

SECTION 1. PRODUCT & COMPANY IDENTIFICATION

Trade Name: Polyimide Film Acrylic Coverlay **CAS #:** N/A
This SDS covers the following Matrix Plus FR – MCL Plus FR xxx, MBP Plus FR xxx, and MAP Plus FR xxx.

Supplier: Matrix Electronics Limited
 1124 Mid-Way Blvd, Mississauga, ON L5T 2C1 Canada

EMERGENCY PHONE: 1-800-668-5447

Chemical Name: Aromatic Polyimide
IATA HAZARD CLASS: Not Regulated
IMO HAZARD CLASS: Not Regulated
OZONE DEPLETING CHEMICALS: Not Regulated, Contain No ODC's

Product Use: OSHA Hazard Communication Standard (29CFR 1910.1200) requirements for Material Safety Data Sheets do not apply to the products described in this information sheet. This product is excluded as an article.

SECTION 2. HAZARDS IDENTIFICATION

Materials to avoid: Incompatible with oxidizers and strong acids.

Hazardous Combustion and Decomposition Products: None under normal conditions. At temperature above 400 °C, CO, CO₂, and NO₂ are the major off-gases.

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Material	Polyimide	Resin	1,2-Bis (Tetrabromophthalimido) Ethane	Antimony Oxide
CAS #	2503856-9	Mixture	32588-76-4	1309-64-4
Weight %	20-83%	20-60%	<1-30%	<1-15%
OSHA TWA/PEL	NE	NE	15/mg/m ³ total dust	0.5/mg/m ³
ACGIH/TW & TLV STEL	NE	NE	10 mg/m ³ total dust	0.5/mg/m ³

NE = Not Established

SECTION 4. FIRST AID MEASURES

Eye Contact: Product not considered a primary eye irritant. May cause mechanical eye irritation problems. Flush eyes with water for 15 minutes, holding eyes open. Seek medical attention for follow-up.

Skin Contact: Product not considered a skin irritant. In case prolonged contact causes irritation, wash with soap and water. Cover the irritated skin with an emollient. Seek medical attention if irritation develops.

Inhalation: Not normally an inhalation hazard. If burned or fumes are present, move victim to fresh air and contact physician or poison control center if problems occur, administer CPR as needed.

Ingestion: Product not considered an ingestion hazard, except for choking. DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON. If conscious give 4-8 ounces of milk or water (adults only). If child swallows this material contact poison control center immediately and contact a physician.

SECTION 5. FIRE FIGHTING MEASURES

Flammability of the Product:	Not a fire or explosion hazard.
Auto-Ignition Temperature:	ND
Flash Points:	ND
Extinguishing Media:	Water, Spray, Foam, Dry Chemicals. Water is the best extinguishing material.
Special Fire Fighting Instructions:	A minimum of SCBA (NIOSH/MSHA) and turn-out bunker gear should be worn. Toxic combustion products may be formed. Use water spray to cool heat exposed containers.
Unusual Fire and Explosion Hazards:	Irritating fumes may develop when product is heated.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Ventilation:	Local exhaust recommended for operation above 200 °C
Note:	Precautions should be taken to prevent skin absorption as well as inhalation of components as outlined in hazardous Components Section; This material, as well as many plastic films, has a tendency to form a static charge; this material can cause a slip hazard.
Special Precautions:	Do not use in food contact applications.
Safeguards (Personnel):	Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

SECTION 7. HANDLING AND STORAGE

Precautions:	Keep away from heat sparks and open flames. Avoid contact with skin and eyes. Avoid breathing vapors, use appropriate skin protection. Secondary operations such as grinding, sanding and sawing may produce a dust explosion hazard. Use accepted engineering practices to avoid this situation.
Storage:	Store in original container in cool, dry area to preserve received product quality.
Handling (Personnel):	Wash thoroughly after handling.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Local exhaust ventilation may be needed to maintain exposures below occupational exposure limits for dust.
Personal Protection:	Safety glasses are recommended as good industrial practice. Respirators are not needed for normal use. Special protective clothing is not needed for normal use. Gloves are recommended as good industrial practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Visual:	Light amber transparent film, adhesive on release film
Odor:	Slight or no odor
Melting Point:	None
% Volatiles:	ND
Specific Gravity:	1.2 – 1.4
Solubility:	Insoluble in cold water, hot water.
Density:	44.6 g/m ²
Freezing or Melting Point:	NA/NA

SECTION 10. STABILITY AND REACTIVITY DATA

Stability: The product is stable at normal temperatures and storage conditions materials.
Decomposition: At temperature above 400 °C, may produce carbon dioxide, carbon monoxide, nitrogen oxides, and hydrogen cyanide.
Incompatibility with various substances: Oxidizers, strong acids or bases, amines, ammonia, pyridines, potassium t-butoxide
Corrosivity: N/A
Special remarks on Corrosivity: N/A

SECTION 11. TOXICOLOGICAL INFORMATION

Chronic Effects on Humans: N/A
Inhalation: N/A (Not a probable route of exposure)
Ingestion: N/A (Not a probable route of exposure)

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity: No data available on this product in its present form.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal: This product is not a RCRA waste. Waste must be treated in accordance with federal, state and local environmental control regulations.

SECTION 14. TRANSPORTATION INFORMATION

DOT Hazard Class: Not regulated
Proper Shipping Name: Not regulated
Identification Number: Not regulated

SECTION 15. REGULATORY INFORMATION

OSHA: Portions of this product may be listed under Hazard Communication Standard as Hazardous (29CFR 1910.1200)
TSCA: Portions of this product may be listed on the TSCA inventory
SATA Title III: Sections 311/312: YES portions of this product may be listed. Sections 313: YES portions of this product may be listed.

SECTION 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Ratings:

Health	1
Fire	0
Reactivity	0

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