

Product name : Ink film

 Issue Date : **2002.01.11**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Ink film
 Used for : M3500/M3700 Reorder No. : PF10A
 Company name : Murata Machinery, Ltd.
 Address : 136, Takeda-Mukaishiro-cho, Fushimi-ku, Kyoto, Japan 612-8686
 Contact point : Murata Machinery, Ltd. (Customer Satisfaction Center Communication Equipment Division)
 : Telephone +81-75-662-7735 / Facsimile +81-75-672-5046

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Nature : Preparation

Chemical Name	Ingredients(% by wt.)	CAS Registry No.	Note
Polyethylene terephthalate film	48~52	25038-59-9	
Carbon Black	7~10	1333-86-4	ACGIH-TLV(USA) : 3.5 mg/m ³ IARC Monographs : Group 2B
Microcrystalline Wax	13~16	63231-60-7	
Paraffin Wax	11~14	8002-74-2	ACGIH-TLV: 2 mg/m ³
Ester Wax	4~7	8015-86-9	
Others	4~13	+++	

+++ : Supplier's confidential information

3. HAZARDS IDENTIFICATION

Physical and Chemical Hazards : It is combustibles, and if there is a source of ignition, it will burn.
 Adverse Human Health Effects : Polyethylene terephthalate film
 (Possible generation of toxic gas such as carbon monoxide in case of fire.)
 Specific Hazards : There are no significant hazards associated with this product.

4. FIRST-AID MEASURES

Inhalation : Not Applicable.
 Skin contact : Wash with soap and water.
 Eye contact : Flush with a large amount of water for at least 15 minutes. Seek medical advice.
 Ingestion : Rinse mouth with water. Give several glasses of water to drink. Seek medical advice.

5. FIRE-FIGHTING MEASURES

Special Firefighting Procedures : Use extinguishing media.
 When in a machine, treat as an electrical fire.
 Extinguishing media : Foam, Dry chemical, carbon dioxide gas

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11. TOXICOLOGICAL INFORMATION

Irritation	Skin (rabbit)	:	Not available	Eye(rabbit)	:	Not available
Sensitization	Skin(guinea-pig)	:	Not available			
Acute Toxicity	Ingestion LD50(rat)	:	>2.0 g/kg ¹⁾			(practically non-toxic)
	Skin LD50(rabbit)	:	Not available			
	Inhalation LC50(rat)	:	Not available			
Chronic Toxicity		:	Not available			
Carcinogenicity		:	Carbon Black is classified as "Group 2B(possibly carcinogenic to humans)" by IARC. All other ingredients are not classified as "Carcinogens" ^{ref.1}			
Mutagenicity	Ames Test	:	Negative ¹⁾			

1) This information is based on data of similar materials.

12. ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment.

13. DISPOSAL CONSIDERATION

Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

Transport in accordance with federal, state and local regulations.

UN Hazard Class : Not confiremed UN Number : Not confiremed

15. REGULATORY INFORMATION

Ensure this product in compliance with federal requirements and ensure deformity to local regulations.

16. OTHER INFORMATION

The above mentioned data correspond to our present state of knowledge and experience, but no warranty is made. Users should consider these data only as a supplement to other information and must make independent determination of the suitability and completeness of information from all sources to ensure proper use and disposal of the materials and safety and health of employees and customers.

Reference

- 1:IARC Monographs on the Evaluation Carcinogenic Risks to Humans(International Agency for Research on Cancer)
 - National Toxicology Program(NTP) Report on Carcinogens
 - Journal of Occupational Health(Japan Society for Occupational Health)
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