
SECTION I - PRODUCTION IDENTIFICATION

NEELED FIBERGLASS MAT

SUPPLIER:

NEWTEX INDUSTRIES, INC.
8050 Victor-Mendon Road
Victor, New York 14564
(585) 924-9135

SECTION II - INGREDIENTS

The above products are considered "articles" according to OSHA Hazard Communication Standard 29 CFR 1910.1200 and, as such, are exempt from the Material Safety Data Sheet provisions of 29 CFR 1910.1200(G)(6). As a service to the customer, Newtex Industries Inc. has prepared this Material Safety Data Sheet to provide appropriate safety and handling information. These products are considered non-hazardous when used according to accepted practices for the intended use.

<u>COMMON NAME:</u>	<u>CHEMICAL NAME:</u>	<u>CAS No.</u>	<u>WT.%</u>
Continuous Filament Fiber Glass (non-respirable)	Fibrous Glass	65997-17-3	98.7%
- Non-respirable filaments and particulate			>98%
- Respirable particulate			<1%
- Respirable particulate with fiber-like dimensions (glass shards)			<0.002%
Size	Size	mixture	<3.0%

SECTION III - HAZARD IDENTIFICATION

Emergency Overview

No unusual conditions are expected from this product.
Fiberglass may cause mechanical irritation to the skin, eye, and upper respiratory tract.

PRIMARY ROUTES OF ENTRY:

Inhalation: No effects are known to be associated with the inhalation of vapors from this material. Breathing dusts and fibers may cause short-term mechanical

- irritation of the nose, throat and upper respiratory tract.
- Skin: Direct skin contact with fibrous glass or its dust may cause mechanical irritation and transitory dermatitis.
- Eyes: May cause a physical irritation to the eye.
- Ingestion: Although not likely to occur in industrial applications, accidental ingestion may cause irritation of the mouth and gastrointestinal tract.

CHRONIC HEALTH EFFECTS:

There is no known chronic health effects associated with long term use or contact with this product. As manufactured, NEEDLED FIBERGLASS MAT is non-respirable. Non-respirable fibers cannot reach the deep lung, because they have a diameter of greater than 3.5 microns. 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. Chopped, crushed or severely mechanically processed fiberglass may contain a very small amount of respirable fibers that could reach the deep lung. The measured airborne concentration of these respirable fibers in areas where severe processing of fiberglass occurred has been shown to be extremely low and well below the TLV. NEEDLED FIBERGLASS MAT in the form supplied does not contain respirable fibers.

CARCINOGENICITY: Not listed under IARC, NTR, or OSHA. Industry studies have shown textile grade fibrous glass to be a non-carcinogen.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Respiratory or skin conditions that are aggravated by mechanical irritants may be at an increased risk for worsening from exposure to this product.

SECTION IV – FIRST AID

- INHALATION: Move the person to fresh air. Seek medical attention if irritation persists.
- SKIN: Wash any material off skin with mild soap and cool water. Do not rub or scratch irritated areas. This may force fibers into the skin. Seek medical attention if irritation persists.
- EYES: Flush with water for at least 15 minutes. Seek medical attention if irritation persists.
- INGESTION: Not expected to occur through normal use.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

- FLASH POINT (METHOD USED):** N/A
- FLAMMABLE LIMIT:** N/A
- AUTO IGNITION TEMPERATURE:** N/A
- UNUSUAL FIRE HAZARDS:** In a sustained fire, combustible decomposition products may be released.
- EXTINGUISHING MEDIA:** Fiberglass will not support combustion. Water, dry powder or foam (needed for packaging only).



MATERIAL SAFETY DATA SHEET

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SPECIAL FIRE FIGHTING PROCEDURES: None needed
 HAZARDOUS COMBUSTION PRODUCTS: None

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- Land Spill: Material is a solid. Pick up the larger pieces and wet sweep or vacuum up any scrapes. Place in a suitable container for disposal as a non-hazardous waste.
- Water Spill: This material will sink and disperse along the bottom of waterways and ponds. Large pieces should be removed and placed in a suitable container for disposal. Smaller pieces cannot be easily removed after it is waterborne; however, the material is non-hazardous in water.
- Air Release: The material will settle out of the air where it can be cleaned as a land spill.

SECTION VII – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: For maximum comfort, avoid excessive contact with skin and use good personal hygiene.

OTHER PRECAUTIONS: If excessive dust is generated, use a respirator approved by NIOSH for dust. This material is not an electrical conductor and may accumulate static charge.

