

MATERIAL SAFETY DATA SHEET

DAI NIPPON PRINTING CO.,LTD.

IDENTITY (As Used on Label and List)

EX-F.3BP(HPR)IMSA

SECTION 1

Manufacture's Name : DAI NIPPON PRINTING CO., LTD.

Address : 642-8 Ugaki Mitsu-cho Mitsu-gun Okayama,709-2121 JAPAN

Telephone Number for Information : 0867-24-3814

Emergency Telephone Number : 0867-24-3814

Data Prepared : Nov. 12/ 2004

Signature of Preparer (optional) : *Nasto Satake*

SECTION 2 -Hazardous Ingredient / Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(S))	CAS No.	OSHA PEL	Other Limits Recommended	%
Carbon Black	1333-86-4	3.5mg/m ³	—	0.5%

Non-Hazardous Components (more than 1%)	CAS No.	%
Polyethylene-terephthalate	25038-59-9	51.7
Acrylonitrile-butadiene-styrene copolymer	9003-56-9	31.0
Polyisocyanate	9046-75-7	3.3
Polyvinyl-alkylacetal	70775-95-0	2.6
Polymethylmethacrylate	9011-14-7	1.9
Vinyl-acetate-chloride-copolymer	9003-22-9	1.4
Acrylic-copolymer	27341-67-9	1.2
Slipping agent	39464-66-9	1.1
Polyvinyl-alcohol	9002-89-5	1.0
Dye	-	1.6

SECTION 3 -Physical / Chemical Characteristics

Boiling Point :	NA	Specific Gravity(H ₂ O=1) :	NA
Vapor Pressure(mmHg) :	NA	Melting Point :	NA
Vapor Density(AIR=1) :	NA	Evaporation Rate : (Butyl Acetate=1)	NA

Solubility in Water : Insoluble (>1mg/1)

Appearance and odor : Ribbon : 5 Colors , odorless

SECTION 4

-Fire and Explosion Hazard Data

Flash Point : NA Flammable Limits : NA
 Extinguishing Media : CO₂ , water
 Special Fire Fighting Procedures : None
 Unusual Fire or Explosion Hazards : None

SECTION 5

-Reactivity Data

Stability	Unstable		Condition to Avoid : None
	Stable	*	
Incompatibility (Material to Avoid) : None			
Hazardous Decomposition or Byproducts : CO , CO ₂ and NO _x			
Hazardous Polymerization	May Occur		Condition to Avoid : None
	Will Not Occur	*	

SECTION 6

-Health Hazard Data

Route(s) of Entry : Skin
 Health Hazards (Acute and Chronic) : No specific hazards under normal conditions.
 Carcinogenicity : Each of dyestuffs is negative for bacterial mutagenicity test.
 Signs and Symptoms of Exposure : None
 Medical Condition Generally Aggravated by Exposure : None
 Emergency and First Aid Procedures : Wash with soap and water.

SECTION 7**-Precautions for Safe Handling and Use**

Steps to Be Taken in case Material is Released or Spilled : NA

Waste Disposal Method : Place in a suitable container for disposal
in accordance with corresponding laws.
(Follow all federal, state and local regulations in your country.)

Precaution to Be Taken in Handling and Storing : No special precautions

Other Precautions : None

SECTION 8**-Control Measures**

Respiratory Protection : Not required

Ventilations	Local Exhaust : Not required	Special : Not required
	Mechanical : Not required	Other : Not required

Protective Gloves : Not required

Eye Protection : Not required

Other Protective Clothing or Equipment : Not required

Work / Hygienic Practices : Not required

NA : Not Available

NE : Not Established