



## Material Safety Data Sheet

### Polyester Thermal Lamination Film

**Distributor Name:**

GVDirect™

1261 Balmoral Road, Cambridge, ON N1T 1C4

Tel: 1.877.526.6848 | Fax: 519.740.3276

SECTION 1: Material Identification	
Product Name	Performance PET Gloss 1.2 mil - 10.0 mil, Performance PET Matte 1.7 mil - 10.0 mil, Performance GS (AGX PET) Gloss 1.2 mil, A-Lam Gloss 1.5 mil & 3.0 mil, Performance LM/UV Gloss 1.7 mil - 5.0 mil, Performance LM/UV Matte 1.7 mil - 5.0 mil, Performance PET DigiGrip Gloss 1.7 mil - 10.0 mil, Performance PET DigiGrip Matte 1.7 mil - 10.0 mil & Ultra-A.
Chemical Name	Main Film = Polythylene Terephthalate, <b>PET</b> Coating = Low Density Polyethylene, <b>LDPE</b> , Poly Ethylene Vinly Acetate, <b>EVA</b>
Formula	<b>PET</b> = $[-OC-C_6H_4-COOCH_2O-]_n$ <b>LDPE</b> = $[-CH_2-CH_2-]_n$ <b>EVA</b> = $[-CH_2-CH-COOCH_3-]_n$
CAS Hazard Class	Not Regulated
CAS No	PET (25038-59-9), LDPE (9002-88-4), EVA (24937-78-8)
Issue Date	13 <sup>th</sup> January 2020

SECTION 2: Hazardous Components	
Material	No components are hazardous
CAS No	NA
Concentration %	NA
PEL	NA
TLV	NA

SECTION 3: Physical / Chemical Data	
Appearance	Thin, Transparent plastic film with opaque appearance.
Odor	Nil
Melting Point	203 °F - 500 °F (95°C - 260°C)
Solubility in Water	Insoluble
Specific Gravity	0.92 - 1.4 g/cc
Volatile Content %	Negligible

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### SECTION 4: Fire & Exploration Hazard Data

#### Unusual Fire & Explosion Hazards

No unusual hazards

The film can pick up strong static charge during processing. Avoid discharge into dust or solvent as a flash fire or explosion may result.

#### Hazardous Combustion Products

The product of incomplete combustion include carbon monoxide, carbon dioxide acetaldehyde & acrolein. A static discharge device is necessary to eliminate the electrostatic buildup on the roll as it is being unwound and re-wound, especially in potentially explosive atmosphere.

#### Fire Fighting Instructions / Procedures

Respiratory and eye protection should be provided for trained fire-fighting personnel to avoid contact with combustion products.

#### Flash Ignition Temperature

N/A

### SECTION 5: Reactivity

#### Stability at Room Temperature

Stable

#### Conditions & Materials to Avoid

Temperature above 240 °C, strong acids, alkali may hydrolyze the film.

#### Hazardous Decomposition Products

Carbon Monoxide, Carbon Dioxide, Acetaldehyde & Acrolein.

#### Polymerization

Not occur

### SECTION 6: Accidental Release Measures

Scrap film generated through processing, e.g. slitting/shredding be swept and disposed of on drums or plastic bags according to local regulations, do not allow entering drains and waterways.

### SECTION 7: Health Hazards Information

#### Inhalation

Upon over-heating may produce fumes.  
Remove personnel to fresh air and lower heats to recommended temperatures.

#### Ingestion

Non-Toxic

#### Eye Contact

Mechanical irritation only

#### Skin Contact

No skin problem is anticipated during handling the film

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<b>SECTION 8: Emergency First Aid Procedure</b>	
<b>Inhalation</b>	If exposed to fumes from overheating or combustion moves to fresh air, get medical attention if symptoms persist.
<b>Eye Contact</b>	Flush eyes with plenty of water. Consult a physician if symptoms persist.
<b>Skin Contact</b>	Wash skin with plenty of water & soap. If molten polymer contacts skin, cool rapidly with water. Don't peel polymer from skin, get medical attention for thermal burn.
<b>SECTION 9: Exposure Controls / Employee Protection Information</b>	
<b>Ventilation</b>	Local ventilation may be required at temperature above 240°C, otherwise normal ventilation is required.
<b>Skin</b>	For handling the film, gloves are recommended
<b>Eyes</b>	Wear safety glasses as a part of good industrial safety practice.
<b>Respiratory</b>	Not required.
<b>SECTION 10: Ecological</b>	
	Films are not biodegradable Many year experience shows that the product is not hazardous to the environment.
<b>SECTION 11: Disposal Consideration</b>	
<b>Water Disposal</b>	Landfill is preferable. Alternative is forced draft disposal method must confirm to local, state and federal laws.
<b>Spill - Leak or Release</b>	N/A
<b>SECTION 12: Toxicological Information</b>	
<b>Aquatic Toxicity</b>	No data. Very low toxicity is predicted on the basis of negligible solubility of film in water.
<b>SECTION 13: Transport Information</b>	
	Not classified hazardous for transport. Dispatch by mail permitted.

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#### SECTION 14: Regulatory Information

Clear Air Act Status: This product does not contain and is not produced with ozone depleting chemicals as defined in 58 FR 8136, February 11, 1993

#### SECTION 15: Storage Conditions / Shelf Life

##### Storage Conditions

Store in cool & dry place. Packages are kept closed to prevent contamination. Roll may telescope, handle with caution. Avoid skin contact with sharp edges.

Temperature and humidity should be controlled at 25°C - 35°C and less than 85% RH, respectively. Bare (opened) rolls are recommended to be handled at the condition of 18°C - 25°C and less than 65% RH.

It is advisable to use Polyester thermal lamination films within one year from delivery. The rolls may be good condition even further if stored properly at recommended conditions in its original packing.

#### SECTION 16: Other Information

##### Last Revision

Jan 2020

##### Training Instructions

None Known

##### Data Sources

Data provided is from Manufacturer's SDS Sheets.

The information furnished herein is believed to be factual. No hazardous substances are used in the manufacturing of this product on this material safety data sheet with the exceptions indicated. Though no specific analysis is done for the products or the raw material used in its manufacturing for hazardous substances stated in various states list. The information is taken from work & qualified experts, however nothing contained in the information is to be taken as warranty or representation for which GVDirect™, bears legal responsibility.

#### For further information contact -

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Cambridge, ON N1T 1C4

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