STORAGE TEMPERATURE: N/A

STORAGE PRESSURE: N/A

GENERAL: No special storage procedures are required for this material.

SECTION VIII – EXPOSURE CONTROL/ PERSONAL PROTECTION

EXPOSURE LIMITS:

<u>COMMON NAME:</u>	<u>OSHA PEL</u> 8-hr TWA	<u>ACGIH TLV</u> 8-hr TWA
Continuous Filament Fiber Glass (non-respirable)		
- Non-respirable filaments and particulate	15 mg/m ³ (total dust)	5 mg/m ³ (inhalable fraction)
- Respirable particulate	5 mg/m ³	5 mg/m ³
Size	None Established	None Established

OSHA = Occupational Safety and Health Administration; ACGIH = American Conference of Governmental Industrial Hygienists; PEL = Permissible Exposure Limits.

VENTILATION: Normal area ventilation is sufficient in most cases to keep dust and fiber levels below the TLV or PEL.

RESPIRATORY PROTECTION: If the use or manufacturing of this product generates high dust levels, the level of glass fibers in the air exceeds the occupational exposure limits, or if irritation occurs, use a properly fitted respirator designed for nuisance type dust.

PROTECTIVE GLOVES: Not required, but gloves and barrier creams can be used to protect against mechanical irritation of the hands.

EYE PROTECTION: As general good practice, safety glasses with side shields should be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required. Good personal hygiene, barrier creams, caps, coveralls, loose fitting long sleeve shirt that covers to the base of the neck and long pants will maximize comfort.

WORK HYGIENIC PRACTICES: Handle using good industrial hygiene and safety practices. Wash thoroughly with mild soap and cool water after handling of the material. Remove material from clothing using vacuum equipment (never used compressed air). Keep the work area clean of dusts and fibers released during processing or fabrication. Use vacuum equipment to clean up product. Avoid dry sweeping or using compressed air as these techniques re-suspend dusts and fibers into the air. Have access to a shower and eye wash station.

SECTION IX - PHYSICAL DATA

BOILING POINT:	Not Applicable
FREEZING POINT:	Not Applicable
SPECIFIC GRAVITY RANGE (H₂O=1):	2.5
pH:	Not Applicable
VISCOSITY:	Not Applicable
SOLUBILITY IN WATER:	Negligible
PERCENT VOLATILE BY VOLUME:	None
PHYSICAL STATE:	Solid
APPEARANCE:	White fibers needled together into a mat product
ODOR:	No distinctive odor

SECTION X - REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	None known
INCOMPATIBILITY:	None known
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Fiberglass will not burn, but smoking of the mat product may occur at approximately 400-500°F (200-260°C) due to decomposition of the size. In a sustained fire, the size will decompose releasing minor quantities of decomposition



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HAZARDOUS POLYMERIZATION: products believed to be insufficient to be harmful.
Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION

CARCINOGENICITY: The table below indicates whether or not each agency has listed each ingredient as a carcinogen.

INGREDIENT	ACGIH	IARC	NTP	OSHA	97/69/EC
Continuous Filament Fiber Glass including - Non-respirable glass particulate - Respirable glass particulate - Respirable particulate with fiber-like dimensions (glass shards)	A4	3	No	No	No
Size	No	No	No	No	No

ACGIH - A4: Not Classifiable as a Human Carcinogen; IARC – 3: Not Classifiable with respect to Human Carcinogenicity.

The International Agency for Research on Cancer (IARC) in June, 1987 categorized fiber glass continuous filament as not classifiable with respect to human carcinogenicity (Group 3).

The American Conference of Governmental Industrial Hygienists (ACGIH) A4 classification, not classifiable as a human carcinogen, for respirable continuous filament glass fiber is based on inadequate data in terms of its carcinogenicity in humans and/or animals.

EPIDEMIOLOGY STUDIES: Two major studies, one in the US performed by the University of Pittsburgh and one in Europe performed by the International Agency for Research on Cancer showed no increase in lung cancer or respiratory disease among people working in fiber glass production facilities. An additional smaller study performed in Canada also did not show an association between exposure of workers to fiber glass and respiratory cancer.

SECTION XII - ECOLOGICAL INFORMATION

Fiberglass is generally considered to be an inert solid waste. This material is not expected to cause harm to animals, plants or fish. No special precautions are needed in case of a release or spill.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with federal, state, provincial and local environmental control regulations. Dispose of as any other innocuous material. Product is not a hazardous waste under RCRA 40 CFR 261.