## Material Safety Data Sheet

	TECHNOLOGY AND DEVELOPMENT
	TOPPAN PRINTING CO., LTD. ADVANCED PRODUCT DIVISION.
SECTION I	
Product Name	Chemical Name and Synonims
CMYW Ribbon	Compound
Emergency phones No.	
+ 81 - 3 - 3835 - 5188	
SECTION II HAZARDOUS INGRE	DIENTS/IDENTITY INFORMATION
Hazardous Components	
INGREDIENTS	
CHEMICAL NAMES	CAS No. %
Polyethylene Terephthalate	[25038-59-9] 95
Pigment	[ ——— ] 3~45
Carbon Black	[ ] 5~15
Copper	[ <del></del> ] 1~15
Titanium	[13463-67-7] 30~40
SECTION III PHYSICAL/CHEMIC	
Boiling Point N.A.	Specific Gravity(water 1)
Vapor Pressure (mm Hg)	Softening Point
N.A.	65°C
Vapor Density (Air 1)	Evaporation Rate (Butyl Acetate 1)
N.A. Solubility in Water	N.A.
Less than 0.1%	
Appearance and Odor	
Yellow/Magenta/Cyan/White/Bla	ack Film , Practically Odorless
	<u></u>
SECTION IV FIRE AND EXPLOSI	ON HAZARD DATA
Flash Point (Method Used)	Flammaable Limits
N.A.	N.A.
Extinguish Media	
Water , CO₂ , Form	, Dry Chemical
Special Fire Fighting Procedures	<del></del>
None	
Unusual Fire And Explosion Hazards	
None	
	N.A.=Not Applicable

Signature

DATE 05/29/2001

SECTION V	REACTIVITY DA	TA
Stability	Unstable	Condition To Avoid
	Stable	
It and the Char	<u> </u>	Stable under Normal Conditions
Incompatibility (Ma	terial To Avoid)	Al
Hazardous Docome	position or Byproduct	None
nazardous Decomp	position or Byproduct	
Hazardous	May occur	None in normal handling and use Condition to avoid
Polymerization	inay occur	Ochdition to avoid
_	Will not occur	
CECTION 37		D DATA
SECTION VI	HEALTH HAZAR	D DATA
Primary routes of a	entry Inhalatio	on □ Skin □ Other(Specify)
Health Hazards(Ac		on  Skin  Other(Specify)
Trouter (Table 400) 10	ato and officially	No Data
Carcinogenicity	·	No Data
	Polyester Resin	Inadequate Evidence
	Pigment Resin	Inadequate Evidence
	Carbon Black	Inadequate Evidence
	Copper	Inadequate Evidence
	оорры.	madoquato Evidende
		<del></del>
Irritant:	Skin No	Eye No Inhalation No
SECTION VII	Propositions Ess	Sofo Handling And I Inc
	in case materials rele	Safe Handling And Use
otops to be taken	in case materials rele	N.A.
Waste Disposal Me	thod	IV.Z.
		rith local and federal regulation
Precautions to be	taken in handling and	
	_	None
Other Precautions		
	Store in a Cool,	Dry Place
	CONTROL MEAS	SURES
Respiratory Protec	tion (Specify Type)	
Ventilation	10	Not Required
ventilation	Local Exhaust	Special
	Not Require Mechanical (General	
	Not Require	·
Protective Gloves	I Not Nequire	Not Required Eye Protection
	Not Require	1 *
Other Protective C	lothing Or Equipment	
		Not Required
Work/Hygienic Pra	ctices	. res residences
·		Not Required
		N.A.=Not Applicable