



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Polyester/TGIC – Flat Black II
PRODUCT CODE: PESB-402-M0

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: July 15, 2015
NAME OF PREPARER: Technical Department

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

COMPONENT	CAS NO.	% BY WEIGHT	ACGIH TLV.	OSHA PEL
BARIUM SULFATE	7727-43-7	24-26%	10 mg/m3	10 mg/m3
TRIGLYCIDYL IOSCYANURATE	2451-62-9	< 10%	.05 mg/m3	N/A
NUISANCE PARTICULATES	N/A	35	10 mg/m3 3 mg/m3	15 mg/m3 (Total) 5 mg/m3 (Reparable)
BARIUM SULPHATE	7727-43-7	24-26%	10 mg/m3	10 mg/m3
HYDRATED ALUMINA	1344-28-1	0.2%	10 mg/m3	15 mg/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: 1.42+-0.05
EVAPORATION POINT: N/A
SOLUBILITY IN WATER: Insoluble
APPEARANCE AND ODOR: Solid Powder/Negligible
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 - May be 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, CO², 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