SDS SHEET PRODUCT NAME: HEATSHIELD MAT™

SECTION 1: PRODUCT & COMPANY INFORMATION

Product Name: Heatshield Mat™ (Alias names: Thermaflect™ Tape, HP Starter Shield™)
Chemical Name: Fibrous Glass
CAS Number: 65997-17-3
Product Use: Thermal Insulation

Manufacturer Information:

Heatshield Products, Inc.
1040 S Andreasen Dr #110
Escondido, CA 92029
Phone: (760) 751-0441
Fax: (760) 755-7328
info@heatshieldproducts.com

SECTION 2: HAZARDS IDENTIFICATION

None present. This is not a hazardous material as defined in the OSHA Hazard Communication Standard

NFPA Ratings:	**Health:**	**1**	**Fire:**	**0**	**Reactivity:**	**0**	**Other:**	**0**
HMIS Ratings:	**Health:**	**1**	**Fire:**	**0**	**Reactivity:**	**0**	**Other:**	**0**

0 = Minimal Hazard 1 = Slight Hazard 2 = Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

CAS#	Component/Ingredient	Percent by Weight
65997-17-3	Fibrous Glass	76

See Section 8 of this MSDS for exposure limit data for these ingredients

SECTION 4: FIRST AID MEASURES

Inhalation: *Remove from further exposure. If Cough or other symptoms develop, seek medical attention.*
Skin Contact: *If skin becomes irritated, do not rub or scratch. Wash the affected area with soap and*

water.
Eye Contact: *If eyes become irritated, flush immediately with lukewarm water for 15 minutes.*
Ingestion: *Drink plenty of water to reduce irritation. If irritation persists, seek medical attention.*

SECTION 5: FIRE FIGHTING MEASURES

Is this product flammable?	No	**Lower Flammability Limit**	Not Available
Flash Point	Not Applicable	**Flammability Classification**	Not Determined
Upper Flammable Limit	Not Applicable	**Explosion Data – Sensitivity to mechanical impact**	Not Available
Auto Ignition Temperature	None	**Explosion Data – Sensitivity to Static discharge**	Not Available
Flash Point Method	Not Applicable	**Hazardous Combustion Products Data**	Not Available

General Fire Hazards: *There is no potential for fire or explosion.*
Extinguishing Media: *Dry chemical, foam, carbon dioxide, and water fog.*
Fire Fighting Instructions: *No special procedures necessary. Use normal fire-fighting procedures.*

SECTION 6: ACTIONS ON INADVERTENT RELEASE

Containment Procedures: *Pick up any large pieces. Use high efficiency vacuum to clean up spilled material. Use wet sweeping where sweeping is necessary. Do not use compressed air for cleanup.*
Clean-Up Procedures: *Collect material and place in a suitable container for disposal as non-hazardous waste.*

SECTION 7: HANDLING AND STORAGE

General Storage: *Use good and safe workplace practices when handling this material.*
Handling: *Handling and use in a manner consistent with good industrial & manufacturing techniques and practices.*
Storage: *Store in un-opened containers under cool and dry conditions.*
Storage Temperature: *Not Determined*
Loading Temperature: *Not Applicable*

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls: If dust is generated, provide local exhaust ventilation to control airborne levels below ACGIH TLV-TWA exposure limit for Particulates Not Otherwise Classified of 10mg/m3 for inhalable particles and 3mg/m3 for respirable.
Personal Protective Equipment:
Eyes and Face: Wear safety glasses with side shields or goggles when handling this material.
Skin: Use appropriate workplace clothing and procedures when using this material
Respiratory: If airborne dust is present, use a NIOSH approved particulate respirator. (3M 8710)
Comments This product contains no known OSHA hazardous ingredients per 29 CFR 1910.1200

Hazardous Ingredients	OSHA PEL	ACGIH TLV	Other
Fibrous Glass (respirable nuisance dust) (NIOSH)	5mg/M^3	10 mg/M^3	3x10(6)/M^3
Continuous glass filament (non respirable)			

Particular care should be taken when working with material that has been in service to minimize dust. If exposure limits are exceeded or if irritation is experienced, approved respiratory protection should be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White/Aluminum	**Odor**	Odorless
Physical State	Fibrous	**pH in water**	Not Applicable
Vapor Density	Not Applicable	**Melting Point**	1200 ° F +
Vapor Pressure	Not Applicable	**Freezing Point**	Not Applicable
Specific Gravity	2.54	**Solubility**	Insoluble
Odor Threshold	Not Applicable	**Boiling Point**	Not Applicable
Evaporation Rate	Not Applicable	**Coefficient of Water/Oil Distribution**	Not Applicable
Break Strength (warp)	350lbs	**After flame**	1 second
Break Strength (fill)	300lbs	**Char Length**	.5"
Tear Strength (warp)	15lbs	**Afterglow**	5 seconds
Tear Strength (fill)	15lbs	**Weight**	32 oz/sqyd

SECTION 10: CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability: *This is a stable material*
Reactivity: *Not reactive.*
Hazardous Decomposition: *Hydrogen Chloride, Carbon Monoxide, Carbon Dioxide*
Incompatible Material: *Strong Oxidizing Agents*
Hazardous Polymerization: *Will not occur*

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:
A) General Product Information: *Dusts may cause mechanical irritation to skin and eyes. Inhalation may cause coughing, nose and throat irritation or sneezing.*
B) Component Analysis:

Component Carcinogenicity: *None known*

Irritancy of the Product:
Acute Inhalation: *Dust from this product may cause mechanical irritation of the nose, throat and respiratory tract.*
Skin Contact*: Dust from this product may cause temporary irritation to the skin.*
Eye Contact: *Dust from this product may cause temporary mechanical irritation to the eyes.*

SECTION 12: ECOLOGICAL INFORMATION

No ecological concerns can be identified with this product

SECTION 13: DISPOSAL CONSIDERATIONS

US EPA Waste Number and Descriptions:
A) General Product Information: *This product is not expected to be a characteristic waste under RCRA.*
B) Component Waste Numbers: *No EPA Numbers are applicable for this product's components.*
Disposal Instructions: *This product can be disposed of in a normal manner. Local regulations may apply.*

SECTION 14: TRANSPORTATION INFORMATION

US DOT Regulations:
Primary Hazard Class / Division: *This product has no classification.*
Other Shipping Information: *Product should remain in a proper container during transportation.*

SECTION 15: REGULATORY INFORMATION

US Federal Regulations:
A) General Product Information: *No additional information available*
B) Component Analysis: *None of the components of this product are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).*

State Regulations:
A) General Product Information: *No Additional Information available.*
B) Component Analysis – State: *The Following Components appear on one or more of the state hazardous substance list:*

Component	CAS#	CA	FL	MA	MN	NJ	PA
Fibrous Glass	65997-17-3	No	No	No	No	No	No

Other Regulations:
A) General Product Information: *No additional Information available.*
***B)* TSCA Status:** *This Product and its components are listed on the TSCA 8(b) inventory. None of the components listed on the TSCA Export Notification 12(b) list.*
C) Component Analysis - Inventory

Component	CAS#	TSCA	DSL	ELNCS
Fibrous Glass	65997-17-3	No	No	No

D) Canada Workplace Hazardous Materials Information System (WHMIS)
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

SECTION 16: OTHER INFORMATION

Disclaimer:

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.