

PRODUCT SPECIFICATION SHEET

Product Name: Thermo-Shield Tape

Specifications				
Product:	Haveglas Fiberglass Textiles		Description:	Thermo-Shield
	Aluminum Foil Lamination/PSA Lamination			

I. Composition & Information on Ingredients		
Ingredient(s)	CAS Number	Approx. Percent
Fiberglass	N/A	98%
Aluminum Foil	N/A	1%
Proprietary Adhesive	N/A	1%

II. Hazard Identification
Emergency Overview
Off white or tan colored flexible woven fabric with no odor
Effects of Overexposure
Eye Contact: Slight irritation may be caused in contact with eyes
Skin Contact: Temporary irritation of skin may be produced
Inhalation: Inhalation of airborne fibers may cause irritation to the mouth, nose, and throat.
Ingestion: May cause temporary irritation of the digestive tract, but not an expected route of entry in industrial uses.
Chronic Hazards: There are no known chronic health effects associated with the use of this product under normal working conditions.
Primary routes of entry: Skin contact, inhalation, ingestion, & eye contact
Carcinogenicity Information: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

III. First Aid Information
Eye Contact: Flush eyes immediately with large amounts of water for at least 15 minutes holding eyelids open while flushing. Seek medical attention promptly.
Skin Contact: Wash contaminated skin thoroughly with mild soap and cool water. Seek medical attention if irritation persists.
Inhalation: Remove person from source of exposure and then seek medical attention immediately.
Ingestion: Seek medical attention immediately.

IV. Fire Fighting Measures

Flash Point: N/A

Lower Explosive Limit (%): N/A

Upper Explosive Limit (%): N/A

Auto-Ignition Temperature: Non-Determined

Extinguishing Media: Carbon dioxide, water, foam, or dry chemical as suitable for type of surrounding fire

Unusual Fire & Explosion Hazards: N/A

Fire Fighting Instructions: Wear full fire fighting protective equipment including self-contained breathing apparatus.

V. Accidental Release Measures

Steps to be taken in case material is released or spilled:

Dust or loose fibers can be vacuumed or swept with the aid of a dust suppressant. Dispose according to federal, state, and local environmental regulations.

VI. Handling and Storage

Store material in a clean dry place, and keep container closed.

Particular care should be taken when working with "used" material to minimize dust. If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn.

VII. Exposure Controls and Personal Protection

Engineering Controls

Ventilation: General ventilation and/or local exhaust ventilation should be utilized to maintain exposures below the Threshold Limit Value (TLV).

Respiratory Protection: Use an approved disposable dust respirator designed for nuisance type dusts.

Eye Protection: Safety glasses with side shields or chemical splash goggles must be worn to prevent eye contact. A good safety practice is to have an eyewash station readily available near the work area.

Protective Clothing: Wear rubber gloves when handling this product. Personnel that are more susceptible to irritation from fibers or dusts should wear full-body coveralls.

Hygienic Practices: Use good personal hygiene practices. The use of protective creams before handling the material may prove beneficial.

Exposure Limits

Fiberglass

PEL (OSHA) 5 mg/m³ (respirable), 15 mg/m³ (total)

TLV (ACGIH) 5 mg/m³ (able to inhale)

NIOSH 5 mg/m³ (total), 3 fibers/cm³ (fibers ≤ 3.5 μm in diameter and ≥ 10 μm in length)

VIII. Physical and Chemical Properties

Physical Data

Softening Point	1555°F
Melting Point	2075°F
Solubility in Water	Negligible
Vapor Pressure	Non-Determined
Vapor Density	Non-Determined
Specific Gravity	2.5
Color:	Off-white or tan colored
Odor	None
Physical State	Woven fabric

IX. Stability and Reactivity

Chemical Stability	Product is stable at normal temperature and storage conditions
Incompatibilities	Phosphoric acid, hydrofluoric acid, and strong hydroxides
Hazardous Polymerization	Hazardous polymerization will not occur under normal conditions
Hazardous Decomposition Products	N/A
Vapor Density	Non-Determined
Specific Gravity	2.5
Color:	Off-white or tan colored
Odor	None
Physical State	Woven fabric

X. Toxicological Information

Industry studies have shown textile grade fiberglass to be a non-carcinogen.

XI. Ecological Information

No information is available; however, toxicity is expected to be low based on the insolubility in water of the product.

XII. Disposal Considerations

Dispose of waste material in accordance with applicable federal, state, and local environmental regulations.

XIII. Transportation Information

DOT Proper Shipping Name: Haveglas Fiberglass

DOT Hazardous Class: None

DOT UN/NA Number: None

Emergency Response Guide Number: None

XIV. Regularity Information

U.S Federal Regulations As Follows:

SARA Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372

TSCA: The chemical substances in this product are exempt from the TSCA Section 8 Inventory per Section 8(a). 710.2(f), and 704.5(a).

Export Notification: None

International Regulations As Follows:

Canadian WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

Canadian WHMIS Class: Not Regulated

DSL: The chemical substances in this product are listed on the Domestic Substances List (DSL).

The above information is believed to be accurate based on the most current data available. Ametek makes no warranty, either expressed or implied, with respect to such information, and assumes no liability resulting from its use. Users are advised to conduct their own tests to determine the safety and suitability of each product or product combination for their own purposes. Ametek shall not be liable for any claims, losses, or damages of any third party or for lost profits or incidental or consequential damages, howsoever arising even if Ametek has been advised of the possibility of such damages.