

# MURATEC MODEL F-65

**Material Safety Data Sheet**  
 May be used to comply with  
**OSHA's Hazard Communication Standard**  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements

**U.S. Department of Labor**  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

**IDENTITY (As Used on Label and List)**  
 PF155 Inkfilm

## Section I

Manufacturer's Name DAINIPPON PRINTING CO. LTD.	Emergency Telephone Number 0429-52-9885
Address (Number, Street, City, State, and ZIP Code) 591-2 Kamihurose Higashikubo sayama-shi Saitama 350-13	Telephone Number for Information 0429-52-9666
	Date Prepared
	Signature of Preparer (optional)

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other limits Recommended	% (optional)
1. Polyethylene terephthalate film				
2. Coating (48.9%)	3.5mg/m3	3.5mg/m3	---	17%
Carbon Black (1333-88-4)	---	---	---	11%
Ester Wax (8015-86-9)	---	---	---	11%
Paraffin Wax (8002-74-2)	---	2mg/m3	---	55%
Microcrystalline Wax (63231-60-7)	---	---	---	1%

## Section III - Physical/Chemical Characteristics

Boiling Point	N.A.	Specific Gravity (H <sub>2</sub> O - 1)	1.2
Vapor Pressure (mm Hg)	N.A.	Melting Point	70° C
Vapor Density (AIR - 1)	N.A.	Evaporation Rate	Butyl Acetate
Solubility in Water	NEGLIGIBLE		
Appearance and Odor	Ink is black solid with slight acetic acid color		

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	About 250°C for ink	Flammable Limits	N.A.	LEL	N.A.	UEL	N.A.
Extinguishing Media	WATER; DRY CHEMICALS; CO <sub>2</sub> ; 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						

(Reproduce locally)

OSHA 174, Sept. 1985

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<b>Section V - Reactivity Data</b>			
Stability	Unstable		Conditions to Avoid NONE
	Stable	XX	
Incompatibility (Materials to Avoid) NONE			
Hazardous Decomposition or Byproducts CO; CO2; NOX and H2O etc>			
Hazardous Polymerization	May Occur		Conditions to Avoid NONE
	Will Not Occur	XX	
<b>Section VI - Health Hazard Data</b>			
Routes of Entry: Inhalation? NO Skin? NO Ingestion? Possible, but very unusual			
Health Hazards (Acute and Chronic) All the ingredients are negative mutagenic (Test species: S. typhimurium)			
Carcinogenicity: NTP? NO IARC Monographs? NO OSHA Regulated NO			
Signs and Symptoms of Exposure: NONE			
Medical Conditions Generally Aggravated by Exposure NONE			
Emergency and First Aid Procedures NOT APPLICABLE			
<b>Section VII - Precautions for Safe Handling and Use</b>			
Steps to be Taken in Case Material is Released or Spilled Not Applicable			
Waste Disposal Method Dispose in an approved incinerator or contract with licensed chemical disposal agency. Ensure conformity with governmental disposal regulations. (Dispose by the same method as ordinary plastic products.			
Precautions to be Taken in Handling and Storing No special precautions for safety reasons.			
Other Precautions NONE			
<b>Section VIII - Control Measures</b>			
Respiratory Protection (Specify Type) NONE REQUIRED			
Ventilation	Local Exhaust	NO	Special NO
	Mechanical (General)	NO	Other NO
Protective Gloves	NONE REQUIRED		Eye Protection NONE REQUIRED
Other Protective Clothing or Equipment NONE			
Work/Hygenic Practices NONE			