

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.
 IDENTITY (As Used on Label and List)

PC-91
 PC-95
 PC-101
 PC-301
 PC-302 RF
 PC-304 RF

U.S. Department of Labor PC-202, PC-204
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072
 PC-201/PC-202 RF
 PC-92 RF/94 RF
 PC-102 RF/104 RF

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.

PC-204R
 PC-302R

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 Kamihitose Higashikubo sayama-shi, Saitama 350-13,		Telephone Number for information 0429-52-9666
Japan.	brother We're at your side.	Date Prepared 0429-52-9666
		Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)) %(optional)	OSHA PEL	ACGIH TLV	Other Limits Recommended
Polyethylene terephthalate film (48.6%)			
Coating (51.4%)			
Carbon Black (1333-86-4)	3.5mg/m3	3.5mg/m3	None 16.2%
Ester Wax (8015-86-9)			13.1%
Micro Crystalline Wax (53231-60-7)			18.6%
Praffin Wax (8002-74-2)		2mg/m3	None 35.5%

Section III - Physical/Chemical Characteristics

Boiling Point	n.a.	Specific Gravity (H2O=1)	about 1.2
Vapor Pressure (mmHg)	n.a.	Melting Point	68 °C
Vapor Density (AIR=1)	n.a.	Evaporation Rate (Butyl Acetate=1)	Negligible
Solubility in Water: c Negligible			
Appearance and Odor Ink is black solid with slight acetic acid odor.			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) about 250°C for Ink	Flammable Limits n.a.	LEL n.a.	UEL n.a.
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.			

Stability	Unstable	☐	Conditions to Avoid none
	Stable		
Incompatibility (Materials to Avoid) none			
Hazardous Decomposition or Byproducts CO, CO ₂ , NO _x and H ₂ O etc.			
Hazardous Polymerization	May Occur	☐	Conditions to Avoid none
	Will Not Occur		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? No	Skin? No	Ingestion? possible but very unusual
Health Hazards (Acute and Chronic) All the ingredients are negative mutagenic (Test species: <i>S. typhimurium</i>).			

Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
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Signs and Symptoms of Exposure	none
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Medical Conditions	none
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Emergency and First Aid Procedures	Not applicable
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Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	Not applicable
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Waste Disposal Method	Dispose in an approved incinerator or contract with licensed chemical disposal agency. Ensure conformity with governmental disposal regulations.
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Precautions to Be Taken in Handling and Storing	No special precautions for safety reason.
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Other Precautions	none
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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			