PLASKOLITE, LLC.

SAFETY DATA SHEET
PETG Mirror Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/ UNDERTAKING

Trade Name:	PETG Mirror Sheet
Other Name(s):	Thermoplastic polymer mirror sheet
Usage:	Plastic mirror sheet products
Supplier:	Plaskolite, LLC. 1770 Joyce Avenue, Columbus, Ohio 43219, USA Telephone: 614-294-3281 www.plaskolite.com
Emergency Telephone:	614-294-3281

2. HAZARDS IDENTIFICATION

This material is classified as not hazardous under OSHA regulations. Under normal conditions of use, this product is not expected to create any unusual industrial hazards. Irritating gases/fumes may be given off during burning or thermal decomposition. Contact with hot material will cause thermal burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization:	> 98.5% PETG Copolyester [Proprietary] < 0.1% Aluminum [CAS# 7429-90-5] 1.5% Paint

4. FIRST AID MEASURES

Inhalation:	Move subject to fresh air.
Skin Contact:	If molten material contacts skin, cool rapidly with cold water and obtain medical attention for thermal burn.
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion:	This material is not expected to be absorbed within the gastrointestinal tract, so induction of vomiting should not be necessary.
Ingestion:	Get medical attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Dry water fog, dry chemical, carbon dioxide (CO2)
Specific Fire Hazards:	Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.
Special Protective Equipment & Precaution for Fire Fighters:	Wear a self-contained breathing apparatus and chemical protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precaution: If molten, allow material to cool and place into an appropriate marked container for disposal. Do not breathe vapors or dust.

Environmental Precaution: Do not release into the environment, such as into drains.

Methods for Cleaning Up: Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Max. Storage Temperature: 120°F (49°C)

Handling: Ensure appropriate exhaust and ventilation at machinery and at places where dust can be generated. Avoid dust formation, and accumulation of static charges. Prohibit sources of spark and ignition, such as smoking. Processing of this product under high temperatures will cause hazardous emissions of vapors, carbon monoxide or carbon dioxide.

Storage: If this material is stored under ambient temperature conditions, it is not hazardous. However, extensive storing at higher than the maximum temperature will emit vapors, carbon monoxide or carbon dioxide.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	OSHA		ACGIH	
	PEL	STEL	TLV	STEL
1. Aluminum, Total	15 mg/m^3	None	10 mg/m^3	None
2. Aluminum, Respirable	5 mg/m^3	None	5 mg/m^3	None

Ventilation Measures: Provide good ventilation and/or an exhaust system in the work area.

Respiratory Protection: None required under normal conditions.

Hand Protection: Canvas or cotton gloves.

Eye Protection: Safety glasses with side shields (ANSI Z87.1 equivalent).

Skin & Body Protection: Wear suitable protective clothing and boots.

Other Protective Measures: Avoid contact of molten material with skin. Do not inhale dust particles or vapors. Keep away from sources of ignition. Wash hands before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid mirror sheets
Color: Clear to opaque
Odor: Odorless
pH: Not applicable
Melting Point: Not available

Boiling Point:	Not available
Decomposition Temperature:	716°F (380°C) approx..
Flash Point:	> 842°F (> 450°C)
Auto-ignition Temperature:	880°F (471°C)
Explosion Limits:	Not available
Evaporation Rate:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Relative Density:	1.27
Solubility:	Insoluble

10. STABILITY AND REACTIVITY

Stability:	Stable. Hazardous polymerization does not occur.
Conditions to Avoid:	Protect from excessive heat. Keep away from sources of ignition and heat. Avoid dust formation.
Materials to Avoid:	None under normal conditions of use.
Hazardous Decomposition Products:	Thermal decomposition or combustion may emit vapors, carbon monoxide, or carbon dioxide.

11. TOXICOLOGICAL INFORMATION

This product should not be harmful under normal conditions of use.

Inhalation:	Unlikely to be harmful by inhalation under ambient temperature. At high temperature, products of thermal decomposition can be irritating to the respiratory system.
Skin Contact:	Not a skin sensitizer, and is non-irritating to skin under ambient temperature. At high temperature, contact with the product can cause serious burns.
Ingestion:	Unlikely to be harmful by ingestion under ambient temperature.
Eye Contact:	This product in the form of dust can be irritating to the eyes. At high temperature, products of thermal decomposition can be irritating to the eyes.
Carcinogenity:	Non-carcinogenic
Toxicity Data (for PETG):	Acute oral toxicity LD50 = > 3,200 mg/kg (rat, male) Acute oral toxicity LD50 = > 3,200 mg/kg (mouse, male) Acute dermal toxicity LD50 = > 1,000 mg/kg (guinea pig) Skin irritation = slightly irritating (guinea pig) Eye irritation = slightly irritating (rabbit) Eye irritation = non-irritating (guinea pig)

12. ECOLOGICAL INFORMATION

This product is a solid, inert product with low volatility, and is essentially insoluble in water.

Ecotoxicity:	This product should have low toxicity to aquatic and terrestrial organisms.
Mobility:	Due to the solid nature of this product, it should have low mobility in soil.
Persistence & Degradability:	This product is non-biodegradable.
Bioaccumulation:	This solid product has a low potential for bioaccumulation.
Effect in Sewage Plants:	May be separated mechanically.
Ecological Data (for PETG):	Fish toxicity LC50/96-hr = > 100 mg/l (pimephales promelas) Aquatic invertebrates toxicity LC50/96-hr = > 100 mg/l (daphnia magna)

13. DISPOSAL CONSIDERATIONS

Waste disposal should be in accordance with all federal, state and local environmental laws and regulations.

14. TRANSPORT INFORMATION

Not subject to national and international regulations on the transport of dangerous goods.

15. REGULATORY INFORMATION

OSHA Hazard Communication:	Non-hazardous
Toxic Substances Control Act:	Listed
CERCLA Hazardous Substances (40 CFR 302):	None
SARA Section 311/312:	Non-hazardous
SARA Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A):	None
SARA Section 313 Toxic Chemicals (40 CFR 372.65):	None
RCRA Hazardous Wastes (40 CFR 261):	When this product becomes a waste, it is identified as a solid but NOT hazardous waste under RCRA criteria (40 CFR Part 261)
Canadian WHMIS:	None

16. OTHER INFORMATION

HMIS Rating: Health = 1 Flammability = 1 Physical Hazard = 0

SDS Prepared By: Plaskolite Environmental, Health & Safety
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