

---

---

**SECTION I – PRODUCTION IDENTIFICATION**

---

---

**REWETTABLE PRODUCTS****MANUFACTURER:**

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 Fiberglass (non respirable)	Fibrous Glass	65997-17-3	55-65%
- Non-respirable filaments and particulate			>98%
- Respirable particulate			<1%
- Respirable particulate with fiber-like dimensions (glass shards)			<0.002%
Rewettable	Mixture		35-45%
Kaolin Clay		1332.58-7	~60%
Bentonite		1302-78-9	~39%
Crystalline Silica as Quartz		14808-60-7	2-6%
Sodium Hexametaphosphate		10124-56-8	<1%

---

---

**SECTION III - HAZARD IDENTIFICATION**

---

---

**Emergency Overview**

No unusual conditions are expected from this product.  
The hazards of this product are associated mainly with its processing.

**PRIMARY ROUTES OF ENTRY:**

- Inhalation: Processing REWETTABLE products can release respirable dust and fiber particulates. Prolonged inhalation of respirable dust and particulates at high concentrations can aggravate pre-existing respiratory conditions and may cause lung damage.
- Skin: Prolonged or repeated exposure may cause skin irritation. Possible drying of skin resulting in dermatitis.
- Eyes: Product may produce irritation upon contact with the eye.
- Ingestion: Although not likely to occur, 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.

**CARCINOGENICITY:** This product is not a known 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: If processing dust is inhaled, move the person to fresh air. Seek medical attention.
- SKIN: Wash with soap and 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. Should ingestion take place, the person should be watched for several days to ensure intestinal blockage does not occur.

---

---

**SECTION V - FIRE AND EXPLOSION HAZARD DATA**

---

---

- FLASH POINT (METHOD USED):** N/A
- FLAMMABLE LIMIT:** LEL: N/A UEL: N/A
- AUTO IGNITION TEMPERATURE:** N/A
- UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** None
- EXTINGUISHING MEDIA:** In a sustained fire use an extinguisher appropriate for surrounding fire. Product becomes slippery when wet.
- SPECIAL FIRE FIGHTING PROCEDURES:** Fabric itself will not support combustion, but in a sustained fire, proper protection against products of combustion must be worn. Use self-contained breathing apparatus (SCBA) and full bunker turnout gear in a sustained fire.
- HAZARDOUS COMBUSTION PRODUCTS:** Not available.

**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. Product is slippery when wet.
- Air Release: Dust from product will settle out and 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. Avoid dust formation and accumulation. Exposure to fiber fly and dust should be avoided by ventilation and/or vacuum cleaning.

**OTHER PRECAUTIONS:** If excessive dust is generated, use a respirator approved by NIOSH for dust.

**STORAGE TEMPERATURE:** Cool, dry location recommended.

**STORAGE PRESSURE:** N/A

**SECTION VIII – EXPOSURE CONTROL/ PERSONAL PROTECTION****EXPOSURE LIMITS:**

COMMON NAME	OSHA PEL 8-hr TWA	ACGIH TLV 8-hr TWA
Continuous Filament Fiber Glass (non-respirable) - Non-respirable filaments and particulate	15mg/m <sup>3</sup> (total dust)	5mg/m <sup>3</sup> (inhalable fraction)
- Respirable particulate	5mg/m <sup>3</sup> (respirable dust)	3mg/m <sup>3</sup> (PNOC)
- Respirable particulate with fiber-like dimensions (glass shards)	None Established	1 fiber/cc aspect ratio >5:1
Rewettable - Kaolin Clay	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	2 mg/m <sup>3</sup> (respirable)
- Bentonite	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	None Established
Crystalline Silica as Quartz	10 mg/m <sup>3</sup> (respirable)	0.025 mg/m <sup>3</sup>



## MATERIAL SAFETY DATA SHEET

# MSDS053

OSHA = Occupational Safety and Health Administration

ACGIH = American Conference of Governmental Industrial Hygienists

PEL = Permissible Exposure Limits

TLV = Threshold Limit Value

**VENTILATION:** Use local exhaust or general room dilution to maintain employee exposures below occupational exposure limits. Recirculated air should be filtered to remove respirable dust.

Provide for appropriate exhaust ventilation and dust collection at machinery.

**RESPIRATORY PROTECTION:** If the use or manufacturing of this product generates dust concentrations above the exposure limit, appropriate certified respirators must be used.

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

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

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None required. Good personal hygiene 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. Keep the work area clean of dusts and fibers released during processing or fabrication.

