



Product Name: Tmate 2900 Series

MSDS Number: 059

Material Safety Data Sheet

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

**Manufacturer's Name:** Laird Technologies  
4707 Detroit Road  
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:** Tmate 2905, Tmate 2905C, Tmate 2907,  
Tmate 2910, Tmate 2910C, Tmate 2920

**Synonym:** Thermal Interface Material

**Chemical Family:** Mixture

**Formula:** Mixture

**Section 2: Composition Information**

Component	CAS Reg. #	Weight %
Aluminum ** (see Section 15)	7429-90-5	0 – 25%

**\*\*This is a toxic chemical subject to the report requirements of Section 313 of the Emergency Planning & Community Right-to-Know Act of 1986 and of 40 CFR Part 372.**

**Section 3: Hazards Identification**

**Potential Health Effects:**

**Ingestion:** Low ingestion hazard under normal usage.  
**Skin:** Normal handling should not cause any adverse health effects  
**Inhalation:** This material is not likely to be an inhalation hazard under normal usage.  
**Eyes:** May cause irritation by mechanical abrasion.

**Medical Conditions Aggravated:** 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 affects.

**Eyes:** In case of contact with material, 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

**Flammable Limits:** LFL: Not Available  
UFL: Not Available

**Sensitivity to Static Discharge:** Not expected

**Extinguishing Media:** Water fog, foam, dry chemical, or CO<sub>2</sub>

**Fire & Explosion Hazards:** None known

**Special Firefighting Procedures:** None known

#### Section 6: Accidental Release Measures

Sweep up material and dispose of material in accordance with federal, state, and local regulations.

#### Section 7: Handling and Storage

Store material in a cool, dry, location. Avoid breathing dust, if any.

#### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** No special ventilation requirements.

**Personal Protective Equipment (PPE):** Where prolonged contact is likely, wear gloves.

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

**Exposure Guidelines:** Under normal usage this material will not generate particulates (dust).

Component	CAS Reg #	OSHA PEL		ACGIH TLV	
		TWA	STEL	TWA	STEL
Aluminum (dusts and fumes)	7429-90-5	15 mg/m <sup>3</sup>	NE	10 mg/m <sup>3</sup>	NE

## Section 9: Physical / Chemical Properties

<b>Boiling Point:</b>	NA	<b>Volatile by Volume:</b>	< 1.0 %
<b>Density:</b>	~1.62 g / cc @ 25 ° C	<b>Vapor Pressure:</b>	Negative mm Hg @ 77° C
<b>Solubility in Water @ 20°C:</b>	Insoluble	<b>Evaporation Rate:</b>	Negative
<b>Vapor Density:</b>	~ 1 (Air = 1)	<b>Physical State:</b>	Solid
<b>Appearance:</b>	Yellow-silver sheet	<b>Odor:</b>	None

## Section 10: Stability and Reactivity

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	None known

## 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

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

## Section 15: Regulatory Information

<b>SARA Section 302:</b>	Not listed
<b>SARA Section 311, 312:</b>	Not listed
<b>SARA Section 313:</b>	This material contains Aluminum (CAS # 7429-90-5). Aluminum in the form of dust and fumes, is subject to SARA Title III Section 313. Under normal usage the aluminum present in this material will not become a dust or fume.

## 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 from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.