Material Safety Data Sheet

May be used to comply with

(Reproduce locally)

OSHA's Hazard Communication Standard,

29 CFR 1910.1200. Standard must be

U.S. Department of Labor

Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved

OMB No 1218-0072

consulted for specific requi	rements.	OMB No.1218-0072										
IDENTITY(As Used on Lab	el and List)		Note:Blank spaces are not permitted. If any item is not applicable,									
KX-FA65,KX-FA	1135,KX-FA136	or no information is available indicate that.	or no information is available, the space must be marked to indicate that.									
Section I												
Manufacturer's Name DAI NIPPON PRINTING	G CO.,LTD.	Emergency Telephone Number 042-952-9666										
Address:		Telephone Number for information										
591-2, Kamihirose, Hig	gashikubo, Sayama,	042-952-9666 Date prepared APRIL 19, 1999										
Saitama, 350-1321 JAPAN		Signature of Preparer (optional) **Xideichiro Takeda										
								Hideichiro Takeda / Mg	Hideichiro Takeda / Mgr. of Technical Dept.			
						Section II - Hazard	ous Ingredients/Identity					
		Other I										
	Specific Chemical Identity; Common Nam	e(s)) OSHA PEL ACGIH TLV Recom	mended %(optional) (48~ 53%)									
Polyetnylene terephthalate	film (CAS No. 25038-59-9)		(40-3576)									
Coating layer substances												
Carbon Black (CAS No.		3.5mg/m3 3.5mg/m3 None	(7~ 10%)									
Ester Wax (CAS No. 80		None	(4~ 7%)									
Paraffin Wax (CAS No.		- 2.0mg/m3 None	(11~ 14%)									
Microcrystalline Wax (C Others	AS No. 63231-60-7)	None None	(13~ 16%) (4~ 13%)									
Oulers		Tions	(1 1070)									
Section III - Hazar	dous Ingredients/Identity	/ Information										
Boiling Point	Not applicable	Specific Gravity (H2O=1)	About 1.2									
Vapor Pressure (mmHg)	Not applicable	Melting Point	71℃									
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate=1)	Negligible									
Solubility in water Negligible												
Appearance and Odor Ink is black solid with sl	ight acetic acid odor.											
Section IV - Fire a	nd Explosion Hazard Dat	ta										
Flash point (Method Used) Flammable Limits About 250°C for ink Not applicable		LEL Not applicable	UEL Not applicable									
Extinguishing Media CO2, Water, Dry Chem												
clothing.	e. truckload or pallet) involved in a fir	re, firefighters should wear self-contained brea	athing apparatus and protective									
Unusual Fire and Explosion None	n Hazards	<u>-</u>										

Section V - Rea	activity Data	ì							
Stability	Unstable		Conditions to Avoid None						
	Stable								
Incompatibility (Materi None					. <u> </u>				
Hazardous Decompos		ts							
Hazardous Polymerization	May Occur		Conditions to Avoid None						
r orymonization	Will Not Occur	10							
Section VI - Health Hazard Data									
Route(s) of Entry:		lr	nhalation? No	Skin? No	Ingestion?	very unusual.			
Health Hazards(Acute		agenic(Test species ;S. typhimu						
Carcinogenicity:	are megative man		ITP?	IARC Monographs?	OSHA Regulate	d?			
0			No	Carbon Black : Group					
development of lung tumor carbon black at levels that black and lung tumors. Mor and tumor development in r Epidemiology studies of wo cancer, even in high expos	s in rats receiving chr induce particle overlor reover, a two-year car rats. orkers in the carbon bl sure occupational sett lack. "Chronic over ex	onic inhational of the control of th	alation exposures to free carb le lung. Studies performed in assay using a typical toner pre- ducing industries of North Ame addition, in its reevaluation of	son black as a group 2B card on black. The effects were obstained models other than rats operation containing carbon black frica and Western Europe do not of carbon black, IARC conclude on black dust, may result in respi	erved only in animals exportance have not demonstrated an k demonstrated no associal t demonstrate an association d that "there is inadequate	sed to high concentrations of association between carbon ition between toner exposure on between carbon black and evidence in humans for the			
Medical Conditions	ted by Exposure		None						
Generally Aggravated by Exposure None Emergency and First Aid Procedures Not applicable									
	recautions f	or Sa	afe Handling and	l Use					
Steps to Be Taken in (Rumpling the production is used, motor should be after removal of loc Waste Disposal Methor	Case Material is F uct may cause the ould be rated as o ose film or dust. od	Release e wax l dust tig	ed or Spilled ayer to peel off. Sweep ght. Wash any residue o	up or vacuum. When swe ff skin with soap and wa	ter. Garments may be	wasted or dry cleaned			
compliance with loc regulations.	cal, state and fede	eral law	vs and regulations. If neo	dance with all applicable cessary, contact governm					
Precautions to Be Tak No special precauti			ing.						
Other Precautions None		·							
Section VIII - Control Measures									
Respiratory Protection				•					
Ventilation		Local	Exhaust		Special				
	No			No					
		Mech No	anical(General)		Other No				
Protective Gloves		INC	<u> </u>	Eye Protection	NO				
Not required				Not required					
Other Protective Cloth None	ning or Equipment								
Work/Hygienic Practic	es			***************************************					
None (Reproduce locally)					(DSHA174, Sept.1985			
						April 19, 1999			