

# HEAT BARRIER SYSTEMS, INC.

## MATERIAL SAFETY DATA SHEET

### SECTION 1- PRODUCT IDENTIFICATION

MANUFACTURER: Heat Barrier Systems, Inc.  
ADDRESS: PO Box 840 Caddo Mills, TX 75135-0840  
TELEPHONE: 866-527-4972  
DATE OF PREPARATION: 10/19/11  
PRODUCT NAME: POLARALUM®

### SECTION 2- HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<u>PRODUCT INGREDIENTS:</u>	<u>CAS NUMBER</u>	<u>TLV/PEL</u>
Aluminum Foil	7429-90-5	-
Polyester Nonwoven Fabric		
Polymeric Adhesive		No information

<u>* HAZARDOUS INGREDIENTS</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS RECOMMENDED</u>
------------------------------------	-----------------------	---------------------	----------------------	-------------------------------------

\* Substances listed in the hazardous Ingredients section are those that have been determined to be health hazards and are present at a concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in the OSHA Hazard Communication Standard.

### **SECTION 3- PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point:	Not Applicable
Melting Point:	265°C / 509°F (Nonwoven Fabric Side Only)
Vapor Pressure:	Not Applicable
Vapor Density:	Not Applicable
Solubility (in water):	Insoluble In Water
Appearance:	Aluminum Foil/ Nonwoven Fabric Lamination
Odor:	No Odor
Specific Gravity:	Not Determined

### **SECTION 4- FIRE AND EXPLOSION HAZARD DATA**

Flash Point:	Not Applicable
Method Used:	Not Applicable
Flammability Limits:	LEL - Not Applicable UEL - Not Applicable
Auto-Ignition Temperature:	Not Applicable
Extinguishing Media:	Foam, dry chemical, fog or water
Special Fire Fighting Instructions:	Fires involving this product should be fought while wearing self-contained breathing apparatus.
Unusual Fire And Explosion Hazards:	Polyesters can burn if exposed to flame.

### **SECTION 5- REACTIVITY DATA**

Stability:	Stable
Hazardous Decomposition Products:	Under fire conditions, products will decompose and produce formic and acetic acid, acetaldehyde, acrolein, nitrogen oxides, carbon monoxide carbon dioxide and other organic vapors
Hazardous Polymerization:	Should not occur under normal use.

**SECTION 6- HEALTH HAZARD DATA**

EYE CONTACT: Direct contact will cause mechanical irritation. Irrigate immediately with water for at least 15 minutes. Seek medical attention.

SKIN CONTACT: Direct contact can cause mechanical irritation.

SKIN ABSORPTION: Not likely to be absorbed through skin.

INGESTION: Not likely to occur under normal conditions.

INHALATION: Product cannot be inhaled in its normal form. If abnormal use creates dust, wear a NIOSH/OSHA approved respirator.

SIGNS AND SYMPTOMS OF EXPOSURE: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

**SECTION 7- PRECAUTIONS FOR SAFE HANDLING AND USE**

SPILL PROCEDURES: Not Applicable

DISPOSAL METHOD: In accordance with applicable, local, state and federal regulations.

**SECTION 8- CONTROL MEASURES**

VENTILATION: Not required for normal use.

RESPIRATORY PROTECTION: Not required for normal use. If abnormal use creates dust, wear a NIOSH/OSHA approved respirator.

SKIN PROTECTION: Not normally required.

EYE PROTECTION: Not normally required.

**SECTION 9- SPECIAL PRECAUTIONS / ADDITIONAL INFORMATION**

DOT INFORMATION: Not regulated by DOT

HAZARD CLASS: Non hazardous.

HMIS HAZARD RATING: HEALTH - 0, FLAMMABILITY - 1, REACTIVITY - 0

NFPA HAZARD RATING: HEALTH - 0, FLAMMABILITY - 1, REACTIVITY - 0

While the information and recommendations set forth herein are believed to be accurate, Heat Barrier Systems, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.