Material Safety Data Sheet U.S. Department of Labor May be used to comply with Occupational Safety and Health Administration OSHA's Hazard Communication Standard, (Non-Mandatory Form) 29 CFR 1910.1200. Standard must be Form Approved consulted for specific requirements. OMB No.1218-0072 IDENTITY(As Used on Label and List) Note: Blank spaces are not permitted. If any item is not applicable, PFPE1074ZA, PFPE1075ZA, KX-FA53, KX-FA53A, or no information is available, the space must be marked to indicate that. KX-FA55, KX-FA55A, KX-FA55D, KX-FA55X Section I Manufacturer's Name **Emergency Telephone Number** DAI NIPPON PRINTING CO.,LTD. +81-42-952-9666 Address: Telephone Number for information 591-2, Kamihirose, Higashikubo, Sayama. +81-42-952-9666 Saitama, 350-1321 Date prepared November 6, 2000 **JAPAN** Signature of Preparer (optional) Aideichire Hideichiro Takeda / Mgr. of Technical Dept. Section II - Hazardous Ingredients/Identity Information Other Limits Hazardous Components (Specific Chemical Identity; Common Name(s)) OSHA PEL ACGIH TLV Recommended %(optional) Polyethylene terephthalate film (CAS No. 25038-59-9) (46~53%) Coating layer substances Carbon Black (CAS No. 1333-86-4) 3.5mg/m3 3.5mg/m3 None 8~11%) Ester Wax (CAS No. 8015-86-9) None 2~6%) Paraffin Wax (CAS No. 8002-74-2) 2.0mg/m3 None (26~34%) Ethylene Vinil Acetete Copolymer (CAS No. 24937-78-8) -None (2~7%)Others None 2~9%) Section III - Physical/Chemical Characteristic **Boiling Point** Not applicable Specific Gravity (H2O=1) About 1.2 Vapor Pressure (mmHg) Not applicable Melting Point 66℃ 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) Flammable Limits LEL UEL About 250°C for ink Not applicable Not applicable Not applicable 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

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Section V - Rea	activity Data	3			
Stability	Unstable		Conditions to Avoid None		
	Stable				
Incompatibility (Materi None	als to Avoid)	=			
Hazardous Decompos CO,CO2,NOX and		ets			
Hazardous Polymerization	May Occur		Conditions to Avoid None		
·	Will Not Occur	0			
Section VI - He	alth Hazard	Data	a		
Route(s) of Entry:		lr	nhalation? No	Skin? No	Ingestion? possible but very unusual.
Health Hazards(Acute		agenic(Test species ;S. typhimu	rium)	
Carcinogenicity:			ITP? No	IARC Monographs? Carbon Black : Group	OSHA Regulated? 2B No
carbon black at levels that black and lung tumors. Mor and tumor development in r Epidemiology studies of wo cancer, even in high expos	induce particle overl reover, a two-year ca ats. rkers in the carbon b sure occupational set ack. "Chronic over ex of Exposure	oad of th ncer bioa lack prod tings, In	e lung. Studles performed in issay using a typical toner pre lucing industries of North Ame addition, in its reevaluation o	animal models other than rats paration containing carbon blace crica and Western Europe do no of carbon black, IARC conclude	erved only in animals exposed to high concentrations of have not demonstrated an association between carbon is demonstrated no association between toner exposure of demonstrate an association between carbon black and d that "there is inadequate evidence in humans for the atory tract irritation and slight changes in lung function.
Emergency and First Aid Procedures					
Not applicable Section VII - Pr	ecautions f	or Sa	afe Handling and	l Use	
Steps to Be Taken in (Rumpling the production is used, motor should be after removal of locuments of the state of the sta	Case Material is Fuct may cause thould be rated as see film or dust. In the method of ordinal state and federal see film or dust.	Release e wax la dust tig linary p eral law	ed or Spilled ayer to peel off. Sweep tht. Wash any residue of lastic products in accord as and regulations. If nec	up or vacuum. When swe ff skin with soap and wa dance with all applicable	eping , avoid raising film or dust. If a vacuum ter. Garments may be wasted or dry cleaned regulations. Any disposal practice must be in ent office and ensure conformity with disposal
Precautions to Be Tak No special precauti			ng.		
Other Precautions None	ons for salety lea	35011.			
Section VIII - Control Measures					
Respiratory Protection		oui es			
Not required Ventilation		No			Special No
		Mecn: No	anical(General)		Other No
Protective Gloves Not required				Eye Protection Not required	
Other Protective Cloth	ing or Equipmen	t	,	1 Hot roquiled	
None Work/Hygienic Practic	es				
None (Reproduce locally)					OSHA174, Sept.1985 November 6, 2000