



Nextel 312 Ceramic Fabric Products

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 4/19/18 Date of Issue: 4/19/18

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Article

Product Name: Nextel 312 Ceramic Fabric Products

Synonyms: Ceramic Fiber Textile

1.2. Intended Use of the Product

Use of the Substance/Mixture: Ceramic fiber

1.3. Name, Address, and Telephone of the Responsible Party

Company

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

1.4. Emergency Telephone Number

Emergency Number : 1-800-836-1001

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label Elements

GHS-US Labeling

Not applicable.

2.3. Other Hazards

Not applicable.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product Identifier	%
Aluminoborosilicate Fibers	(CAS No) 12788-79-3	95 - 100
Organic Sizing	Trade Secret	0 - 5

Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions. This mixture is considered an article in its final form.

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: The need for first aid is not anticipated under normal conditions of use.

First-aid Measures After Inhalation: No need for first aid is anticipated.

First-aid Measures After Skin Contact: Wash with soap and water. If signs/symptoms develop, get medical attention.

First-aid Measures After Eye Contact: Flush with large amounts of water. Remove contact lenses if easy to do so. Continue rinsing. If signs/symptoms persist, get medical attention.

First-aid Measures After Ingestion: Rinse mouth. If you feel unwell, get medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

See Section 11.1. Information on toxicological effects.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Not applicable.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Non-combustible. Use a fire fighting agent suitable for surrounding fire.

Unsuitable Extinguishing Media: None known.

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5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Product is not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any fire.

Firefighting Instructions: Use firefighting measures appropriate for the surrounding fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Accidental release of the product does not present a hazard under normal conditions of use.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use of personal protective equipment (PPE) is not generally required but should be evaluated based on the extent and severity of accidental release. Use air purifying respirator if airborne dust presents.

Emergency Procedures: Evacuate the area if accidental release presents a significant hazard.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection as conditions warrant.

Emergency Procedures: Upon arrival at the scene a first responder is expected to protect oneself and the public, secure the area, and call for the assistance of trained personnel as conditions permit.

6.2. Environmental Precautions

Do not release the material to sewers or drains.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain the product and collect as any solid.

Methods for Cleaning Up: Sweep up.

6.4. Reference to Other Sections

See Section 8 for advice on personal protective equipment and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Further processing of the product requires an evaluation of potential hazards based upon intended use.

Precautions for Safe Handling: Avoid skin contact with hot material. For industrial or professional use only.

Hygiene Measures: Frequently clean the work area with HEPA filtered vacuum or wet sweeping to minimize accumulation of debris. Do not use compressed air for clean-up.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: No technical measures are necessary for storage of the product.

Storage Conditions: Store in original container in dry area. Keep container close when not in use.

Incompatible Products: None known under normal conditions.

7.3. Specific End Use(s)

No use is specified

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Ingredient	CAS No.	Agency	Limit Type	Additional Comments
Organic Sizing	Trade Secret	American Indust. Hygiene	TWA (as particulate): 10 mg/m3	

8.2. Exposure Controls

Appropriate Engineering Controls : Not applicable.

Personal Protective Equipment : Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection is recommended: safety glasses with side shields. No chemical protective gloves are required.

Respiratory Protection : Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. Wear heat insulating gloves when handling hot material to prevent thermal burns.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Shiny, white
Odor	: Odorless
Odor Threshold	: No data available
pH	: Not applicable
Evaporation Rate	: Not applicable
Melting Point	: 3272 °F
Freezing Point	: Not applicable
Boiling Point	: Not applicable
Flash Point	: No flash point
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not classified
Vapor Pressure	: Not applicable
Relative Vapor Density at 20°C	: Not applicable
Density	: 2.70 – 3.05 g/cm ³
Specific Gravity	: 2.70 – 3.05
Solubility	: Insoluble
Partition Coefficient: N-Octanol/Water	: Not applicable
Viscosity	: Not applicable

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** This material is considered to be non-reactive under normal conditions.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions.
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** None known.
- 10.5. **Incompatible Materials:** None known.
- 10.6. **Hazardous Decomposition Products:** At elevated temperatures, CO and irritant vapors or gases.

SECTION 11: TOXICOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological Effects

Acute Toxicity:

Name	Route	Species	Value
Organic Sizing	Dermal	Rabbit	LD50 > 20,000 mg/kg
Organic Sizing	Ingestion	Rat	LD50 32,770 mg/kg

Skin Corrosion/Irritation:

Name	Species	Value
Organic Sizing	Rabbit	Minimal irritation

Serious Eye Damage/Irritation:

Name	Species	Value
Organic Sizing	Rabbit	Mild irritant

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Due to their large size (7-15 microns in diameter), Nextel(TM) Ceramic Fibers do not meet the definition of respirable as defined by WHO convention and ECHA. Because Nextel fibers are considered non-respirable, they are not expected to pose a cancer risk.

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Reproductive Toxicity:

Name	Route	Value	Species	Test Result	Exposure Duration
Organic Sizing	Ingestion	Not toxic to female reproduction	Rat	NOAEL 1,125 mg/kg/day	During gestation
Organic Sizing	Ingestion	Not toxic to male reproduction	Rat	NOAEL 5699 ± 1341 mg/kg/day	5 days
Organic Sizing	Not Specified	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL N/A	
Organic Sizing	Ingestion	Some positive developmental data exist, but the data are not sufficient for classification	Mouse	NOAEL 562 mg/animal/day	During gestation

Specific Target Organ Toxicity (Single Exposure):

Name	Route	Target Organ	Value	Species	Test Result	Exposure Duration
Organic Sizing	Inhalation	Respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1.008 mg/l	2 weeks

Specific Target Organ Toxicity (Repeated Exposure):

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Organic Sizing	Inhalation	Respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1.008 mg/l	2 weeks
Organic Sizing	Ingestion	Kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 5,640 mg/kg/day	13 weeks
Organic Sizing	Ingestion	Heart, endocrine system, hematopoietic system, liver, nervous system	All data are negative	Rat	NOAEL 5,640 mg/kg/day	13 weeks

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: No health effects are expected.

Symptoms/Injuries After Skin Contact: Mechanical skin irritation: signs/symptoms may include abrasion, redness, pain and itching.

Symptoms/Injuries After Eye Contact: Mechanical eye irritation: signs/symptoms may include pain, redness, tearing and corneal abrasion.

Symptoms/Injuries After Ingestion: Physical blockage: signs/symptoms may include cramping, abdominal pain, and constipation.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1. Toxicity:** Not an environmental hazard.
- 12.2. Persistence and Degradability:** Not degradable.
- 12.3. Bioaccumulative Potential:** Not applicable.
- 12.4. Mobility in Soil:** No mobility in soil.
- 12.5. Other Adverse Effects:** Not applicable.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with the local/regional/national/international regulations.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

311/312 Hazard Categories

Fire Hazard – No Pressure Hazard – No Reactivity Hazard – No Immediate Hazard – No Delayed Hazard – No

15.2. US State Regulations

Contact supplier for more information.

15.3 Chemical Inventories

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

15.4 International Regulations

Contact supplier for more information.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date

: 4/19/18

Other Information

: This Safety Data Sheet was prepared in accordance with OSHA 1910.1200 Hazard Communication Standard (HCS 2012).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)