## 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, or no information is available, the space must be marked to DC3-600-001 indicate that. YELLOW RIBBON-350M Section I Manufacturer's Name **Emergency Telephone Number** DAI NIPPON PRINTING CO.,LTD. 04-2952-9666 Telephone Number for information Address: 04-2952-9666 2-5-1, Hirosedai, Sayama, Date prepared December 9, 2011 Saitama, 350-1328 **JAPAN** Signature of Preparer (optional) 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) $(78 \sim 86\%)$ Coating layer substances (2~5%)Pigment Yellow 120(Trade secret) Pigment Yellow 180(Trade secret) (2~5%)(5~10%) Synthetic resin (Trade secret) (1~4%)Others Section III – Physical / Chemical Characteristic **Boiling Point** Not applicable Specific Gravity (H2O=1) About 1.2 Vapor Pressure (mmHg) Not applicable Melting Point Not applicable Negligible Vapor Density (AIR = 1) Not applicable Evaporation Rate (Butyl Acetate=1) Solubility in water Negligible Appearance and Odor Ink is green solid with slight odor. Section IV - Fire and Explosion Hazard Data UEL Flash point (Method Used) Flammable Limits LEL Not applicable 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

Stability	Unstable	a	Conditions to Avoi	d		
Stability	Unstable		None	<b>u</b>		
	Stable	0	1,0,10		- A	
7	ala ta Arraid)					
Incompatibility (Materi Strong acids and st		aent				
Hazardous Decompos						
CO,CO2,NOX and		Clo				
Hazardous	May Occur		Conditions to Avoi	d		
Polymerization			None			
	Will Not Occur	0				
Section VI - He	alth Hazard	d Data	a			
Route(s) of Entry:	aitii iidzai (		nhalation?	Skin?	Ingestion?	
rtodic(s) of Entry.			No	No	possible but very unusual.	
Health Hazards(Acute	and Chronic)				<del>-</del>	
		agenic(	Test species ;S. typh	nimurium )		
Carcinogenicity:		١	ITP?	IARC Monographs?	OSHA Regulated?	
			No	No	No	
Signs and Symptoms None	of Exposure					
Medical Conditions						
Generally Aggravat	ed by Exposure		None			
Emergency and First A Not applicable	Aid Procedures					
Section VII - Pr	recautions	for Sa	afe Handling a	and Use		
Steps to Be Taken in 0	Case Material is	Release	ed or Spilled			
Not applicable						
Waste Disposal Metho	od 	المامان	lastia producta in a	naardanaa wiith all annliaah	le regulatione. Any disposal practice must be in	
Dispose by the sar	ne method of or	dinary p	lastic products in at	cordance with all applicable forcessary contact dovern	le regulations. Any disposal practice must be in Iment office and ensure conformity with disposa	
regulations.	ai, state and led	iciai iaw	vs and regulations. I	i necessary, contact govern	mion office and ensure comornity was disposed	
Precautions to Be Tak	en in Handling a	nd Stori	ina.			
No special precauti	•		9.			
Other Precautions						
None						
Section VIII - C	ontrol Mea	sures	3			
Respiratory Protection Not required	(Specify Type)					
Ventilation			I Exhaust		Special	
		No			No	
			anical(General)		Other	
		No	)	For Destrotion	No	
Protective Gloves Not required  Eye Protection Not required						
Other Protective Cloth	ing or Equipmer	nt				
None						
Work/Hygienic Practic	es					
None						
					00114 474 0 11 4005	
(Reproduce locally)					OSHA 174, Sept. 1985	

## Material Safety Data Sheet U.S. Department of Labor Occupational Safety and Health Administration May be used to comply with (Non-Mandatory Form) OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be Form Approved consulted for specific requirements. OMB No.1218-0072 Note: Blank spaces are not permitted. If any item is not applicable, IDENTITY(As Used on Label and List) or no information is available, the space must be marked to DC3-601-001 indicate that. **MAGENTA RIBBON-350M** Section I Manufacturer's Name **Emergency Telephone Number** DAI NIPPON PRINTING CO.,LTD 04-2952-9666 Telephone Number for information Address: 04-2952-9666 2-5-1, Hirosedai, Sayama, December 9, 2011 Date prepared Saitama, 350-1328 **JAPAN** Signature of Preparer (optional) 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) $(78 \sim 86\%)$ Coating layer substances (3~6%)Pigment Red (Trade secret) Pigment Violet(Trade secret) (3~6%)(7~11%)Synthetic resin (Trade secret) (1~4%)Others Section III – Physical / Chemical Characteristic **Boiling Point** Not applicable Specific Gravity (H2O=1) About 1.2 Melting Point Not applicable Vapor Pressure (mmHg) Not applicable Negligible Evaporation Rate (Butyl Acetate=1) Vapor Density (AIR = 1) Not applicable Solubility in water Negligible Appearance and Odor Ink is red solid with slight odor. Section IV - Fire and Explosion Hazard Data LEL UEL Flash point (Method Used) Flammable Limits Not applicable 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

