

**SAFETY DATA SHEET**

## SECTION I – Identification

Manufacturer: **THERMO TEC AUTOMOTIVE, INC.**  
Address: P. O. Box 96, Greenwich, OH 44837  
Emergency/Health/Technical phone: 800-274-8437  
Preparation/Revision Date: January 31, 2015  
Product Identifier: **EXHAUST INSULATION WRAP  
Fiberglass Fabric and Tape (Vermiculite coated)**  
Recommended use: Industrial Applications  
Restrictions on use: For recommended use only

## SECTION II – Hazardous Identification

Emergency Overview: Non-Hazardous  
Appearance and Odor: Tan or Black in color in tape or fabric form; no odor.  
Primary Routes of Exposure: Skin, eyes and mouth  
Possible Health Effects:  
Inhalation: Mechanical irritation of the mouth, nose and throat.  
Skin contact: Mechanical irritation to the skin  
Eye contact: Mechanical irritation to the eyes  
Ingestion: Ingestion is not likely.  
Medical Conditions Aggravated by Exposure: Chronic respiratory and skin conditions may temporarily worsen from exposure  
Carcinogenicity: IARC, ACHIH, NTP AND OSHA do not list fiberglass fabrics as a carcinogen  
Chronic Conditions: None known. See Section 11: Toxicological Information

## SECTION III - Composition and Ingredient Information

<u>Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits Recommended</u>	<u>%</u>
Fibrous Glass (CAS #65997-17-3)	15 mg/M <sup>3</sup> (5 mg/M <sup>3</sup> - respirable dust)	10 mg/M <sup>3</sup>	3 fibers/ cc(NIOSH)	>95
Vermiculite, sizings, Binders (CAS not available)	-	-	-	<10

## SECTION IV - First-Aid Measures

Inhalation: Move person to fresh air, rinse mouth and blow nose to expel fibers.  
Skin: Wash with mild soap and running water. Do not rub or scratch affected area.  
Eyes: Flush with flowing water for at least 15 minutes and if symptoms persist, seek medical attention.  
Ingestion: If ingested and gastrointestinal irritation develops seek medical attention.

## SECTION V – Fire-Fighting Measures

Flash Point: N/A  
Flammability classification: Non-flammable  
Unusual Fire and Explosion Hazards: N/A  
Extinguishing Techniques: Use the appropriate technique for surrounding fire - Water, foam, CO2 or dry chemical  
Equipment: Fire fighters should wear full protective gear including NIOSH approved self-contained breathing apparatus.  
Chemical hazards from fire: Fiberglass will not burn. However, thermal decomposition of fiber coatings may produce an irritating mixture of smoke and fumes. It may release carbon monoxide, carbon dioxide, and water.

**SAFETY DATA SHEET**

### SECTION VI - Accidental Release Measures

Emergency procedures: Fiberglass is considered an inert solid waste. Special procedures are not required.

Protective equipment: Wear appropriate personal protective equipment as stated in section VIII. Vacuum up dust, if sweeping is necessary, use a dust suppressant to avoid dust generation.

Proper method of containment and cleanup: Fiberglass is considered an inert solid non-hazardous waste. Dispose in accordance with federal state and local regulations.

### SECTION VII - Handling and Storage

Handling: Avoid prolonged contact with the skin to avoid irritation. Wear PPE as described in Section VIII when necessary. Wash hands and face after handling product and before eating.

Storing: Store away from direct sunlight in an area without excessive humidity to prevent damage to the product and packaging materials. To avoid damaging the material do not double stack.

Incompatibilities: N/A

### SECTION VIII – Exposure Controls and Personal Protection

<u>Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits Recommended</u>	<u>%</u>
Fibrous Glass (CAS #65997-17-3)	15 mg/M <sup>3</sup> (5 mg/M <sup>3</sup> - respirable dust)	10 mg/M <sup>3</sup>	3 fibers/ cc(NIOSH)	>95
Sizings, Binders (CAS not available)	-	-	-	<5

Engineering Controls: N/A

Respiratory Protection: Where dust levels exceed permissible exposure levels, use NIOSH approved respiratory protection for nuisance dust

Ventilation: Local exhaust is recommended to control dust.

Eye Protection: Not required unless fiber levels cause mechanical irritation. Wear safety glasses with side shields/goggles.

Protective Gloves: Wear gloves and use barrier creams, if necessary.

Other Protective Clothing or equipment: Use of long sleeved shirts, buttoned to fit loosely at the neck and wrists, long pants, and good personal hygiene will maximize comfort. Separate contaminated work clothes from street clothes and launder separately.

### SECTION IX - Physical and Chemical Properties

Physical state: Woven, knitted or needled fiberglass material. Color: White to off-white to yellowish

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O=1):	2.5 (+/- 1)
Vapor Pressure (mm Hg):	N/A	Melting Point:	1350° F / 732° C
Vapor Density (Air = 1):	N/A	% Volatile by Volume:	N/A
Evaporation Rate:	N/A	Solubility in Water:	Insoluble

**SAFETY DATA SHEET**

## SECTION X - Stability and Reactivity

Stability:	Stable
Conditions to avoid:	None known
Incompatibility (Materials to avoid):	None known
Odor:	None
Hazardous Decomposition of Byproducts:	Coatings or binders may decompose in a fire. See Section V.
Hazardous Polymerization:	Will not occur

## SECTION XI - Toxicological Information

Routes of Exposure:           Fiberglass is a possible mechanical irritant when in contact with the skin, eyes and mouth.

NOTE: All continuous filament fiberglass used in the manufacture of Thermotex products are greater than the NIOSH limit and are not respirable. NIOSH defines "respirable fibers" as greater than 5 microns in length and less than 3 microns in diameter.

Acute:           NONE:           See Section III for possible mechanical irritation

Chronic:        NONE

Carcinogenic:   NONE:           Studies conducted in the last 10 years have found fiberglass textiles are not considered a human carcinogen by:

IARC	Internal Agency for Research on Cancer
ACGIH	American conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
NTP	National Toxicity Program Annual Report

## SECTION XII - Ecological Information

Data not available. Material not considered harmful to animals, plants or fish

## SECTION XIII - Disposal Considerations

Fiber glass textiles is considered an inert industrial waste. Dispose of according to local, state, or federal regulations

## SECTION XIV - Transport Information

Fiber glass is not considered hazardous

## SECTION XV - Regulatory Information

Fiber glass does not require hazardous product labeling, not regulated for transport.

## SECTION XVI - Other Information

Date of preparation:	13 February 2015
Date of previous revision:	31 January 2010

### DISCLAIMER:

The information presented is a compilation of our data and data from our suppliers. It is believed to be accurate, THERMO TEC AUTOMOTIVE, INC MAKES NO WARRANTY, EXPRESSED OR IMPLIED, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE OR USAGE It is recommended that users confirm the appropriateness of the information presented herein.