

# SIMOND STORE

11521 Allen A Brown Rd,  
Charlotte, NC 28269, USA

## Material Safety Data Sheet

### ALUMINUM FOIL FACED CERAMIC FIBER BLANKET MSDS

#### Section 1: Identification of The Substance/Preparation of The Company /Undertaking

**Product Name** : Aluminum Foil Faced Ceramic Fiber Blanket

**Contact Information:**

**Other Name** : Vitreous Aluminosilicate Fiber

**Simond Store**

**Synonyms** : RCF, Ceramic Fiber, Synthetic vitreous fiber (SVF),  
Manmade vitreous Fiber(MMVF), Manmade mineral Fiber  
(MMMMF)

11521 Allen A Brown Road,

**Manufacturer** : Simond Fibertech Limited,

Charlotte, NC 28269

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US Sales: **1-469-579-8600**

Order Online : [simondstore.com](http://simondstore.com)

Emergency Call : **1-469-579-8600**

#### Section 2: Composition and Information on Ingredients

##### Composition:

| Name   | CAS#        | % by Weight |
|--|-------------|-------------|
| Refractories, Fibers, Aluminosilicate                | 142844-00-6 | 80-100      |
| Refractories, Fibers, Aluminosilicate(with Zirconia) | 142844-00-6 | 0-20        |

#### Section 3: Hazards Identification

- May cause temporary, mild mechanical irritation to eyes, skin, nose, and throat.
- Pre-existing skin & respiratory conditions may be aggravated by exposure.

#### Section 4: First Aid Measures

##### Eye Contact:

If eyes become irritated, wash immediately with large amount of lukewarm water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Do not rub eyes, if irritation persists seek medical advice.

##### Skin Contact:

Wash with soap and water, using a skin cream or lotion after washing may be helpful. Change into clean clothing. if irritation persist seek medical advice

**Ingestion:** Relocate affected individual to an environment to clean and fresh air, Drink plenty of water seek medical help if symptoms persist.

**Inhalation:** Remove affected individuals to a dust free place, seek medical help if irritation persist.

**\*\* If any of the symptoms persist, seek medical attention\*\***

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## Section 5: Fire –Fighting Measures

This product is not combustible or explosive as received. It is compatible with standard firefighting methods

## Section 6: Accidental Release Measures

Avoid creating airborne dust. Maintain routine housecleaning procedures. Vacuum only with HEPA filtered equipment, if sweeping is necessary, use a dust suppressant and keep material in closed containers. Do not use compressed air for cleanup. Workers should wear gloves, goggles and approved respirator. Avoid cleanup procedures that could cause water pollution

## Section 7: Handling and Storage

### Handling:

Handle ceramic fiber carefully. Limit use of power tools unless in conjunction with local exhaust. Use hand tools whenever possible. Frequently clean the work area with HEPA filtered vacuum or wet sweeping to minimize the accumulation of debris. Do not use compressed air for clean-up.

### Storage:

Store in original container in a dry area. Keep container closed when not in use.

**Empty containers:** Product packaging may contain residue. Do not reuse.

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Use sufficient ventilation to keep employee exposure below recommended limits. During tear outs, use engineering controls such as local exhaust ventilation, point of generation dust collection, down draft work stations, emission controlling tool designs and materials handling equipment designed to minimize airborne fiber and dust emissions.

### Personal Protection:

**Eye:** Wear safety glasses with side shields or other forms of eye protection in compliance with appropriate OSHA standards to prevent eye irritation. The use of contact lenses is not recommended, unless used in conjunction with appropriate eye protection. Do not touch eyes with soiled body parts or materials. If possible, have eye-washing facilities readily available where eye irritation can occur.

**Skin:** Wear gloves, head coverings and full body clothing as necessary to prevent skin irritation. Washable or disposable clothing may be used. If possible, do not take unwashed clothing home. If soiled work clothing must be taken home, employers should ensure employees are thoroughly trained on the best practices to minimize non-work dust exposure (e.g., vacuum clothes before leaving the work area, wash work clothing separately, rinse washer before washing other household clothes, etc.).

