

Graffiti Shield Inc.

MATERIAL SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: GS ML (GS Multi Layer)		[WHMIS Classification]: H=0, F=1, R=0	
Product Use : Anti Graffiti, protective window film			
Manufacturer's Name: Graffiti Shield		Supplier's Name: Graffiti Shield	
Street Address: 2940 E. La Palma #D		Street Address	
City: Anaheim	State: CA	City	Province
Zip Code: 92806	Emergency Telephone: (714) 575-1100	Postal Code	Emergency Telephone
Date MSDS Prepared: 1/17/19	MSDS Prepared By: J. Schuch	Phone Number: (714)575-1100	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	% by weight	CAS Number
Polyethylene terephthalate	55-81%	25038-59-9
Polymerized release liner	6-10%	N/A
Acrylic Adhesive	7-22%	N/A
Polyurethane Coating	<1%	N/A

SECTION 3 — HAZARDS IDENTIFICATION

[Emergency Overview]
Route of Entry <input type="checkbox"/> Skin Contact – during normal use
WHMIS Symbols HMIS; H=0,F=1,R=0 NFPA; H=1,F=1,R=0
Potential Health Effects ; Incomplete incineration produces decomposition products that may cause respiratory and eye irritation
Any substances present at a concentration of 0.1% or more classified as a carcinogen by IARC, NTP or OSHA;= None are known.
Overexposure: Eyes; cause irritation, Skin; no animal tests have been run. No skin problems are anticipated from normal handling of the film, Inhalation; Fumes irritation to the eyes, nose, and respiratory tract may be produced at temperatures above 480F. Can cause severe allergic respiratory reaction, Ingestion; Ingestion is not an expected route of exposure during normal use. Low to zero ingestion toxicity.
Carcinogenic Effects; Based upon available information this substance cannot be classified as a carcinogen. Its ingredients are not listed as carcinogenic by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

SECTION 4 — FIRST AID MEASURES

Skin Contact Flush with water for 15 minutes. Get medical attention if irritation persists. If exposure is due to molten film, cool rapidly with cool water. Do not attempt to peel film from skin. Get immediate medical attention for thermal burn.
Eye Contact: Flush with water lifting eyelids for 15 minutes. Get medical attention if irritation persists.
Inhalation; Remove person to fresh air. Seek immediate medical attention if symptoms develop. Give oxygen if breathing is difficult. If breathing has stopped, give artificial respiration.
Ingestion; Ingestion is not an expected route of exposure during normal use.

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SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes	If yes, under which conditions? ; Product is combustible. Direct continuous contact with flame is necessary for combustion.	
Means of Extinction; For small fires or large fires, use extinguishing media appropriate to surrounding materials.		
Flashpoint (° C) and Method; Product is combustible. Direct continuous contact with flame is necessary for combustion.	Upper Flammable Limit (% by volume) Not established	Lower Flammable Limit (% by volume) Not established
Autoignition Temperature (°C) Not established	Explosion Data — Sensitivity to Impact; Not established	Explosion Data — Sensitivity to Static Discharge; Product can pick up a strong static charge during processing. Avoid discharge into fine dust and solvent laden air as a flash fire or explosion may result.
Fire Fighting Procedures / Equipment: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH – approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing. Keep containers cooled with water spray.		
[NFPA]		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures; pick up film to avoid slipping hazard PPE; Appropriate safety measures and protective equipment should be used. Use of supplied air respirator or self-contained breathing apparatus when necessary.

SECTION 7— HANDLING AND STORAGE

Conditions: Store in a cool, dry, well ventilated area. Keep packages sealed to prevent contamination.

WARNING; Avoid high temperatures. Elevated temperature processes should be evaluated thoroughly to assure safe operating conditions. Heating may cause evolution of chemical vapors or mists that can combust without warning when mixed with air. Proper respiratory protection must be worn

SECTION 8 — PERSONAL PROTECTION

Specific Engineering Controls (*such as ventilation, enclosed process*);

Eye Protection; Safety Glasses are recommended. Eyewash station should be readily accessible.

Skin Protection; Wear rubber boots and apron, protective clothing, and insulated gloves for handling hot film. Consult a glove manufacturer to determine proper type.

Respiratory Protection; Respirator is not required during normal handling. Respiratory protection programs must be in compliance with 29CFR 1910.134

Ventilation; Provide sufficient mechanical ventilation during processing above 450F

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State; Film	Odor and Appearance; Negligible Odor, Clear Appearance	Odor Threshold (ppm); N/A
Specific Gravity; ~ 1.3	Vapor Density (air = 1) N/A	Vapor Pressure (mmHg) N/A
Evaporation Rate N/A	Melting Point (° C) 450°F (250°C)	Freezing Point (° C); N/A
pH N/A	Coefficient of Water/Oil Distribution N/A	[Solubility in Water]; Insoluble

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input type="checkbox"/> Yes	If no, under which conditions?
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Stable at room temperature. Hazardous Polymerization will not occur.

Incompatibility with Other Substances No	If yes, which ones?
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Hazardous Decomposition Products; Temperatures above 480F. Carbon monoxide and hydrocarbon oxidation products include organic acids, acetyl aldehydes, and alcohols may be produced during decomposition.

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

Polyethylene terephthalate, Oral >10,000 mg/kg in rats.

Toxic effects from short exposure by inhalation or ingestion resulted in no adverse effects. Does not have carcinogenic, mutagenic, or developmental or reproductive effects.

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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]; No data is available. Films are insoluble in water and not biodegradable. Toxicity is expected to be low.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal; General recommendations; Treat at an acceptable waste treatment facility. Special Instructions; be sure to contact the appropriate government environmental agencies if further guidance is required. Preferred options for disposal are incineration with energy recovery, landfill or recycling.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information	Not Regulated by the DOT	
		PIN
TDG	[DOT]	
[IMO]	[ICAO]	

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification]	[OSHA]
[SERA]	[TSCA]
<p>This product contains no known toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 49CFR372.</p> <p>TSCA Inventory Status; In compliance with inventory requirements for commercial purposes.</p> <p>STATE REGULATIONS (US); No substances on the state hazardous substances list, for the states listed below are included in the products on this MSDS , California, Pennsylvania, New Jersey.</p>	

SECTION 16 — OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances. All chemicals may present unknown health hazards and should be used with caution. We cannot guarantee the hazards described herein to be the only ones that exist. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.