# SAFETY DATA SHEET

Section 1. Identification

**GHS product identifier:** AFCC Fiber Cement Panels

**AFC Rustic** 

Other means

**Of identification:** None

**Product type:** Fiber Cement Panels

**SDS No.:** AFC-106

Relevant identified uses of the substance or mixture and uses advised against:

**Identified uses:** Building Facade

**Uses advised against:** None known

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**Supplier:** American Fiber Cement Corporation.

6901 S. Pierce St., Suite 180 Littleton, CO 80128

Technical Support: 800-688-8677 www.americanfibercement.com

**Emergency telephone** 

Number: CHEMTREC - 800-424-9300 or 703-741-5970 (Outside USA and Canada – collect

calls accepted). 24 Hour service.

Section 2. Hazards Identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication

Standard (29 CFR 1910.1200).

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

Classification of the CARCINOGENICITY/Inhalation - Category 1A

substance or mixture: SPECIFIC TARGET ORGAN TOXICITY (STOT) REPEATED EXPOSURE

[Respiratory tract irritation] – Category 2

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

[Respiratory tract irritation] – Category 3

SKIN IRRITATION – Category 2 SKIN SENSITIZATION – Category 1 EYE IRRITATION – Category 1

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 0%

Revision Date: June 1, 2023 Page 1 of 15

SAFETY DATA SHEET

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GHS label elements
Hazard pictograms:

Signal word: Danger

**Hazard statements:** If dust is present:

May cause cancer.

May cause damage to lungs May cause respiratory irritation. Causes serious eye irritation Causes skin irritation

May cause allergic skin reaction.

**Precautionary statements** 

**Prevention:** If dust is present:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use only outdoors or in a well-ventilated area.

Do not breathe dust. Wear eye protection

Wear protective gloves, protective clothing, eye protection, face protection

Do not eat, drink, or smoke when using this product.

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

**Response:** If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. If eye irritation occurs: Get medical attention.

If on skin: Wash with plenty of water

If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash before reuse.

If exposed, or concerned: Get medical advice/attention if you feel unwell.

**Storage:** Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and

international regulations.

**Supplementary** 

entary Use precautions if exposure exceeds the established OSHA limits.

**Information** This material does not present a hazard unless dust is generated from cutting,

grinding, or other operations.

Revision Date: June 1, 2023 Page 2 of 15

SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

### Hazards not otherwise

**Classified** None known

## Section 3.

## **Composition/Information on Ingredients**

Substance or mixture: Mixture

Other means of:

Fiber Cement Panels

identification

**CAS number/other identifiers CAS number:** Mixture

**Product code:** Fiber Cement Panels

| Ingredient name    | CAS number              | %       |
|--------------------|-------------------------|---------|
| Portland Cement    | 65997-15-1 / 64875-76-3 | 40 - 50 |
| Cellulose          | 9004-34-6               | 5 – 15  |
| Calcium Silicate   | 13983-17-0              | 5 – 15  |
| Crystalline Silica | 14808-60-7              | 25 - 45 |
| Pigments           |                         | 0 - 5   |
| Paint              | Varies                  | 0 - 2   |

Any concentration shown as a range it to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4.

## **First Aid Measures**

### **Description of necessary first aid measures**

**Inhalation:** Remove victim to fresh air.

Drink plenty of water and blow nose to evacuate remaining dust.

If coughing or irritation persist seek medical attention.

**Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

evelids.

Check for and remove any contact lenses.

Rinse for at least 15 minutes.

If irritation persists seek medical attention.

**Skin contact:** Gently wash with plenty of soap and water.

Revision Date: June 1, 2023 Page 3 of 15

### SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

If irritation persists seek medical attention.

**Ingestion** Emergency procedures not normally required.

If prolonged irritation to gastrointestinal tract or mouth persist seek medical attention.

#### Most important symptoms/effects, acute and delayed

**Potential acute health effects** 

**Inhalation:** Respirable airborne particles may cause temporary irritation to the lungs and upper

respiratory system.

**Skin contact:** Prolonged exposure may cause dryness or irritation to the skin.

**Eye contact:** Will cause mechanical irritation to the eyes. May cause moderate to severe eye

irritation and dryness.

**Ingestion:** May cause irritation to gastrointestinal tract or mouth.

**Over-exposure signs/symptoms** 

**Inhalation:** Adverse symptoms may include the following:

Irritation

**Eye contact:** Adverse symptoms may include the following:

Irritation Dryness

**Skin contact:** Adverse symptoms may include the following:

Irritation Dryness

**Ingestion:** Adverse symptoms may include the following:

Irritation
Stomach pains

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician:** Medical conditions which may be aggravated by exposure include dry skin,

dermatitis, and pre-existing lung conditions such as bronchitis, emphysema, and

asthma.

