

**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)  
 Ink film for SAGEM facsimile ---.

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 DAINIPPON PRINTING CO.,LTD.	Emergency Telephone Number 0429-52-9666
Address (Number, Street, City, State, and ZIP Code) 591-2 Kamihirose Higashikubo sayama-shi. Saitama 350-13.	Telephone Number for information 0429-52-9666
Japan.	Date Prepared February,23,1995
	Signature of Preparer (optional)

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OOOSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
1. Polyethylene terephthalate film (51wt%) (25038-59-9)				
2. Coating (49wt%)				
Carbon Black (1333-86-4)	3.5mg/m3	3.5mg/m3	—	17wt%
Ethylene Vinyl Acetate Copolymer (24937-78-8)	—	—	—	6wt%
Ester Wax (8015-86-9)	—	—	—	11wt%
Paraffin Wax (8002-74-2)	—	2mg/m3	—	26wt%
Microcrystalline Wax (63231-60-7)	—	—	—	31wt%
Others				9wt%

**Section III - Physical/Chemical Characteristics**

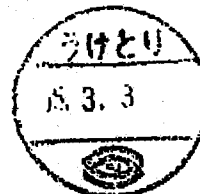
Boiling Point	not applicable	Specific Gravity (H <sub>2</sub> O=1)	about 1.2
Vapor Pressure (mmHg)	not applicable	Melting Point	about 70°C
Vapor Density (AIR=1)	not applicable	Evaporation Rate (Butyl Acetate=1)	Negligible
Solubility in Water c Negligible			
Appearance and Odor Ink is black solid with slight wax odor.			

**Section IV - Fire and Explosion Hazard Data**

Flash Point(Method Used) about 250°C for ink	Flammable Limits not applicable	LEL not applicable	UEL not applicable
Extinguishing Media CO <sub>2</sub> , 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.			

(Reproduce locally)

OSHA 174,Sept. 1985



### Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid none
	Stable	<input checked="" type="radio"/>	

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	<input checked="" type="radio"/>	

### Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? No	Skin? No	Ingestion? possible but very unusual.
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Health Hazards (Acute and Chronic)  
The ingredients are not listed in ACGIH ("86) and OSHA ("89) except carbon black and paraffin wax.

Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
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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  
not applicable

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 No	Special No
	Mechanical (General) No	Other No

Protective Gloves  
None required

Eye Protection  
None required

Other Protective Clothing or Equipment  
none

Work/Hygienic Practices  
none