



## THERMASIL NEEDED MAT

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### PRODUCT & COMPANY IDENTIFICATION

**Product Identifier:** TTT-TSM-25, TTT-TSM-12, TTT-TSM-6  
**Common Name:** Thermasil Needle Mat  
**SDS Number:**  
**Revision Date:** 2025  
**Supplier Details:** Thermal Tech & Temp Inc.  
P.O Box 1304  
Crown Point, Indiana 46308  
**Contact:** Thermal Tech & Temp Inc.  
**Phone:** 1.800.674.9284  
**Email:** info@thermaltechtemp.com  
sales@thermaltechtemp.com  
**Website:** www.thermaltechtemp.com

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### HAZARDS IDENTIFICATION

**Classification of Substance:** No classification.  
**GHS Label Elements, Including** This product is an article and therefore it does not require labeling according to EC  
**Precautionary Statements:** directives [REACH/CLP].  
**Hazards not Otherwise Classified** None.  
**(HNOC) or not covered by GHS:**

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### COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Chemical Ingredients	
	%	Chemical Name
65997-17-3		Fibrous Glass

**Fibrous Glass:** (CAS 65997-17-3)  
**Exposure Limits:** OSHA PEL 15 mg/m<sup>3</sup> (total), 5 mg/m<sup>3</sup> (respirable). ACGIH TLV 1/fcc

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## FIRST AID MEASURES

<b>Inhalation:</b>	Ensure a supply of fresh air. In the event of symptoms seek medical treatment.
<b>Skin Contact:</b>	When in contact with the skin, clean with soap and water. Change soaked clothing. Consult a doctor if skin irritation persists.
<b>Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical advice/attention.
<b>Ingestion:</b>	Not applicable.

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## FIRE FIGHTING MEASURES

<b>Flash Point (Method Used):</b>	>250 C by TOC Flammable Limits
<b>Extinguishing Media:</b>	Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.
<b>Special Fire Fighting Procedures:</b>	Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.
<b>Unusual Fire and Explosion Hazards:</b>	Risk of formation of toxic pyrolysis products.

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## ACCIDENTAL RELEASE MEASURES

Avoid dust formation. Use breathing apparatus if exposed to dust.

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## HANDLING AND STORAGE

<b>Handling Precautions:</b>	No special measures are necessary if used correctly. Avoid the formation and deposition of dust. Provide vacuuming if dust is raised. Dust deposits that cannot be avoided must be taken up regularly. With mechanical processing however, fibers can be set free. During mechanical processing vacuuming at processing machines is necessary. Wash hands before and after work. Use barrier skin cream. Take off contaminated clothing and wash before reuse.
<b>Storage Requirements:</b>	No special measures necessary.

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## EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Controls:</b>	Local exhaust; dust collection
<b>Personal Protective Equipment:</b>	<p><b>Eye protection:</b> Safety glasses. (EN 166:2001)</p> <p><b>Hand protection:</b> The details concerned are recommendations. Please contact the glove supplier for further information. Leather (EN 388)</p> <p><b>Skin protection:</b> Long-sleeved work clothes.</p> <p><b>Respiratory protection:</b> Breathing apparatus in the event of high concentrations. Short term: filter apparatus, filter P2 (DIN EN 143)</p> <p><b>Other:</b> Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin. Do not inhale dust. Ensure adequate ventilation on workstation. To pay attention to dust limit value (ACGIH-2011: 10 mg/m<sup>3</sup> particle inhalable; 3 mg/m<sup>3</sup> particle respirable).</p>

Appearance:	Fibrous Matting
Physical States:	Solid
Specific Gravity or Density:	Not determined
Boiling Point:	N/A
Vapor Pressure	N/A
Potential Hydrogenii:	N/A
Odor:	No odor
Solubility:	Insoluble
Freezing or Melting Point:	Not determined
Vapor Density:	N/A

Chemical Stability:	Material is stable
Conditions to Avoid Identification:	None known.
Materials to Avoid Identification:	None known.
Hazardous Decomposition:	None known.
Hazardous Polymerization:	None known.

Contains fibers with a diameter > 6 micrometers. The filament is not breathable (WHO). Fiber abrasion can cause mechanical irritation.

This product is insoluble in water. Can be separated out mechanically in purification plants.

Waste material must be disposed of in accordance with the Directive on waste 2008/90/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste disposal operator. Coordinate disposal with the authorities if necessary. Uncontaminated packaging may be taken for recycling.

None special required.

Component (CAS#) [%] - CODES

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Crystalline Silica (65997-17-3) [n/a%] MASS, NRC, OSHAWAC, PA, TXAIR  
Regulatory CODE Descriptions  
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MASS = MA Massachusetts Hazardous Substances List NJHS =

NRC = Nationally recognized carcinogens

OSHAWAC = OSHA workplace air contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX AIR contaminants with health effect screening level

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