---

---

### SECTION IX - PHYSICAL DATA

---

---

BOILING POINT:	Not Applicable
MELTING POINT:	>1000°F
FREEZING POINT:	Not Applicable
SPECIFIC GRAVITY RANGE (H <sub>2</sub> O=1):	Not Available
pH:	Not Applicable
VISCOSITY:	Not Applicable
SOLUBILITY IN WATER:	Insoluble
PERCENT VOLATILE BY VOLUME:	None
VAPOR DENSITY (Air=1):	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable
EVAPORATION RATE (Butyl Acetate=1):	Not Applicable
PHYSICAL STATE:	Solid
APPEARANCE AND ODOR:	Woven fabric coated with grey coating; odorless.

---

---

### SECTION X - REACTIVITY DATA

---

---

STABILITY:	Stable
CONDITIONS TO AVOID:	None known
INCOMPATIBILITY:	None known
HAZARDOUS DECOMPOSITION / BYPRODUCTS:	No hazardous decomposition or by-products expected. Inert and nonreactive.
HAZARDOUS POLYMERIZATION:	Will not occur

Newtex Industries, Inc. - 8050 Victor-Mendon Rd., Victor, NY 14564-9109, Phone (585) 924-9135, Fax (585) 924-4645

E-Mail: [sales@newtex.com](mailto:sales@newtex.com); Internet address: [www.newtex.com](http://www.newtex.com)

Revision #4

Last Modified on 01/14/10 4:00 PM

Approved by Laura Pritchard

Page 4 of 7

**SECTION XI - TOXICOLOGICAL INFORMATION**

**KAOLIN:** Published literature suggests that extremely high exposures to kaolin dust over a prolonged period of time can lead to a low category pneumoconiosis (with little respiratory disability) in a small number of workers. Excessive exposure to any dust may aggravate pre-existing respiratory conditions.

**CRYSTALLINE SILICA:** Overexposure to respirable crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis. "Inhalable" crystalline silica (quartz) is listed by IARC as a Group I carcinogen (lung) based on "sufficient evidence" in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Some studies have not demonstrated a cancer association and considerable controversy exists concerning the IARC and NTP classification. Excessive exposure to any dust may aggravate pre-existing respiratory conditions.

**CARCINOGENICITY:** Bentonite is not listed by ACGIH, IARC, NTP or OSHA. IARC, 1997, concludes that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica from occupational sources (IARC Class 1), that carcinogenicity was not detected in all industrial circumstances studied and that carcinogenicity may depend on characteristics of the crystalline silica or on external factors affecting its biological activity. NTP classifies respirable crystalline silica as "known to be a human carcinogen" (NTP 9th Report on Carcinogens – 2000). ACGIH classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

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

<u>INGREDIENT</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>	<u>97/69/EC</u>
Continuous Filament Fiber Glass including					
- Non-respirable glass particulate					
- Respirable glass particulate	A4	3	No	No	No
- Respirable particulate with fiber-like dimensions (glass shards)					
Kaolin Clay	No	No	No		
Bentonite	No	No	No	No	
Crystalline Silica as Quartz	A2	1	Yes		

ACGIH: A2 – suspected human carcinogen; A4 - Not classifiable as a human carcinogen

IARC: 1 - substance is carcinogenic to humans; 3 – substance is not classifiable as carcinogenic to humans



# MATERIAL SAFETY DATA SHEET

# MSDS053

ORAL LD-50: Acute:

Sodium Hexametaphosphate: 6200 mg/kg (rat)  
4320 mg/kg (mouse)  
3053 mg/kg (rate)

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.

MUTAGENICITY: None Known  
TERATOGENICITY: None Known  
REPRODUCTIVE EFFECTS: None Known

---

---

## SECTION XII - ECOLOGICAL INFORMATION

---

---

This product has no known eco-toxicological effects. It is 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: Can be land filled or incinerated in compliance 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.

---

---

## SECTION XIV - TRANSPORTATION INFORMATION

---

---

DOT CLASSIFICATION (USA): Not a DOT controlled material  
HAZARD CLASS: N/A  
HAZARDOUS SUBSTANCE: N/A  
CAUTION LABELING: N/A  
EPA WASTE NUMBER: Not Regulated

### TRANSPORTATION OF DANGEROUS GOODS (CANADA)

DOT SHIPPING NAMES: Not regulated  
TDG HAZARD CLASSIFICATION  
PRIMARY: None  
IMO CLASSIFICATION: None

Newtex Industries, Inc. - 8050 Victor-Mendon Rd., Victor, NY 14564-9109, Phone (585) 924-9135, Fax (585) 924-4645

E-Mail: [sales@newtex.com](mailto:sales@newtex.com); Internet address: [www.newtex.com](http://www.newtex.com)

