



# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** Polyester/TGIC – Low Gloss Black  
**PRODUCT CODE:** PESB-500-LG3

**HMS CODES:** H F R P  
1 1 0 E

===== SECTION I - MANUFACTURER IDENTIFICATION =====

**MANUFACTURER:** MIT Powder Coatings  
**INFORMATION PHONE:** (616) 350-8549  
**DATE PREPARED:** June 12, 2012  
**NAME OF PREPARER:** Technical Department

===== SECTION II - HAZARDOUS INGREDIENTS INFORMATION =====

COMPONENT	CAS NO.	% BY WEIGHT	ACGIH TLV.	OSHA PEL
BARIUM SULFATE	7727-43-7	< OR = 10%	10.0mg/m3	15.0mg/m3
TRIGLYCIDYL IOSCYANURATE	2451-62-9	< OR = 10%	.05mg/m3	N/A
TITANIUM DIOXIDE	13463-67-7	< OR = 40%	10.0mg/m3	15.0mg/m3
IRON OXIDE	51274-00-1	< OR = 1%	5.0mg/m3	10mg/m3
NUISANCE PARTICULATES	N/A	< OR = 60%	15 mg/m3 5.0mg/m3 Respirable	10mg/m3 3.0mg/m3

This product should be treated and handled as a nuisance particulate. This product contains no chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act.

===== SECTION III - PHYSICAL/CHEMICAL PROPERTIES =====

**SPECIFIC GRAVITY:** 1.5 ± .05  
**EVAPORATION POINT:** N/A  
**SOLUBILITY IN WATER:** Negligible  
**APPEARANCE AND ODOR:** Dry fine powder  
**BOILING RANGE:** N/A  
**VAPOR DENSITY:** N/A

===== SECTION IV - REACTIVITY DATA =====

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Extreme high temperatures  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Oxidizing materials  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Heat will produce fumes possibly containing carbon monoxide, aldehydes, and carboxylic acids.

**HAZARDOUS POLYMERIZATION:** Will not occur

===== **SECTION V - HEALTH INFORMATION** =====

**INHALATION HEALTH RISKS AND SYMPTOMS**

Overexposure to dust can cause irritation of respiratory passages.  
Remove to fresh air immediately.  
Symptoms - Difficulties in breathing.

**TRIGLYCIDYL ISOCYANURATE**

Ingestion - Moderately toxic. Symptoms are not fully known. Potential loss of appetite and bleeding from the nose.  
Inhalation - Irritation to upper respiratory tract. May lead to nosebleeds.  
Eye contact - Irritation  
Skin contact - Maybe absorbed through the skin in harmful amounts. May lead to minor irritation.

**SKIN AND EYE CONTACT RISKS AND SYMPTOMS**

Eye contact: Dust and fumes can cause irritation, wash eyes thoroughly with water.  
Symptoms - Redness and tearing  
Skin contact: May lead to minor irritation.  
Symptoms - Skin absorption is unlikely in normal use.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

Inhalation is the main source of exposure.  
No known chronic effects.

**EMERGENCY AND FIRST AID PROCEDURES**

Incase of eye contact, flush eyes thoroughly with water for at least 15 minutes and seek medical attention if symptoms persist.  
For skin contact, wash with plenty of water.  
If inhaled, obtain fresh air. If breathing difficulty continues, obtain medical help.

===== **SECTION VI - FIRE AND EXPLOSION DATA** =====

**FLASH POINT:** N/A

**FLAMMABLE LIMITS IN AIR BY VOLUME:** LOWER: N/A HIGHER: N/A

**EXTINGUISHING MEDIA:** FOAM, CO<sup>2</sup>, DRY CHEMICAL, WATER FOG

**SPECIAL FIREFIGHTING PROCEDURES**

Firefighters should use full protective equipment including breathing apparatus.  
Prevent dispersing dust to avoid further fire or explosion.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Dust suspended in air creates potential fire hazards. Containers must be kept closed when not in use.

===== **SECTION VII - PROPER MATERIAL HANDLING** =====

**NECESSARY STEPS IN CASE OF MATERIAL SPILLED OR RELEASED**

Remove all sources of ignition. Use vacuum equipment. Avoid breathing dust.

**WASTE DISPOSAL METHOD**

Dispose in accordance with federal, state, and local laws.

**PROPER HANDLING AND STORING**

Do not store above 80 degrees Fahrenheit. Keep away from heat, sparks, and flame.

**OTHER PRECAUTIONS**

Prevent prolonged exposure to skin and contact with eyes. Do not take internally.

Avoid breathing fumes when curing.

Keep containers closed after use. Clean hands after use and before eating or smoking.

===== **SECTION VIII - PERSONAL PROTECTION** =====

**RESPIRATION PROTECTION**

Use M I O S H Approved respirator to prevent breathing dust or fumes. In confined spaces, use M I O S H A/M S H A approved air respirator. Refer to OSHA 29 DFR 1910.134 "Respiratory Protection." Follow manufacturer directions for proper respirator use.

**VENTILATION**

Use general dilution and local exhaust ventilation in volume and pattern to keep the air contaminant concentration below OSHA requirements.

**EYE PROTECTION**

Use dust protective eyewear with side shields.

**HAND PROTECTION**

For prolonged contact, wear impermeable gloves. Wash hands after using product.

**PROTECTIVE CLOTHING**

Wash contaminated clothing before using.

===== **SECTION IX - OTHER PROTECTION** =====

THE ABOVE INFORMATION IS CONSIDERED TO BE ACCURATE BASED ON DATA RECEIVED FROM OUR RAW MATERIAL SUPPLIERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, NO WARRANTY IS ISSUED FOR THE ACCURACY OF THIS DATA OR FOR WHICH MIT POWDER COATINGS ASSUMES LEGAL LIABILITY FOR RESULTS TO BE OBTAINED FROM THE USE THEREOF