PC401
402 RF

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No.1218-0072

IDENTITY(As Used on Label and List)
Specification for Inkfilm for Brother facsimile
Fax 560 , Fax 580 MC(TA) , MFC 660 MC series

Note :Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name
DAI NIPPON PRINTING CO.,LTD.

Address:
691-2, Kamihirose, Higashikubo, Sayama,
Saitama, 350-1321
JAPAN

Emergency Telephone Number
042-952-9666

Telephone Number for information
042-952-9666

Date prepared March 30, 2000

Signature of Preparer (optional)
Hideichiro Takeda
Hideichiro Takeda / Mgr. of Technical Dept.

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Polyethylene terephthalate film (CAS No. 25038-59-9)				(47 ~ 52%)
Coating layer substances				
Carbon Black (CAS No. 1333-86-4)	3.5mg/m3	3.5mg/m3	None	(7~ 10%)
Ester Wax (CAS No. 8015-86-9)	-	-	None	(2~ 7%)
Paraffin Wax (CAS No. 8002-74-2)	-	2.0mg/m3	None	(10~ 14%)
Microcrystalline Wax (CAS No. 63231-60-7)	-	-	None	(16~ 22%)
Ethylene Vinyl Acetate Copolymer(CAS No. 24937-78-8)	-	-	None	(1~ 5%)
Others	-	-	None	(1~ 6%)

Section III - Physical/Chemical Characteristic

Boiling Point	Not applicable	Specific Gravity (H2O=1)	About 1.2
Vapor Pressure (mmHg)	Not applicable	Melting Point	71℃
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate=1)	Negligible

Solubility in water
Negligible

Appearance and Odor
Ink is black solid with slight odor.

Section IV - Fire and Explosion Hazard Data

Flash point (Method Used)	Flammable Limits	LEL	UEL
About 250℃ for ink	Not applicable	Not applicable	Not applicable

Extinguishing Media
CO2, Water, Dry Chemicals, 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

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Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid None
	Stable	○	

Incompatibility (Materials to Avoid)
None

Hazardous Decomposition or Byproducts
CO,CO2,NOX and H2O etc.

Hazardous Polymerization	May Occur		Conditions to Avoid None
	Will Not Occur	○	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	No	No	possible but very unusual.

Health Hazards(Acute and Chronic)
All the ingredients are negative mutagenic(Test species ;S. typhimurium)

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	Carbon Black : Group 2B	No

Signs and Symptoms of Exposure
None

Medical Conditions
Generally Aggravated by Exposure None

Emergency and First Aid Procedures
Not applicable

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken In Case Material is Released or Spilled
Rumpling the product may cause the wax layer to peel off. Sweep up or vacuum. When sweeping , avoid raising film or dust. If a vacuum is used , motor should be rated as dust tight. Wash any residue off skin with soap and water. Garments may be wasted or dry cleaned after removal of loose film or dust.

Waste Disposal Method
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.

Precautions to Be Taken in Handling and Storing.
No special precautions for safety reason.

Other Precautions
None

Section VIII - Control Measures

Respiratory Protection (Specify Type)
Not required

Ventilation	Local Exhaust	Special
	No	No
	Mechanical(General)	Other
	No	No

Protective Gloves	Eye Protection
Not required	Not required

Other Protective Clothing or Equipment
None

Work/Hygienic Practices
None