Section V - R	eactivity Data	l			
Stability	Unstable		Conditions to Avoid		
	Stable		None		
	Stable	0			
Incompatibility (Mat					
	I strong oxidizing ag				
CO,CO2,NOX ar	position or Byproduc and H2O etc.	ıs			
Hazardous Polymerization	May Occur		Conditions to Avoid None		
	Will Not Occur	0			
Section VI - H	lealth Hazard	Data			
Route(s) of Entry:		In	halation?	Skin?	Ingestion?
			No	No	possible but very unusual.
Health Hazards(Acu		aonio/	Foot aposics : C. typkimy	rium \	
Carcinogenicity:	s are negative muta		rest species ;S. typhimu TP?	IARC Monographs?	OSHA Regulated?
Gardinogemory.			No	No	No
Signs and Symptom	ne of Evnosure				
None	is of Exposure				
Medical Conditions					
	vated by Exposure		None		
Emergency and Fire Not applicable	st Ald Procedures				
	Precautions for	or Sa	fe Handling and	d Use	
Steps to Be Taken in Not applicable	n Case Material is R	elease	d or Spilled	4	
Waste Disposal Met	thod			1 90 H .P 61	and the same discount working as and beginning
Dispose by the s compliance with regulations.	same method of ordi local, state and fede	nary p ral law	astic products in accors and regulations. If ne	dance with all applicable cessary, contact governi	e regulations. Any disposal practice must be in ment office and ensure conformity with disposal
Precautions to Be T	aken in Handling an	d Storii	ng.		
	utions for safety rea	son.			
Other Precautions None					
	Control Meas	ures			
Respiratory Protecti Not required		u. 00			
Ventilation			Exhaust		Special
	No				No
		Mecha	anical(General)		Other No
Protective Gloves Not required		,,,,	<u>, , , , , , , , , , , , , , , , , , , </u>	Eye Protection Not required	
Other Protective Clo	othing or Equipment			automocalle program	
Work/Hygienic Prac	tices				
None					1
					00118/474 01 4005
(Reproduce locally)					OSHA 174, Sept. 1985

Material Safety Data S	Sheet	U.S	U.S. Department of Labor					
May be used to comply wit	h	Occu	Occupational Safety and Health Administration					
OSHA's Hazard Commur	ication Standard,	(Non	Non-Mandatory Form)					
29 CFR 1910.1200. Stand	ard must be	Form	orm Approved					
consulted for specific requi	rements.	OMB	No.1218-007	2				
DC3-602-001	,		or r				em is not applicable e must be marked to	
CYAN RIBBON-350 Section I	ONT							
Manufacturer's Name DAI NIPPON PRINTING	G CO. LTD		Emergency 04-2952-9	Telephone Num	ber			
Address: 2-5-1, Hirosedai, Saya		=		umber for infor	mation			
Saitama, 350-1328	ma,		Date prepa	ared Dece	ember 9, 20	11	la la	
JAPAN			Signature	of Preparer (	optional)			
Section II - Hazard	ous Ingredients/Identity	y Infoi	mation					
Hazardous Components (S Polyethylene terephthalate	pecific Chemical Identity; Common Na film (CAS No. 25038-59-9)	me(s))	OSHA PEL	ACGIH TLV	Other Limi Recomme		%(optional) (78~86%)	
Coating layer substances								
Pigment Blue(Trade sec	ret)		7.5	<del>inte</del> s	•••		(5~7%)	
Synthetic resin (Trade s Others	ecret)			***			(7~11%) (2~6%)	
15.455.00	cal / Chemical Characte		· · · · · · · · · · · · · · · · · · ·	(100-4)		A b	4.0	
Boiling Point	Not applicable		ecific Gravity	(H2O=1)		About		
Vapor Pressure (mmHg)	Not applicable		Melting Point			·	plicable	
Vapor Density (AIR = 1)	Not applicable	Ev	Evaporation Rate (Butyl Acetate=1) Negligible					
Solubility in water Negligible								
Appearance and Odor Ink is blue solid .		_						
	nd Explosion Hazard Da	ata	- 1.5			uci		
Flash point (Method Used) Not applicable Extinguishing Media	Flammable Limits Not applicable		LEL Not	applicable		UEL Not	applicable	
CO2, Water, Dry Chemic Special Fire fighting Proced For large quantities (i.e. clothing. Unusual Fire and Explosion None	lures truckload or pallet) involved in a f	īre, firefi	ghters should	wear self-conta	ained breathin	g appai	ratus and protective	

