY & REACTIVITY

Stability: Stable
Incompatibility: None
Hazardous Decomposition Products: CO, CO₂, NO_x, H₂O, etc.
Hazardous Polymerization: Will not occur.

Section 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity: None currently known
Eye Effects: None currently known
Skin Effects: None currently known
Mutagenicity: Negative for all the ingredients (Test species: *Salmonella typhimurium*)
Carcinogenicity: Carbon Black: IARC Group 2B (for carbon black powder through inhalation route)
It is not applicable to this product because inhalation of carbon black powder does not occur.

Section 12 - ECOLOGICAL INFORMATION

Not available

Section 13 - DISPOSAL CONSIDERATIONS

Dispose by the same method of ordinary plastic products in accordance with all applicable regulations.
Any disposal practice must be in compliance with local, state and federal laws and regulations.
If necessary, contact government office and ensure conformity with disposal regulations.



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Section 14 - TRANSPORTATION INFORMATION

No special precautions for safety reason.

UN Number: None

UN Classification: None

Section 15 - REGULATORY INFORMATION

Not classified as hazardous.

R-Phrase: Not required

S-Phrase: Not required

Section 16 - OTHER INFORMATION

This document is based on our knowledge at the time of preparation. While we believe that the data contained herein are accurate, many of the data have been derived from outside sources and we cannot assume any liability as to the accuracy of the data. They are offered solely for your information.

This document covers only normal conditions of use and handling. When using product under unintended conditions, user is responsible to examine proper precautions for any particular use.

End of MSDS No.: T1T2_001