



Product Name: Tgard 5000

Material Safety Data Sheet

MSDS Number: 138

(Prepared in accordance with OSHA Hazard communication
Standard 29 CFR 1910.1200 Section (g)(c)(1))

Manufacturer's Name: Laird Technologies
4707 Detroit Avenue
Cleveland, OH 44102
Date of Preparation: February 2007

Emergency Telephone Number
*** (216) 939 – 2300 ***
Information Telephone Number
*** (216) 939 – 2300 ***

Section 1: Product Identification

Product Name: Tgard 5000

Synonym: Electrically Insulating, Thermally Conductive Material

Chemical Family: Silicone polymer coated on polyimide **Formula:** Mixture

Section 2: Composition Information

While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. The MSDS should be retained and available for employees and other users of the product.

Section 3: Hazards Identification

Potential Health Effects:

Ingestion: No adverse effects known
Skin: No adverse effects known
Inhalation: No adverse effects known
Eyes: May cause eye irritation.

Medical Conditions Aggravated: None known

Subchronic Effects: None known

Chronic Effects/Carcinogenicity: This product contains no carcinogens or suspected carcinogens, in concentrations of 0.1% or greater, as defined by OSHA, ACGIH, NTP, and IARC.

Section 4: First Aid Measures

Ingestion: Rinse mouth with water several times.

Skin: Wash with soap and water.

Inhalation: No evidence of adverse effects.

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Section 5: Fire Fighting Measures

Flammable Properties:

Flash Point: Not applicable to solids

Flammable Limits: LFL: Not Available
UFL: Not Available

Sensitivity to Static Discharge: Not expected

Extinguishing Media: Standard fire fighting media

Fire & Explosion Hazards: None known

Special Firefighting Procedures: None known

Section 6: Accidental Release Measures

Wipe or scrape spilled material and dispose of material in accordance with federal, state, and local regulations.

Section 7: Handling and Storage

Keep container closed when not in use.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: No special ventilation requirements if good ventilation is maintained

Personal Protective Equipment (PPE): Where contact is likely, wear chemical resistant gloves, long sleeves, and safety glasses with side shields.

General Hygiene Considerations: Wash hands thoroughly after handling and before eating or drinking

Exposure Guidelines: Not available

Section 9: Physical / Chemical Properties

Boiling Point:	Not available	Volatile by Volume:	< 1.0 %
Density:	2.54 g / cc @ 25° C	Vapor Pressure:	Negative mm Hg @ 25° C
Solubility in Water @ 20°C:	Negative	Evaporation Rate:	Negative
Vapor Density:	Negligible (Air = 1)	Physical State:	Solid
Appearance:	Tan	Odor:	Odorless

Section 10: Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	None known
Materials to Avoid:	None known
Hazardous Polymerization:	Does not occur

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and silicon dioxide.

Section 11: Toxicological Information

No toxicological information has been found for this material.

Section 12: Ecological Information

No specific ecological data for this material is available. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

Section 13: Waste Disposal

Please refer to Sections 5, 6, and 15 for disposal and regulatory information.

Section 14: Transport Information

DOT Shipping Name:	None
DOT Hazard Class:	None
DOT Label(s):	None
UN/NA Number:	None
IATA:	None
IMO - IMDG Code:	None

Section 15: Regulatory Information

SARA Section 302: Not listed

SARA Section 311, 312: Not listed

SARA Section 313: Not listed

Section 16: Other Information

NOTICE: The information herein is based on data considered to be accurate at date of preparation. No warranty is made as to the accuracy or completeness of the foregoing data and safety information. No responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, form any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.