

ALL M TAPES

Material Safety Data Sheet

(This Form is similar to U.S. Labor Dept. Form Approved OMB No. 1218-0072)

SECTION I

Product Name Metallic Color Direct Thermal Film	Chemical Name And Synonyms
Product Class Direct Thermal Film	Emergency Phone No. 03-3817-2816

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components			
INGREDIENTS			
CHEMICAL NAMES	CAS No.	%	
Carbon black [—]		3.0	Vinyl chloride- [25086-48-0] 3.0
PMMA [25135-39-1]		2.0	- vinylacetate-
Polyester Resin[26353-05-9]		8.0	copolymer
Basefilm PET Film[—]		82.0	Zinc stearate [557-05-1] 2.0

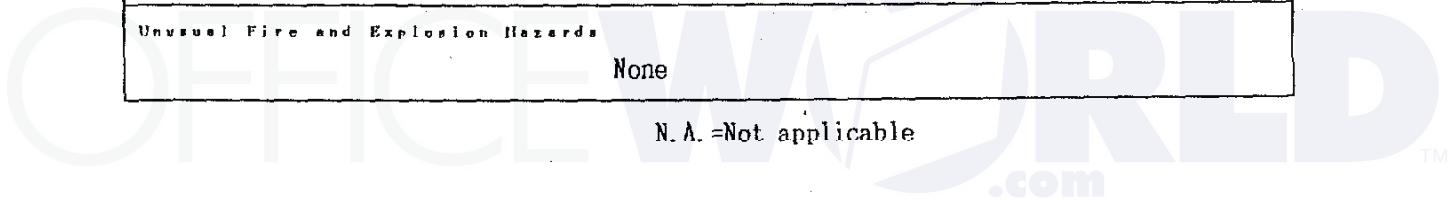
SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point N.A.	Specific Gravity (Water-1) 1.3
Vapor Pressure (mm Hg) N.A.	Softening Point 115°C(239 F)
Vapor Density (AIR-1) N.A.	Evaporation Rate (Butyl Acetate-1) N.A.
Solubility in Water	Insoluble
Appearance and Odor	silver film, practically odorless.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) N.A.	Flammable Limits N.A.
Extinguish Media Water, CO ₂ , Foam, Dry Chemical	
Special Fire Fighting Procedures None	
Unusual Fire and Explosion Hazards None	

N.A. = Not applicable



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SECTION V—REACTIVITY DATA

(Continued)

Stability	Unstable		Condition to Avoid Extremery high temperature
	Stable	○	
Incompatibility (Material to Avoid)		None	
Hazardous Decomposition or Byproducts		None in normal handling and use	
Hazardous Polymerizati -on	May occur		Condition to Avoid Extremery high temperature
	Will Not Occur	○	

SECTION VI—HEALTH HAZARD DATA

Primary Routes of Entry	Inhalation <input type="checkbox"/>	Skin <input checked="" type="checkbox"/>	Other (specify)
Health Hazards (Acute and Chonic)		Ames Test :	
Carcinogenicity	Carbon black: Inadequate evidence. (IARC Cancer Review) Polyethylene: Inadequate evidence. (IARC Cancer Review)		
Irritant: Skin	<u>No</u>	EYE	<u>No</u>
		Inhalation	<u>No</u>

SECTION VII—PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in case Materials Released or Spilled	N.A.
Waste Disposal Method	Dispose in accordance with local and federal regulation.
Precautions to Be Taken in Handling and Storing	None
Other Precautions	Keep containers closed. Store in a cool, dry place.

SECTION VIII—CONTROL MEASURES

Respiratory Protection (Specify Type)		Not required	
Ventilation	Local Exhaust	Not required	Special
	Mechanical (General)	Not required	Other
Protective Gloves	Not required	Eye Protection	Not required
Other Protective Clothing or Equipment		Not required	
Work/Hygienic Practices		Not required	

