

Barrier Film

(The customer is only exposed to the barrier film. Thermal Visions recommends that if a panel failure occurs, the panel be returned to Thermal Visions in the barrier film for remanufacture.)

Material Safety Data Sheet

Section I – PRODUCT IDENTIFICATION	
Manufacturer Name: Thermal Visions, Inc.	Emergency Telephone Number: 740-973-3671 Day
Address (Number, Street, City, and Zip Code) 83 Stonehenge Dr., Granville, OH 43023	Chemical Name and Synonyms N/A
	Product Name CLC617
	Chemical Family Metalised polyesters and EVOH layers laminate
	Date Prepared 07/31/09

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity common Name(s))	OSHA PEL	ACGIH TLV	Other limits Recommended	% (optional)
Thermal Visions Item CLC617 (Polyesters, Aluminum, EVOH) Polyester film is made from polyethylene terephthalate, CAS # 25038-59-9. Ethylene copolymer-vinyl alcohol, CAS # 26221-27-2 Polyurethane cured adhesive.	N/A	N/A	N/A	100

Boiling Point	N/A	Density	0.88-1.41g/cm ³
Vapor Pressure (mm Hg)	N/A	Softening Point	N/A
Vapor Density(Air=1)	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Solubility in Water Insoluble			
Appearance and Odor No Odor			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media Water fogs, foam, dry chemicals, carbon dioxide, carbon monoxide, terphthalate acid, and aldehydes.			

Special Fire Fighting Procedures

As appropriate for surrounding material equipment. Film remaining in contact with flame will ignite and continue to burn slowly, dropping flaming liquid, which can spread the fire. If flame source is stationary, the film will shrink away and self extinguish.

Unusual Fire Explosion Hazards

Combustion or thermal decomposition yields Terphthalic Acid, Carbon Dioxide, Carbon Monoxide, Hydrogen chloride gas, small molecular weight Alcohols/Aldehydes.

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid Contact with strong acids and bases, high temperatures
	Stable	X	

Incompatibility (Material to Avoid)

Strong Acids and Bases

Hazardous Decomposition or Byproducts

Above the decomposition temperature the major volatiles will be terphthalic acid, Carbon dioxide, carbon monoxide and small molecular weight alcohols / aldehydes.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI- Health Hazards Data

Routes of Entry	Inhalation? NO	Skin? NO	Ingestion? Not Likely
Health Hazards(Acute and Chronic)	None		

Carcinogenicity:	NTP.? No	IARC Monographs? No	OSHA Regulated? No
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Signs and Symptoms of Exposure: N/A

Medical Conditions
Generally Aggravated by Exposure

Emergency and First Aid Procedures
not required

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled
Pick up film to prevent slipping hazard

Waste Disposal Method
Dispose of in accordance with Federal, State and local regulations.

Precautions to be taken in handling and Storing
No anticipated hazards under conditions normally accoutered

Other Precautions

Section VIII - Control Measures

Respiratory Protection (Specify Type)

not required

Ventilation	Local Exhaust At Temp. Over 235°c	Special N/A
NORMAL	Mechanical (General) N/A	Other N/A

Skin Contact

Eye Protection

If symptoms develop, obtain medical attention.

Irrigate with eyewash solution or clean water, holding the eyelids apart.

Other Protective Clothing or Equipment

not required

Work/Hygienic Practices

N/A