Wall Protection ›

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name	**Lumiform™ (resin)**
Manufacturer/Supplier	**Lumicor®, Inc.**
Chemical Name	**Copolyester**
Synonym(s)	**PETG**
OSHA Status	**Nonhazardous**

2. COMPOSITION INFORMATION ON INGREDIENTS

Component	Weight %	CAS Registry No.
Copolyester	100%	25640-14-6

One or more of the following co-components may be present in trace amounts: Polyester, Rayon, Nylon, Aluminum, Raime, Cotton, Silk, Natural straw or foliage, Paper, Glass, Natural Shells, Wood, Bamboo.

3. HAZARDS IDENTIFICATION

Skin Contact:	Molten material will produce thermal burns.
Eye Contact:	"Inert" or "Nuisance" dust may cause abrasion or irritation.
Inhalation:	N/A
Ingestion:	Low hazard associated with normal conditions.
HMIS® Hazard Ratings:	Health - 1, Flammability -1, Chemical Reactivity - 0

In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions in theChemical, Dye, Pharmaceutical, and Plastics Industries."

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

4. FIRST-AID MEASURES

Inhalation:	If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Eyes:	If dust or molten material contacts the eye, immediately flush with water for at least 15 minutes. Call a physician.
Skin:	If burned by contact with molten material, cool as quickly as possible with cold water. Do not peel material from skin. Get medical attention for thermal burn.
Ingestion:	Material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.

5. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Solid resin
Appearance:	Clear to opaque
Odor:	Slight
Specific Gravity:	1.27
Softening Point:	100°C / 210°F
Solubility in Water:	Negligible

Flash Point:	N/A
Auto-ignition Temperature:	454°C / 849°F (ASTM E659)

6. STABILITY AND REACTIVITY

Stability:	Not fully evaluated. Materials containing similar structural groups are normally stable.
Incompatibility:	Strong oxidizing agents.
Hazardous Polymerization:	Will not occur.
Thermal Decomposition:	Thermal stability not tested. Stability hazard expected to be low at normal operating temperatures.

7. FIRE FIGHTING MEASURES

Extinguishing Media:	Water spray or dry chemical.
Fire Protection Equipment:	Wear self-contained, positive pressure breather apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide
Unusual Fire and ExplosionHazards:	Powdered material may form explosive dust-air mixture.

8. WASTE DISPOSAL/ACCIDENTAL RELEASE MEASURES

Disposal:	Landfill, recycle, or incinerate at a facility that complies with local state and federal regulations.

9. HANDLING AND STORAGE

Maximum Storage Temperature:	82°C / 180°F (softening temperature).
Storage Measures:	Keep from contact with oxidizing materials.
Handling Measures:	Minimize dust generation and accumulation.

10. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:	None required under normal circumstances. If during processing of the material engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator Type: Dust, Organic Vapor.
Eye Protection:	Wear a face shield or safety glasses with side shields when working with molten material, or when sawing, cutting, or routing the material.
Skin Protection:	Wear cotton or canvas gloves to protect against thermal burns, cuts, or abrasions to the hands.
Ventilation:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dusts, heating, drying, etc.

11. REGULATORY INFORMATION

ENVIRONMENT

WHMIS (Canada) Status: Noncontrolled.

Superfund Amendment and Reauthorization Act of 1986 (SARA 313): None.

Carcinogenicity Classification: None.

Toxic Substances Control Act (TSCA): The components of this product are on the TSCA inventory list. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

EINECS (European Inventory of Existing Commercial Chemical Substances): All components of this product are listed on

EINECS. Any polymer intentionally present in this product has regulatory clearance under Directives of the European Union.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification

ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

TRANSPORTATION

DOT Hazard Class: Not regulated

DOT Shipping Name: N/A

ICAO Status: Not regulated

IMDG Status: Not regulated

LABOR AWARENESS

This product as supplied is non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200). However, under processing conditions, it may become a health hazard to employees because vapors and/or particulates could be released. See Section 9 for Storage and Handling information.

Disclaimer: We believe this information to be reliable and offer the information in good faith without guarantee, as conditions and methods of use are beyond our control. We recommend prospective buyers perform their own testing to determine product suitability for all purposes before adopting Lumicor on a commercial scale. In no case is Lumicor liable for direct, consequential, economic or other damages. Lumicor disclaims all other warranties, expressed or implied, including the warranty of merchantability and fitness for a particular purpose.