**Hand:** Industrial gloves are recommended

**Respiratory:** Use appropriate respiratory protection device consult the local regulation. Maintain adequate ventilation as long as handling

## Section 9: Physical and Chemical Properties

**Odor and Appearance:** White, Odorless, fibrous material

**Chemical Family:** Vitreous Aluminosilicate Fibers

**Boiling Point:** Not Applicable

**Water Solubility (%):** Not soluble in water

**Melting Point:** 1760°C (3200°F)

**Specific Gravity:** 2.50 – 2.75

**Vapor Pressure:** Not Applicable

**pH:** Not Applicable

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Vapor Density (Air = 1): Not Applicable  
% Volatile: Not Applicable  
Molecular Formula: Not Applicable

## Section 10: Stability and Reactivity Data

Chemical Stability: Stable under conditions of normal use.  
Incompatibility: Soluble in hydrochloric acid, phosphoric acid and concentrated alkali  
Conditions to Avoid: None  
Hazardous Decomposition Product: Not Applicable  
Hazardous Polymerization: Not Applicable

## Section 11: Toxicological Information

Epidemiological studies conducted by institution of human environment protection in China has provided no evidence that there is a direct cause-and effect relationship between cumulative exposure to aluminosilicate fibers and lung cancers or particular pulmonary diseases. However recent toxicological experiments using physiological exposure method (inhalation) have produced findings of respiratory disease in rodents, Aluminosilicate refractory fiber has found to be a rodent carcinogen under the conditions that the rodents are exposed to high levels of the material (75—115fibers/cc) on a basis of lifetime duration.

## Section 12: Ecological Information

No ecological concerns have been identified.

## Section 13: Disposal Considerations

**Waste Management:** To prevent waste materials from becoming airborne during waste storage, transportation and disposal, a covered container or plastic bagging is recommended.

**Disposal:** RCF, as manufactured, is not classified as a hazardous waste according to Federal regulations (40 CFR 261). Any processing, use, alteration or chemical additions to the product, as purchased, may alter the disposal requirements. Under Federal regulations, it is the waste generator's responsibility to properly characterize a waste material, to determine if it is a "hazardous" waste. Check local, regional, state or provincial regulations to identify all applicable disposal requirements.

## Section 14: Transport Information

### U.S. DEPARTMENT OF TRANSPORTATION (DOT)

|               |                |                             |                |
|---------------|----------------|-----------------------------|----------------|
| Hazard Class: | Not Regulated  | United Nations (UN) Number: | Not Applicable |
| Labels:       | Not Applicable | North America (NA) Number:  | Not Applicable |
| Placards:     | Not Applicable | Bill of Lading:             | Product Name   |

### INTERNATIONAL

Canadian TDG Hazard Class & PIN: Not regulated  
Not classified as dangerous goods under ADR (road), RID (train) or IMDG (ship).

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## NATURALLY OCCURRING RADIOACTIVE MATERIAL (NORM)

This product is manufactured with zirconium compounds which may contain trace quantities (<500ppm) of naturally occurring radioactive material (NORM) consisting of uranium, thorium, and/or radium. The quantity of radioactive materials in the zirconium compounds is below the regulatory level of 0.05% established by the Nuclear Regulatory Commission (NRC). Check your local, regional and state or provincial regulations for specific applicable handling and disposal requirements.

## Section 15: Other Regulatory Information

### U.S. FEDERAL REGULATIONS:

#### EPA:

**Superfund Amendments and Reauthorization Act (SARA)** Title III - This product does not contain any substances reportable under Sections 302, 304, 313, (40 CFR 372). Sections 311 and 312 (40 CFR 370) apply (delayed hazard).

**Toxic Substances Control Act (TSCA)** - RCF has been assigned a CAS number; however, it is an "article" under TSCA and therefore exempt from listing on the TSCA inventory.

**Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)** and the **Clean Air Act (CAA)** - RCF contains fibers with an average diameter greater than one micron and thus is not considered a hazardous air pollutant.

#### International Regulations:

**Canadian Workplace Hazardous Materials Information System (WHMIS):** No Canadian Workplace Hazardous Materials Information System categories apply to this product.

**Canadian Environmental Protection Act (CEPA):** All substances in this product are listed, as required, on the Domestic Substances List (DSL). Chemicals, which are listed on the Non—Domestic Substances list

## Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/06/2010

**Last Updated:** 30/11/2012

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