

TECHNICAL DATASHEET

The enclosed Safety Data Sheet (SDS) presents data applicable for the raw materials used in the preparation of the Static Dissipative Membrane Box and is based on information obtained from the raw material supplier.

The toxicity information indicates that adverse effects are unlikely to result from exposure to these materials during industrial handling. They are unlikely to cause eye or skin irritation and are unlikely to cause any adverse systemic injury from skin absorption, oral injection or inhalation.

Section 1: Supplier Information

Common Name: Static Dissipative Membrane Box
Supplier: Gel-Pak
City/State/Zip: Hayward, CA 94544
Phone: 1-510-576-2220

Section 2: General Information

Common Name: Static Dissipative Membrane Box
Main Ingredient: Permanent anti-static ABS box and proprietary Thermoplastic polyurethane membrane.

Section 3: Hazards Identification

Emergency overview: Smoke from burning compound (film) will be very irritating. Extinguishing media include water, ABC dry chemical, alcohol foam, and protein type air foams. Carbon dioxide is not recommended due to a lack of cooling capacity. Wear positive pressure self-contained breathing apparatus (SCBA) and approved protective clothing.

Acute health effects: Molten product causes skin burns. At elevated temperatures (e.g., at melt processing temperature or combustion temperature), this product may emit fumes and vapors that cause irritation (possibly severe) to the respiratory tract, eyes and /or skin. At ambient temperature, there are no known or expected health effects.

Chronic health effects: None known.

Signs/Symptoms of exposure: Irritation.

Routes of exposure/entry: Contact with molten polymer, inhalation of process vapors.

Target organs: Eyes, respiratory tract, skin.

Medical conditions aggravated by exposure: Individuals with bronchial asthma and /or other types of chronic obstructive respiratory diseases may develop bronchospasm if exposure to processing fumes or vapors is prolonged.

Carcinogenic status: Not listed or regulated by IARC, NTP, OSHA, or ACGIH.

Reproductive effects: None expected.

Section 4: First Aid Measures

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

- Eyes: Flushing the eye immediately with water for 15 minutes is a good safety practice. Physician should stain for evidence of corneal injury.
- Skin contact: Avoid abrasion. Contact may cause slight irritation. Wash off in flowing water and soap. If molten polymer contacts the skin, cool the skin rapidly with water or ice. See a physician for removal of any adhering material and for treatment of the burn.
- Ingestion: Low in toxicity. No ingestion effects known, however, induce vomiting if large amounts are ingested.
- Inhalation: If any processing vapors, decomposition products or particulates are inhaled, remove individual(s) to fresh air. Provide protection before allowing reentry. Get medical attention immediately.

Section 5: Fire Fighting Measures

- Extinguishing Media: Use water, dry chemical, alcohol foam or protein type foam. CO₂ is not recommended as a lack of cooling capacity may result in re-ignition.
- Firefighting Methods: Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode (or other positive pressure mode) and protective clothing.
- Unusual Fire & Exploding Hazards: Thermoplastic polymers can burn. Protect product from flames of any kind; maintain proper clearance when using heat devices, etc. Irritating or toxic substances will be emitted upon burning, combustion or decomposition. Large masses of molten polymer held at elevated temperatures for extended periods of time may auto-ignite.

Section 6: Accidental Release Measures

- Clean up techniques: Sweep up carefully and place into container for reuse or disposal. Dust masks to be used if dust concentration is high.
- Environmental precautions: Should be swept up and disposed of in accordance with local regulations. Do not sweep or flush product into sewers or waterways.

Section 7: Handling and Storage

- Ventilation: Good room ventilation usually adequate for most operations.
- Respiratory Protection: None normally needed. In cases where there is a likelihood of inhalation exposure to dried particles, wear NIOSH approved dust respirator.
- Storage: Store in clean, cool and dry conditions, away from other chemicals or energy sources.

Section 8: Exposure Controls / Personal Protection

Respiratory Protection: None normally needed. In cases where there is a likelihood of inhalation exposure to dried particles, wear a NIOSH approved dust respirator.

Wash / Hygienic Practices: Wash with soap and water when leaving work area and before eating, smoking, and using restroom facilities.

Section 9: Physical and Chemical Properties

Color: Natural.

Odor: None at normal temperature.

Melting Point >105°C.

Density: 1.08 - 1.18 g/cc

Water Solubility: Negligible.

Flash point: ≥400°C

Explosive properties: Not applicable.

Section 10: Stability and Reactivity

Stability: Stable under normal conditions. Avoid temperatures above 340°C.

Incompatibility with other materials: Avoid strong acids or alkalis.

Hazardous decomposition products: Volatiles may be evolved during overheating, combustion, or decomposition. These potential decomposition gases have not been fully determined but may include CO CO₂, and small amounts of aldehydes, hydrogen cyanide, oxides of nitrogen, hydrocarbons, isocyanates, water vapor and/or combinations of the previous, and smoke.

Section 11: Toxicological Information

No data.

Skin: No evidence of irritation or sensitization during human patch testing. Under decomposition conditions, isocyanates may be generated from this product. Isocyanates can cause skin sensitization and/or respiratory sensitization.

Section 12: Ecological Information

No data

Section 13: Disposal Considerations

For waste disposal purposes, this product is not known to be defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act, (RCRA, 40CFR261). Incinerate or landfill waste in a properly permitted facility in accordance with federal, state, and local regulations.

Section 14: Transportation Data

Not classed under dangerous substances regulations.

Section 15: Regulatory Information

Not hazardous product.