

# 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>DAINIPPON PRINTING CO.,LTD.                                                                | Emergency Telephone Number<br>042-952-9666                   |
| Address (Number, Street, City, State, and ZIP Code)<br>591-2 Kamihitosa Higashikubo sayama-shi, Saitama 350-1321. | Telephone Number for information<br>042-952-9666             |
| Japan.                                                                                                            | Date Prepared<br>June, 6, 1998                               |
|                                                                                                                   | Signature of Preparer (optional)<br><i>Hideichiro Takeda</i> |

## Section II - Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits<br>Recommended | % (optional) |
|-------------------------------------------------------------------|----------|-----------|-----------------------------|--------------|
| 1. Polyethylene terephthalate film (49~53wt%) (25038-59-9)        |          |           |                             |              |
| 2. Coating (47~51wt%)                                             |          |           |                             |              |
| Carbon Black (1333-86-4)                                          | 3.5mg/m3 | 3.5mg/m3  | None                        | 5~9%         |
| Ester Wax (8015-86-9)                                             | —        | —         | —                           | 3~7%         |
| Paraffin Wax (8002-74-2)                                          | —        | 2mg/m3    | None                        | 10~15%       |
| Microcrystalline Wax (63231-60-7)                                 | —        | —         | —                           | 13~17%       |
| Ethylene Vinyl Acetate Copolymer (24937-78-8)                     | —        | —         | —                           | 1~5%         |
| Others                                                            | —        | —         | —                           | 3~7%         |

## Section III - Physical/Chemical Characteristics

|                                                                 |                |                                       |            |
|-----------------------------------------------------------------|----------------|---------------------------------------|------------|
| Boiling Point                                                   | not applicable | Specific Gravity (H2O=1)              | about 1.2  |
| Vapor Pressure (mmHg)                                           | n.a.           | Melting Point                         | 70°C       |
| Vapor Density (AIR=1)                                           | n.a.           | Evaporation Rate<br>(Butyl Acetate=1) | Negligible |
| Solubility in Water<br>Negligible                               |                |                                       |            |
| Appearance and Odor<br>ink is black solid with slight wax odor. |                |                                       |            |

## Section IV - Fire and Explosion Hazard Data

|                                                                                                                                                                                              |                          |             |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|-------------|
| Flash Point (Method Used)<br>about 250°C for ink                                                                                                                                             | Flammable Limits<br>n.a. | LEL<br>n.a. | UEL<br>n.a. |
| Extinguishing Media<br>CO <sub>2</sub> , 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. 1993

## Section V - Reactivity Data

|           |          |                       |                             |
|-----------|----------|-----------------------|-----------------------------|
| Stability | Unstable | <input type="radio"/> | Conditions to Avoid<br>none |
|           | Stable   |                       |                             |

Incompatibility (Materials to Avoid)  
none

Hazardous Decomposition or Byproducts  
CO, CO<sub>2</sub>, NO<sub>x</sub> and H<sub>2</sub>O etc.

|                          |                |                       |                             |
|--------------------------|----------------|-----------------------|-----------------------------|
| Hazardous Polymerization | May Occur      | <input type="radio"/> | Conditions to Avoid<br>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 known

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 washed or dry cleaned after removal of loose film or dust.

Waste Disposal Method

Dispose in an approved incinerator or contract with licensed chemical disposal agency. Ensure conformity with governmental disposal regulations.  
(- Dispose by the same method of ordinary plastic products.)

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)

None required

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

Protective Gloves

None required

Eye Protection

None required

Other Protective Clothing or Equipment

none

Work/Hygienic Practices

none