

## MATERIAL SAFETY DATA SHEET

This MSDS complies with 29 CFR 1910.1200

### SECTION 1 - PRODUCT IDENTIFICATION

**PRODUCT** Thermashield HT  
**FINISH** Natural  
**DESCRIPTION** Needled felt

### SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL OR COMMON NAME	MAX. % BY WEIGHT	UN#	CAS#	TLV (SOURCE)	PEL (SOURCE)
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\*The fibers in this product are not considered hazardous. These fibers are classified "non-respirable." The total crystalline content is below the detectable limit.

### SECTION 3 - OTHER INGREDIENTS

ITEMS LISTED IN THIS SECTION ARE EITHER CHEMICALLY OR PHYSICALLY BONDED TO THE FIBROUS GLASS TEXTILE AND ARE DEEMED NON-HAZARDOUS IN THE STATE SUPPLIED.

CHEMICAL AND COMMON NAME	MAX. % BY WEIGHT
Synthetic vitreous fiber based on silicic acid	100.0
Starches, PVA, lubricants, surfactants, and humectants. (i.e. normal textile sizing)	2.0

### SECTION 4 - PHYSICAL DATA

**Specific Gravity:** Approx. 2.6  
**APPEARANCE/PHYSICAL STATE:** White solid

**SOLUBILITY IN WATER:** Negligible

**ODOR:** No distinctive odor

## SECTION 5 - FIRE HAZARD DATA

**FLASH POINT:** Not applicable

**FLAMMABLE LIMITS:** Not applicable

**EXTINGUISHING MEDIA:** Water, dry powder, or foam (needed for packaging only).

**SPECIAL FIRE FIGHTING PROCEDURE:** In any sustained fire, wear self-contained breathing apparatus.

**UNUSUAL FIRE HAZARDS:** In a sustained fire, combustible decomposition products may be released. These products include carbon dioxide, carbon monoxide and low molecular weight hydrocarbons\*\*

## SECTION 6 - REACTIVITY DATA

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS/MATERIALS TO AVOID:** None Known

**HAZARDOUS DECOMPOSITION PRODUCTS:** None generated under normal storage or handling conditions.

## SECTION 7 - HEALTH HAZARD DATA

**POTENTIAL ROUTES OF ENTRY:** Inhalation, skin contact, eyes

**EFFECTS OF OVEREXPOSURE:**

Inhalation: Breathing of fibers or dust may cause mechanical irritation of the mouth, nose, and throat.

Skin: Direct skin contact with the fibers or dust may cause mechanical irritation and transitory dermatitis.

Eyes: Fibers and particles could cause eye irritation.

**Needled mat products may contain broken steel needles, which can cause physical injury.**

**EMERGENCY AND FIRST AID PROCEDURE:**

Inhalation: Move to fresh air area.

Ingestion: Not likely to occur through normal use, should ingestion occur seek medical attention.

Eyes: Flush with flowing water for 15 minutes - seek medical attention

Skin: Flush with ample cool water followed by washing with mild soap to remove accumulated fibers.

**CARCINOGEN:** Not classified as regulated under ACGIH, IARC, NTP, or OSHA.

## SECTION 8 - SPECIAL PROTECTION REQUIRED

Contact with and normal use of this product can result in the creation of airborne particles. Exposure to fibers and particulates made from silicic acid may cause mechanical irritation to the skin, eyes, nose and throat. Typically such irritation occurs to newly exposed individuals, and usually diminishes after several days of exposure.

**RESPIRATORY:** A disposable mask designed for nuisance type dusts is recommended where high dust levels may be encountered.

**VENTILATION:** Normal area ventilation is sufficient in most cases to keep dust and fiber levels to a minimum.

**SKIN:** Barrier creams, gloves, and long sleeve loose fitting clothing may be required for certain workers who have sensitive skin or contact dermatitis. Work clothing should be laundered separately from other clothing before reuse.

**EYE:** Not normally required, but as a good safety work practice, suggest the wearing of appropriate eye protection such as safety glasses/side shields or goggles whenever use of the product releases airborne fibers or particles.

**OTHER:** Observe good personal hygiene.

## SECTION 9 - CONTAINMENT AND DISPOSAL

**CONTAINMENT AND CLEAN UP:** Dust or loose fibers can be vacuumed or swept with the aid of a dust suppressant.

**DISPOSAL:** Dispose according to local, state, and federal laws. This material is not regulated under RCRA hazardous waste regulations.

## SECTION 10 - SPECIAL PRECAUTIONS

**SHIPPING:** Not regulated by DOT; not classified by TDG

**STORAGE:** Store in dry area.

## SECTION 11 - REGULATORY INFORMATION

**EPA, RCRA 40 CFR, Part 261, 1990:** Non-hazardous

**CERCLA:** Not listed

**SARA TITLE III:** Exempt by definition

**PA RIGHT-TO-KNOW:** Less than reportable quantity

**TSCA INVENTORY:** Exempt per section 8(a), 710.2(f), and 704.5(a)

**CA PROPOSITION 65:** Not regulated

**MA RIGHT-TO-KNOW:** Less than reportable quantity

**NJ RIGHT-TO-KNOW:** Less than reportable quantity

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**Technical/Emergency Information:** (336) 545-0011

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