**Specific treatments:** No specific treatment.

**Protection of**No action shall be taken involving any personal risk or without suitable training

**first-aiders:**. Wear a suitable NIOSH-approved dust mask if airborne dust is present.

Wash contaminated clothing before re-use.

## Section 5.

## **Firefighting Measures**

Specific hazards arising

**from the chemical:** None known other than those represented elsewhere in this SDS.

**Hazardous thermal** 

**decomposition products** Decomposition products may include the following materials:

Revision Date: June 1, 2023 Page 4 of 15

### SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

### • Crystalline Silica

### **Special protective actions**

**for firefighters** Material will not burn.

Promptly isolate the scene by removing all persons from the vicinity of the incident

if there is a fire.

No action shall be taken involving any personal risk or without suitable training.

No special firefighting equipment is necessary.

### **Special protective**

**equipment for fire-fighters** Firefighters should wear appropriate protective equipment and self-contained

breathing apparatus (SCBA) with a full face-piece operated in positive pressure

mode.

### Section 6.

### **Accidental Release Measures**

### Personal precautions, protective equipment and emergency procedures

### For non-emergency

**Personnel** No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas.

Keep unnecessary and unprotected personnel from entering.

Provide adequate ventilation.

Wear appropriate respirator when ventilation is inadequate.

Put on appropriate personal protective equipment.

For emergency

**responders** If specialized clothing is required to deal with the spillage, take note of any

information in Section 8 on suitable and unsuitable materials. See also the

information in "For non-emergency personnel".

**Environmental** 

**precautions** This material does not pose a significant threat to the environment.

Avoid dispersion of material and runoff and contact with waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental

pollution (sewers, waterways, or air)

### Methods and materials for containment and cleaning up

Small spill Stop source of spill.

Avoid creating airborne dust Use dust suppressant as necessary

Place material into closed waste disposal container.

Any sweeper or vacuum should be equipped with High Efficiency Particulate

(HEPA) filter.

Dispose of using a licensed waste disposal contractor.

Revision Date: June 1, 2023 Page 5 of 15

### SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

Large spill Stop source of spill.

Avoid creating airborne dust Use dust suppressant as necessary

Place material into closed waste disposal container.

Any sweeper or vacuum should be equipped with High Efficiency Particulate

(HEPA) filter.

Dispose of using a licensed waste disposal contractor.

Note: see Section 1 for emergency contact information and Section 13 for waste

disposal.

## Section 7.

## **Handling and Storage**

### Protective measures for safe handling

**Protective Measures:** Minimize dust generation

Use appropriate respiratory protection if dust is present above the established

exposure limits.

If dusty conditions exist (such as during cutting, sanding, or milling) use engineering

controls and/or respiratory protection (See Section 8).

Advice on general

occupational hygiene Eating and smoking should be prohibited in areas where this material is handled,

stored and processed.

Workers should wash hands and face before eating and smoking.

Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage,

including any

**incompatibilities** Store in accordance with local regulations.

Store in original container in a dry area, away from incompatible materials (see

Section 10) and food and drink.

## Section 8.

## **Exposure Controls/Personal Protection**

#### **Control parameters**

### **Occupational exposure limits:**

US Occupational Safety and Health Administration Permissible Exposure Limit (OSHA PEL):

Irritant (Nuisance) Dust: 5 mg/m<sup>3</sup>

Revision Date: June 1, 2023 Page 6 of 15

### SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

Crystalline Silica

Permissible Exposure Limit  $50 \mu g/m^3$ Action Level  $25 \mu g/m^3$ 

(See 29 CFR 1910.1053, effective June 23, 2018. Regulation contains additional requirements, including written exposure plan, medical exams, training, and recordkeeping.)

American Conference of Governmental and Industrial Hygienists Threshold Limit Value (ACGIH TLV®):

Irritant (Nuisance) Dust: 3 mg/m<sup>3</sup>

Crystalline Silica 0.025 mg/m<sup>3</sup>

Note: TLV<sup>®</sup> and PEL values are for eight hour exposures, unless noted.

**Appropriate** 

Engineering controls: If user operations generate dust, use process enclosures, local exhaust ventilation or

other engineering controls to keep worker exposure to airborne contaminants below

any recommended or statutory limits.

Power equipment should be fitted with a properly designed dust collection device.

**Environmental** 

**Exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure

they comply with the requirements of environmental protection legislation.

In some cases, fume scrubbers, filters or engineering modifications to the process

equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures** 

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before

eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing.

Wash contaminated clothing before reusing.

Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory Protection: Wear a NIOSH-approved dust mask to limit exposure to product dust.

Higher dust levels may require use of a half or full mask respirator with dust filters.

