

# 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)

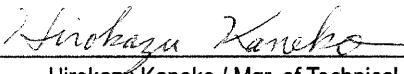
Form Approved

OMB No.1218-0072

IDENTITY(As Used on Label and List)  
Specification for inkfilm for Brother facsimile  
Fax 1970series (Accessories PC201,PC202RF,PC204RF)  
Fax 770series (Accessories PC301, PC300RF,PC302RF,PC304RF)

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<br>DAI NIPPON PRINTING CO.,LTD.                               | Emergency Telephone Number<br>042-952-9666                                                                                                                          |
| Address:<br>591-2, Kamihirore, Higashikubo, Sayama,<br>Saitama, 350-1321<br>JAPAN | Telephone Number for information<br>042-952-9666                                                                                                                    |
|                                                                                   | Date prepared March 14, 2003                                                                                                                                        |
|                                                                                   | Signature of Preparer (optional)<br><br>Hirokazu Kaneko / Mgr. of Technical Dept. |

## Section II - Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits<br>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)<br>About 250℃ for ink                                                                                                                                              | Flammable Limits<br>Not applicable | LEL<br>Not applicable | UEL<br>Not applicable |
| Extinguishing Media<br>CO2, Water, Dry Chemicals, Foam                                                                                                                                       |                                    |                       |                       |
| Special Fire fighting Procedures<br>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<br>None                                                                                                                                                   |                                    |                       |                       |

(Reproduce locally)

OSHA 174, Sept. 1985

March 14, 2003

## Section V - Reactivity Data

|                                                                  |                |                       |                             |
|------------------------------------------------------------------|----------------|-----------------------|-----------------------------|
| Stability                                                        | Unstable       |                       | Conditions to Avoid<br>None |
|                                                                  | Stable         | <input type="radio"/> |                             |
| Incompatibility (Materials to Avoid)<br>None                     |                |                       |                             |
| Hazardous Decomposition or Byproducts<br>CO,CO2,NOX and H2O etc. |                |                       |                             |
| Hazardous Polymerization                                         | May Occur      |                       | Conditions to Avoid<br>None |
|                                                                  | Will Not Occur | <input type="radio"/> |                             |

## Section VI - Health Hazard Data

|                                                                                                                |                   |                                             |                                          |
|----------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------|------------------------------------------|
| Route(s) of Entry:                                                                                             | Inhalation?<br>No | Skin?<br>No                                 | Ingestion?<br>possible but very unusual. |
| Health Hazards(Acute and Chronic)<br>All the ingredients are negative mutagenic(Test species ;S. typhimurium ) |                   |                                             |                                          |
| Carcinogenicity:                                                                                               | NTP?<br>No        | IARC Monographs?<br>Carbon Black : Group 2B | OSHA Regulated?<br>No                    |
| Signs and Symptoms of Exposure<br>None                                                                         |                   |                                             |                                          |
| Medical Conditions<br>Generally Aggravated by Exposure                      None                               |                   |                                             |                                          |
| Emergency and First Aid Procedures<br>Not applicable                                                           |                   |                                             |                                          |

## Section VII - Precautions for Safe Handling and Use

|                                                                                                                                                                                                                                                                                                                                                                             |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Steps to Be Taken in Case Material is Released or Spilled<br>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<br>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.<br>No special precautions for safety reason.                                                                                                                                                                                                                                                                               |  |
| Other Precautions<br>None                                                                                                                                                                                                                                                                                                                                                   |  |

## Section VIII - Control Measures

|                                                       |                                |               |
|-------------------------------------------------------|--------------------------------|---------------|
| Respiratory Protection (Specify Type)<br>Not required |                                |               |
| Ventilation                                           | Local Exhaust<br>No            | Special<br>No |
|                                                       | Mechanical(General)<br>No      | Other<br>No   |
| Protective Gloves<br>Not required                     | Eye Protection<br>Not required |               |
| Other Protective Clothing or Equipment<br>None        |                                |               |
| Work/Hygienic Practices<br>None                       |                                |               |