

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 Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No.1218-0072  
PC-202, PC-204  
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 Kamihrose Higashikubo sayama-shi, Saitama 350-13,	Telephone Number for information 0429-52-9666
Japan.  We're at your side.	Date Prepared 0429-52-9666
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identify 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 (63231-60-7)			18.6%
Paraffin 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<sub>2</sub>, NO<sub>x</sub> and H<sub>2</sub>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; *S. typhimurium*).

Carcinogenicity: NTP? No      IARC Monographs? No      OSHA Regulated? No

Signs and Symptoms of Exposure  
none

Medical Conditions  
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.

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