Use local exhaust if necessary to lower dust levels.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Eye/Face Protection:** Wear safety glasses with side shields or goggles complying with an approved

standard to avoid exposure to dust.

Revision Date: June 1, 2023 Page 7 of 15

### SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

**Hand Protection:** Protective gloves should be worn when handling and to avoid abrasion or drying of

skin.

**Body Protection:** Personal protective equipment for the body should be selected based on the task

being performed and the risks involved.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected

based on the task being performed and the risks involved.

### Section 9.

## **Physical and Chemical Properties**

**Appearance** 

Physical State Solid Blocks of various size

ColorVariousOdorNone

Odor Threshold Not Applicable PH Not Applicable

Melting PointN/ABoiling PointN/AFlash PointNone

Burning Time Not applicable

Specific Gravity 1.7

**Burning Rate** Not applicable **Evaporation Rate** 0 (butyl acetate = 1) Flammability (solid, gas) Not applicable Lower Explosive (flammable) Limit Not available **Upper Explosive (flammable) Limit** Not available **Vapor Pressure** Not applicable **Vapor Density** Not applicable **Relative Density** Not available **Solubility** Insoluble **Solubility in Water** Insoluble Partition coefficient: n-octanol/water Not available **Auto-ignition Temperature** Not available **Decomposition Temperature** Not available **SADT** Not available

### Section 10.

**Viscosity** 

## **Stability and Reactivity**

**Reactivity:** This product is normally not reactive.

**Chemical stability:** The product is stable.

**Possibility of** 

Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Not available

Revision Date: June 1, 2023 Page 8 of 15

### SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

Under normal conditions of storage and use, hazardous polymerization will not

occur.

Conditions to Avoid: Avoid strong acids and ammonium salts. Contact with strong oxidizing agents (such

as fluorine, chlorine trifluoride) may present a fire hazard.

**Incompatible** 

**Materials:** Reactive or incompatible with the following strong oxidizers such as:

Hydrofluoric acid, fluorine, chlorine trifluoride, oxygen difluoride

**Hazardous Decomposition** 

**Products** Crystalline silica will dissolve in hydrofluoric acid and produce silicon tetrafluoride,

a corrosive gas.

### Section 11.

## **Toxicological Information**

### **Information on toxicological effects**

**Acute toxicity** 

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|--------|---------|------|----------|
| None Known              |        |         |      |          |
|                         |        |         |      |          |

**Irritation/Corrosion:** Not available

**Sensitization** Not available

**Mutagenicity** Not available

**Carcinogenicity**: Not available

**Reproductive toxicity** Not available

**Teratogenicity** Not available

Specific target organ toxicity

(single exposure) Not available

Specific target organ toxicity

(repeated exposure) This material contains Crystalline Silica, which is known to cause silicosis. Silicosis

is a rapidly progressive, non-cancerous lung disease that is often fatal.

**Aspiration hazard** Not available

Information on the likely

**routes of exposure** Routes of entry anticipated: Oral, Dermal, Inhalation.

Revision Date: June 1, 2023 Page 9 of 15

### SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

### Potential acute health effects

**Inhalation:** Respirable airborne particles may cause temporary irritation to the lungs and upper

respiratory system.

Prolonged exposure may cause dryness or irritation to the skin. **Skin contact:** 

Will cause mechanical irritation to the eyes. May cause moderate to severe eye **Eye contact:** 

irritation and dryness.

**Ingestion:** May cause irritation to gastrointestinal tract or mouth.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** Adverse symptoms may include the following:

Irritation

**Eye contact:** Adverse symptoms may include the following:

> Irritation **Dryness**

**Skin contact:** Adverse symptoms may include the following:

> Irritation Dryness

**Ingestion:** Adverse symptoms may include the following:

Irritation

Stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

### **Short term exposure**

**Potential immediate** 

Not available. effects:

**Potential delayed** 

Not available. effects:

Long term exposure

**Potential immediate** 

Not available. effects:

**Potential delayed** 

effects: Not available.

**Revision Date: June 1, 2023** Page 10 of 15

### SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

Potential chronic health

**effects:** Not available

**General:** No other known significant effects or critical hazards.

**Carcinogenicity:** Crystalline silica – long term overexposure may cause permanent and irreversible

lung damage, including silicosis, and increase the risk of lung cancer, kidney, and liver damage. Silicosis is a rapidly progressive, non-cancerous lung disease that is

often fatal.

**IARC** (**International Agency** 014808-60-7 Silica dust, crystalline, in the form of quartz or cristobalite - Group 1 (Sup 7, 68,100C, 2012)

National Toxicology Program Silica, Crystalline (Respirable Size) - Known To

(NTP) Report on Carcinogens Be Human Carcinogen

**OSHA:** Crystalline Silica classified as a Category 1A Carcinogen

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

**Numerical measures of toxicity** 

**Acute toxicity estimates** 

Not available.