Section V - Re	Unstable		Conditions to Avoid			
			None			
	Stable	0				
Incompatibility (Mater	rials to Avoid)					
	strong oxidizing ag					
Hazardous Decompo CO,CO2,NOX and		ts				
Hazardous Polymerization	May Occur		Conditions to Avoid None			
	Will Not Occur	0				
Section VI - Ho	ealth Hazard	Data				
Route(s) of Entry:		Inh	nalation?	Skin?	Ingestion?	
			No	No	possible but very unusual.	
Health Hazards(Acute		een!=/T	nat angeles (C. t	relians V		
	are negative muta		est species ;S. typhimi P?	IARC Monographs?	OSHA Regulated?	
Carcinogenicity:			No.	No No	No No	
			17	110		
Signs and Symptoms	of Exposure					
None						
Medical Conditions	stad by Evacuus		None			
Generally Aggrava Emergency and First			None			
Not applicable	Ald Flocedules					
Section VII - P	recautions for	or Saf	fe Handling an	d Use		
Steps to Be Taken in Not applicable	Case Material is R	Released	l or Spilled			
Waste Disposal Meth						
Dispose by the sa compliance with lo regulations.	ime method of ordi ocal, state and fede	inary pla eral laws	astic products in accordance i	dance with all applicable cessary, contact governing	e regulations. Any disposal practice must be ment office and ensure conformity with dispos	
Precautions to Be Tal	ken in Handling an	d Storin	a.			
	tions for safety rea		3.			
Other Precautions						
None						
Section VIII - C		ures				
Respiratory Protectio Not required	n (Specify Type)					
Ventilation			Exhaust		Special	
	No Mechanical(General)				No Other	
		No	mical(General)		No	
Protective Gloves Not required				Eye Protection Not required		
Other Protective Clot	hing or Equipment			Hottoquilou		
None						
Work/Hygienic Praction	ces					
None						
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## Material Safety Data Sheet U.S. Department of Labor Occupational Safety and Health Administration May be used to comply with OSHA's Hazard Communication Standard, (Non-Mandatory Form) Form Approved 29 CFR 1910.1200. Standard must be consulted for specific requirements. OMB No.1218-0072 Note: Blank spaces are not permitted. If any item is not applicable, IDENTITY(As Used on Label and List) or no information is available, the space must be marked to DC3-604-001 indicate that. **RED RIBBON-350M** Section I Manufacturer's Name **Emergency Telephone Number** 04-2952-9666 DAI NIPPON PRINTING CO.,LTD. Telephone Number for information Address: 04-2952-9666 2-5-1, Hirosedai, Sayama, December 9, 2011 Date prepared Saitama, 350-1328 **JAPAN** Signature of Preparer (optional) 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) $(78 \sim 86\%)$ Coating layer substances Pigment Red (Trade secret) (4~7%)Pigment Violet(Trade secret) (2~4%)(7~11%)Synthetic resin (Trade secret) (1~4%)Others Section III – Physical / Chemical Characteristic **Boiling Point** Not applicable Specific Gravity (H2O=1) About 1.2 Melting Point Not applicable Vapor Pressure (mmHg) Not applicable Evaporation Rate (Butyl Acetate=1) Negligible Vapor Density (AIR = 1) Not applicable Solubility in water Negligible Appearance and Odor Ink is red solid with slight odor. Section IV - Fire and Explosion Hazard Data LEL UEL Flash point (Method Used) Flammable Limits Not applicable 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

Section V - Re	activity Data	l			
Stability	Unstable		Conditions to Avoid		
	Ctable		None		
	Stable	0			
Incompatibility (Mater					
Strong acids and s Hazardous Decompo					
CO,CO2,NOX and		.5			
Hazardous Polymerization	May Occur		Conditions to Avoid None		
	Will Not Occur	0			
Section VI - He	ealth Hazard	Data	3		
Route(s) of Entry:		lr	nhalation?	Skin?	Ingestion?
S			No	No	possible but very unusual.
Health Hazards(Acute		aonio/	Tost species : S. typhim	ırium \	
Carcinogenicity:	are negative muta		Test species ;S. typhimu ITP?	IARC Monographs?	OSHA Regulated?
Carolinogemony.			No	No	No
Signs and Symptoms None	of Exposure				
Medical Conditions					
Generally Aggrava			None		
Emergency and First Not applicable	Aid Procedures				
	recautions fo	or Sa	afe Handling and	d Use	
Steps to Be Taken in Not applicable					
Waste Disposal Meth					
Dispose by the sa compliance with lo regulations.	me method of ordi cal, state and fede	nary p ral law	lastic products in accor is and regulations. If ne	dance with all applicabl cessary, contact govern	e regulations. Any disposal practice must be in ment office and ensure conformity with disposal
Precautions to Be Tal			ng.		
No special precaut	tions for safety reas	son.			
Other Precautions None					
Section VIII - C	Control Meas	ures			
Respiratory Protection	n (Specify Type)				
Ventilation			Exhaust		Special
	-	No	anical(General)		No Other
		No			No
Protective Gloves Not required				Eye Protection Not required	
Other Protective Cloth	ning or Equipment				
None Work/Hygienic Practic	ces				
None					
(Reproduce locally)					OSHA 174,Sept. 1985

