Material Safety Data	Sneet	U.S. Department of Labor					
May be used to comply wi	th	Occupational Safety and Health Administration					
OSHA's Hazard Commu	nication Standard,	(Non-Mandatory Form)					
29 CFR 1910.1200. Stand	land must be	Form Approved					
consulted for specific requ	irements.	OMB No.1218-0072					
IDENTITY(As Used on La KX-FA65, KX-FA	bel and List) 4135, KX-FA136	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				<u> </u>			
Manufacturer's Name DAI NIPPON PRINTIN	3 CO.,LTD.	Emergency Telephone Number 042-952-9666					
Address: 591-2, Kamihirose, Hi	mehikuha Sauma	Telephone Number for information 042-952-9666 Date prepared APRIL 19, 1999					
Saitama, 350-1321	American Calabratic						
JAPAN		Signature of Preparer		·			
				Takeda			
A			akeda / Mgr. (of Technical Dept.			
Section II - Hazard	lous Ingredients/Identity	Information		 			
Hazardous Components (\$	Specific Chemical Identity; Common Nan	ne(s)) OSHA PEL, ACGIH TLV	Other Lin Recomm				
	film (CAS No. 25038-59-9)	TOTAL MODELLE	i Woodillia	(48~ 53%)			
Ocation laws as between							
Coating layer substances Carbon Black (CAS No.	1333-86-4)	3.5mg/m3 3.5mg/m3	None	(7~10%)			
Ester Wax (CAS No. 80	15-86-9}	4 .	None	(4~7%)			
Paraffin Wax (CAS No.		- 2.0mg/m3	None	(11-14%)			
Microcrystalline Wax (C Others	A3 NO. 03231-00-()		None None	(13~ 16%) (4~ 13%)			
			144.10	(4 104)			
Section III - Hazan	dous Ingredients/Identit	y Information	-				
Boiling Point	Not applicable	Specific Gravity (H2O=1)		About 1.2			
Vapor Pressure (mmHg)	Not applicable	Melting Point		71°C			
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetat	s=1)	Negligible			
Solubility in water Negligible							
Appearance and Odor Ink is black solid with sit	oht acetto acid odor						
	nd Explosion Hazard Da	ta	·				
Flash point (Method Used)		LEL		UEL			
About 250°C for ink . Not applicable		Not applicable		Not applicable			
Extinguishing Media CO2, Water, Dry Chemi		·					
clothing.	. truckload or pallet) involved in a fi	re, firelighters should wear self-conf	ained breathi	ng apparatus and protective			
Unusual Fire and Explosio None	n Hazards						
(Company) on loan this			·	OCUA 474 Card 400E			
(Reproduce locally)	· .j			OSHA 174, Sept. 1985			

Section V - Rea	activity Data	a										
Stability	Unstable		Conditions to Avoid None				 					
	Stable	10				· -		73				
Incompatibility (Materi	Incompatibility (Materials to Avoid)											
Hazardous Decomposition or Syproducts CO,CO2,NOX and H2O etc.												
Hazardous Polymerization	May Occur		Conditions to Avoid None	-	· · · · · · · · · · · · · · · · · · ·							
ruyinalizatidi	Will Not Occur	0	NOIS									
Section VI - Health Hazard Data												
Route(s) of Entry:	·	Ir	nhaistion? No	Skin? No		stion?	(museuel					
No No possible but very unusual. Health Hazards(Acute and Chronic) All the ingredients are negative mutagenic(Test species ;S. typhimurium.)												
Carcinogenicity:	He Hellenke Hari		TP?	IARC Monographs?	USH	A Regulated?		·				
Caronogaranty.			No	Carbon Black : Grou		•						
development of lung tumors carbon black at levels that black and tung tumors. Mor and tumor development in n Epidemiology studies of wo cancer, even in high expos carcinogenicity of carbon bit	a in rata receiving ch induce perticle overl eover, a two-year ca ats. rkers in the carbon b ure occupational set ack. 'Chronic over or	ronic inhe oed of th ncer bios lack prod tings. In	elation exposures to free car e tung. Studies performed in ssay using a typical loner pr tucing industries of North Am addition, in its reevaluation	bon bleck as a group 28 ca bon black. The effects were of a animal models other than rai eperation containing carbon bit erica and Western Europe do r of carbon black, IARC conclus in black dust, may result in resp	pserved only in a lis have not dea ack demonstrate not demonstrate ded that "there i	animals exposed to nonetrated an asso- ad no association to an association be as inadequate evid	p high concentration between to between toner exp tween carbon bia ence in humans i	ions of carbon posure ick and for the				
Signs and Symptoms None	of Exposure											
Medical Conditions Geography Apprayat	ed by Exposite		None	·								
Emergency and First Aid Procedures												
Not applicable Section VII - Pr	ecautions f	or Sa	rfe Handling and	i Use								
Steps to Be Taken in (Case Material is F	(delease	of 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 wasted or dry cleaned after removal of loose film or dust.												
Waste Disposal Metho		San a	lactic need who in secon	wanna with all anninghi	a mor delicera	Amu disposali	ometica must	ha ia				
Dispose by the same method of ordinary plastic products in accordance with all applicable regulations. Any disposal practice must be in compliance with local, state and federal laws and regulations, if necessary, contact government office and ensure conformity with disposal regulations.												
Precautions to Be Tak No special precauti			ng.									
Other Precautions	OIS IOI SELECT THE				-							
None Section VIII - C	antral Mass	HIPOR										
	_	oui co	· · · · · · · · · · · · · · · · · · ·				 					
Respiratory Protection Not required	(obecity type)		•									
Ventilation		Local No	Exhaust		Special No		,					
		Mech	Mechanical(General)		Other	Other						
Protective Gloves		-No	<u> </u>	Eye Protection	No.		<u> </u>					
Not required				Not required								
Other Protective Cloth	iud ou Edmibuueiu	t	-				2					
None Work/Hygienic Practices												
None "			<u></u>		·							
(Reproduce locally)							A174, Sept. 19 Vonii 19, 1999	85				