



GHS Safety Data Sheet

Thermal Tech & Temp Inc.

SDS

TTT - TSF - 2

Section 1

PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: TTT - TSF - 2
Common Name: TTT - TSF - 2
SDS Number:
Revision Date: 05/07/2019

Supplier Details: Thermal Tech & Temp Inc.
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Section 2**HAZARD(S) IDENTIFICATION****Emergency Overview**

Breathing dust from this product may cause a scratchy throat, congestion, and slight coughing. Getting dust or fibers on the skin, or in the eyes may cause itching, rash, or redness. All symptoms temporary.

GHS Classification

This product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910,1200)

Observe good industrial hygiene practices. Use with adequate ventilation (mechanical or natural). Wash hands after handling. Avoid generation of dusts. Dispose of waste and residues in accordance with local authority requirements. Fiber dust may cause temporary mechanical irritation.

Section 3**COMPOSITION/INFORMATION OF INGREDIENTS**

Chemical Ingredients		
CAS#	%	Chemical Name
65997-17-3	>99,95%	Fibrous Glass, non respirable
N/A	<0,05%	Organic Surface Binder/Sizing

For this product only textile glass fibers (silicate type) produced in long, continuous filaments (no wool). Due to the manufacturing process used, these fibers have diameters greater than 3.5 micron and considered to be non respirable. (Definition respirable fibers according to NIOSH: Fibers with a diameter lower than 3.5 microns).

Section 4**FIRST AID MEASURES**

Inhalation: Remove to fresh air. Call a physician if symptoms develop or persist.
Skin Contact: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. Seek medical attention if irritation persists or glass fiber becomes embedded
Eye Contact: Do not rub or scratch eyes. Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes with eyelids open.
Ingestion: Rinse mouth with water and drink plenty of water.

Overview: Get medical attention if symptoms occur.

Section 5**FIRE FIGHTING MEASURES****Extinguishing media**

All standard extinguishing media. Use an extinguishing agent suitable for around the fire.

Special hazards arising from the substance or mixture

During fire, small traces of gases hazardous to health may be formed.

Advice for fire-fighters

No special procedures are expected to be necessary for this product. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gasses.

Section 6**ACCIDENTAL RELEASE MEASURES**

- Keep unnecessary and unprotected personnel away. Avoid dust formation.

Clean-Up Procedure:

- Pick up large pieces.
- Vacuum dusts.
- If sweeping is necessary, use a dust suppressant such as water.
- Do not dry sweep -dust accumulation-. Avoid generations of dusts.
- Fibrous glass is generally considered to be an inert solid waste. No special precautions needed in case of release or spill.

Section 7**HANDLING AND STORAGE****Conditions for safe storage, including any incompatibility:**

Avoid generation of dusts. (e.g. ventilation) Eating, drinking and smoking should be prohibited in areas where this material is handled and processed. Warehouse storage should be in accordance with package directions, if any. material should be kept clean and dry.

Section 8**EXPOSURE CONTROL /PERSONAL PROTECTION**

Name	Result	ACGIH	OSHA	NIOSH
Synthetic vitreous fibers	TWA	1 f/cc R 5 mg/m ³ (inhalable)	15 mg/m ³ TD 5 mg/m ³ R (PNOC)	3f/cc (fibers diameter <3.5 µm, length >10 µm)

Exposure Guidelines:

In mechanical handling and processing or in other dust generating work the exposure limits should be monitored and controlled.

Appropriate Engineering Controls:

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limits.

Wear protective gloves or use protective cream, when necessary. Wear suitable protective clothing. When workers are facing airborne particulates/dust concentrations above the exposure limit they must use appropriate certified respirators. A properly fitted NIOSH approved disposable N 95 typer dust respirator or better is recommended. Consult with your company's local procedures for selection, training, inspection, and maintenance of respirators. Otherwise consult NIOSH.

Section 9**PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: White
MELTING / FREEZING POINT: Softening Temperature > 1,472°F
FLASH POINT: c.a. 2,4 g/cm³

Section 10**STABILITY AND REACTIVITY**

Reactivity & Chemical Stability: Product is stable. No decomposition if stored and applied as directed.

Conditions to avoid: At contact with hydrofluoric acid (HF) tetrafluorosilane (SiF₄) may be formed.

Section 11**TOXICOLOGICAL INFORMATION**

Inhalation may cause coughing, nose and throat irritation, and sneezing. people with preexisting respiratory conditions, may experience difficult breathing, congestion and chest tightness. Dusts may cause mechanical irritation of the skin and eyes. Ingestion may cause transient irritation of

throat, stomach and gastrointestinal tract.

There are no known health effects from the long term use or contact with nonrespirable continuous filament fibers. Nonrespirable fibers cannot reach the deep lung because they have a diameter of greater than 3.5 micrometers. Fibers of this diameter cannot penetrate the narrow bending passages of the human respiratory tract to reach the lower regions of the lung and thus, have no possibility of causing serious pulmonary damage. Instead, they deposit on the surfaces of the upper respiratory tract, nose, and pharynx. These fibers are then cleared through normal physiological mechanisms.

Products that are severely mechanically processed during manufacturing or use may contain a very small amount of respirable glass fiber-like fragments. Persistent respirable glass fibers are suspected to cause cancer. NIOSH defines "respirable fibers" as greater than 5 microns in length and less than 3 microns in diameter with an aspect ratio of ≥5:1 (length to width ratio).

The continuous glass fiber glass in the form supplied does not contain respirable fibers.

Epidemiology studies: Two major studies in the US (performed by the Univeristy of Pittsburgh) and Europe (performed by the International Agency for Research on Cancer) showed no increase in lung cancer or respiratory disease among people working in production facilities producing NONRESPIRABLE continuous filament fiberglass. An additional smaller study performed in Canada also did not show an association between exposure of workers to fiber glass and respiratory cancer.

Section 12**ECOLOGICAL INFORMATION**

Not expected to be dangerous to the environment. No ecotoxicity data are available for this product's components.

Section 13**DISPOSAL CONSIDERATIONS**

Observe all federal, state and local regulations when disposing of this substance.

Section 14**TRANSPORTATION INFORMATION**

These products are not classified as dangerous goods according to international transport regulation.

Section 15**REGULATORY INFORMATION**

The regulatory data in this section is not inteded to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA): **All components of this material are either listed or exempt from listing on the TSCA inventory.**

WHMIS Classification: **Not controlled**
 US EPA Tier II Hazards: **N/A**

SARA 311/312 MSDS Distribution - Chemical Inventory - Hazard Identification

Chemical Name	CAS nr.	Acute	Chronic	Fire	Reactive	Pressures
Fibrous glass, continuous filament	65997-17-3	N	Y	N	N	N

Section 16

OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. No guarantee or warranty of any kind, expressed or implied, is made with respect to the contained information. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.