Material Safety Data S	Sheet	.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	lard must be	Form Approved	rm Approved				
consulted for specific requ	irements.	OMB No.1218-0072					
IDENTITY(As Used on La	bel and List)		ermitted. If any item is not applicable,				
DC3-608-001		or no information is av	vailable, the space must be marked to				
WHITE RIBBON-3	50M						
Section I							
Manufacturer's Name DAI NIPPON PRINTING	G CO LTD	Emergency Telephone Number 04-2952-9666					
Address:	0 00,111	Telephone Number for informat	ion				
2-5-1, Hirosedai, Saya	ama,	04-2952-9666	har 0 2011				
Saitama, 350-1328 JAPAN			ber 9, 2011				
57 11 7 11 1		Signature of Preparer (opt	ional)				
Section II - Hazard	dous Ingredients/Identity I	nformation					
170 × 660 W 20	8 1870 SO #1 9000 This 1884 VSCI		Other Limits				
	Specific Chemical Identity; Common Name( e film (CAS No. 25038-59-9)	s)) OSHA PEL ACGIH TLV	Recommended %(optional) (72~82%)				
Polyetilylene terephinalate	: IIIII (CAS No. 20036-39-9)		(12 0210)				
Coating layer substances			(10 170)				
Inorganic Pigment(Trade s Synthetic resin (Trade s		(	(12~17%) (4~9%)				
Others	eciel)	****: ****	(2~6%)				
Section III - Physi	ical / Chemical Characteri	etic					
Boiling Point	Not applicable	Specific Gravity (H2O=1)	About 1.2				
Vapor Pressure (mmHg)	Not applicable	Melting Point	Not applicable				
		TOTAL STATE OF THE	1				
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate=1)	) Negligible				
Solubility in water  Negligible							
Appearance and Odor							
	nd Explosion Hazard Data						
Flash point (Method Used)	Flammable Limits	LEL	UEL				
Not applicable	Not applicable	Not applicable	Not applicable				
Extinguishing Media CO2, Water, Dry Chemi	icals, Foam						
Special Fire fighting Proce	dures						
For large quantities (i.e clothing.	e. truckload or pallet) involved in a fire,	firefighters should wear self-containe	d breathing apparatus and protective				
Unusual Fire and Explosio	n Hazards						
None							
			and the second s				

Section V - R	eactivity Data	l				
Stability	Unstable	Conditions to Avoid				
	Stable		None			
	Stable	0				
Incompatibility (Mate						
	strong oxidizing age					
Hazardous Decomp		ıs				
Hazardous Polymerization	May Occur		Conditions to Avoid None			
	Will Not Occur	0				
Section VI - H	lealth Hazard	Data				
Route(s) of Entry:		Inh	nalation?	Skin?	Ingestion?	
			No	No	possible but very unusual.	
Health Hazards(Acu		genic/Ta	est species ;S. typhim	nurium )		
Carcinogenicity:	s are negative muta		P?	IARC Monographs?	OSHA Regulated?	
our on rogomony.			No	No	No	
Signs and Symptom	e of Evnoeure					
None	is of Exposure					
Medical Conditions						
	ated by Exposure		None			
Emergency and Firs Not applicable	t Aid Procedures					
	Precautions for	or Saf	fe Handling an	d Use		
Steps to Be Taken in Not applicable		eleased	l or Spilled			
Waste Disposal Met	hod		P d. ala la comp	المحالمة المحالة المالية	Is assulations. Any disposal practice must be in	
Dispose by the s compliance with I regulations.	ame method of ordi ocal, state and fede	nary pia eral laws	astic products in accounts and regulations. If ne	ecessary, contact govern	le regulations. Any disposal practice must be in ment office and ensure conformity with disposa	
Precautions to Be Ta	aken in Handling and	d Storin	g.			
	utions for safety reas	son.				
Other Precautions None						
Section VIII -	Control Meas	ures				
Respiratory Protection						
Ventilation			xhaust		Special	
		No			No	
		Mechai No	nical(General)		Other No	
Protective Gloves Not required	( <u> </u>	110		Eye Protection Not required	0 27	
Other Protective Clo	thing or Equipment			Hotrogunou	T.	
None						
Work/Hygienic Pract	tices					
NUILE						
(Reproduce locally)					OSHA 174,Sept. 1985	