## Section 12.

## **Ecological Information**

**Toxicity** Not available.

**Persistence and** 

**Degradability:** Not available.

**Bioaccumulative** 

**Potential:** Not available.

**Mobility in soil** 

**Soil/water partition** 

**coefficient** ( $K_{OC}$ ): Not available

Other adverse effects: Most of the ingredients in this product are naturally occurring minerals, and, unless

contaminated in service, are not hazardous to the environment.

Revision Date: June 1, 2023 Page 11 of 15

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

### Section 13.

## **Disposal Considerations**

### **Disposal methods:**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

This material and its container must be disposed of in a safe way.

Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

Empty containers or liners may retain some product residues.

Avoid dispersal of spilled material and runoff and contact with waterways, drains and sewers.

| Section 14. | Transport Information |                           |               |               |
|-------------|-----------------------|---------------------------|---------------|---------------|
|             | DOT<br>Classification | <b>TDG Classification</b> | IMDG          | IATA          |
| UN Number   | Not Regulated         | Not Regulated             | Not Regulated | Not Regulated |

### **Special precautions for user:**

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage

## Section 15.

## **Regulatory Information**

### U.S. Federal regulations

TSCA 8(a) CDR Exempt/Partial exemption: Not applicable United States inventory (TSCA 8b): This material is listed.

Clean Air Act Section 112
(b) Hazardous Air

**Pollutants (HAPs):** Not listed

**Clean Air Act Section 602** 

Class I Substances: Not listed

**Clean Air Act Section 602** 

Class II Substances: Not listed

Revision Date: June 1, 2023 Page 12 of 15

### **SAFETY DATA SHEET**

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

**DEA List I Chemicals** 

(Precursor Chemicals): Not listed

**DEA List II Chemicals** 

(Essential Chemicals): Not listed

**SARA 302/304** 

**Composition/information on ingredients:** No products were found.

**SARA 304 RQ:** Not applicable.

SARA 311/312 Classification:

### **Composition/information on ingredients:**

| Name               | Immediate | Delayed   | Fire   | Reactivity | Sudden     |
|--------------------|-----------|-----------|--------|------------|------------|
|                    | (acute)   | (chronic) | Hazard | Hazard     | Release of |
|                    | Health    | Health    |        |            | Pressure   |
|                    | Hazard    | Hazard    |        |            |            |
| Portland Cement    | Yes       | Yes       | No     | No         | No         |
| Limestone          | Yes       | Yes       | No     | No         | No         |
| Crystalline Silica | Yes       | Yes       | No     | No         | No         |
| Calcium Silicates  | Yes       | No        | No     | No         | No         |
| Sodium Silicate    | Yes       | No        | No     | No         | No         |

Section 313 listed: No

**Listed material/compound:** Not Applicable

**State regulations** 

New York:Crystalline SilicaNew Jersey:Crystalline SilicaPennsylvania:Crystalline SilicaMassachusetts:Crystalline SilicaRhode Island:Crystalline SilicaCalifornia Prop. 65:Crystalline Silica

**International Lists** 

**DSL** (Canada) All ingredients are listed, or exempt from inclusion, on the Canadian

Domestic Substances List (DSL).

WHMIS 2015 (Canada): See Section 2.

Australia inventory (AICS): Not determined.

Revision Date: June 1, 2023 Page 13 of 15

### SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

China inventory (IECSC):

Japan inventory:

Korea inventory:

Malaysia Inventory (EHS Register):

Not determined.

Chemical Weapons Convention List Schedule I Chemicals: Not listed Chemical Weapons Convention List Schedule II Chemicals: Not listed Chemical Weapons Convention List Schedule III Chemicals: Not listed

**DSCL** (**Europe**): R48/20: Harmful – Danger of serious damage to health by prolonged exposure

through inhalation.

R36: Irritating to the eyes

R39: Danger of serious irreversible side effects.

R45: May cause cancer.

### Section 16.

## **Other Information**

### **Hazardous Material Information System (U.S.A.)**

| Health           | 2 |
|------------------|---|
| Flammability     | 0 |
| Physical Hazards | 0 |
|                  |   |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### **National Fire Protection Association (U.S.A.)**



Revision Date: June 1, 2023 Page 14 of 15

### SAFETY DATA SHEET

NOTE: These panels are considered to be non-hazardous unless dust is generated by cutting, drilling, breaking, or other means.

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#### **History**

**Date of issue/Date of revision:** June 1, 2023 **Date of previous issue:** None

Changes: Not Applicable

**Prepared by:** T Square Associates, Inc.

www.tsquare.us

Revision Date: June 1, 2023 Page 15 of 15