

## Section 1: Identification

### Product Identifier

**Product Name:** • Allura Fiber Cement Siding

**Synonyms** • Fiber Cement; Fiber Cement Siding  
**Product Code** • Trim - CT-10103-4; Allura - CT-10074-7

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

**Recommended use** • Fiber Cement products are intended for exterior cladding. Allura Fiber Cement Siding is available in traditional and contemporary aesthetics. It is suitable for residential and light commercial applications. These products offer a high degree of dimensional stability and impact resistance.

Allura Underlayment & BackerBoard are for interior floors, walls and countertops.

### Details of the supplier of the safety data sheet

**Manufacturer** • Allura  
Corporate Headquarters  
396 W Greens Rd  
Houston, TX 77067  
[www.AlluraUSA.com](http://www.AlluraUSA.com)

**Telephone** • 1 844 4 Allura (1 844 425 5872)

### Emergency Telephone Number

**Manufacturer** • (800) 424-9300 - Chemtrec

## Section 2: Hazard Identification

### United States (US)

According to OSHA 29 CFR 1910.1200 HCS

### Classification of the substance or mixture

**OSHA HCS 2012** • Carcinogenicity 1A - H350  
Specific Target Organ Toxicity Repeated Exposure 1 - H372

### Label elements

**OSHA HCS 2012 DANGER**



**Hazard statements** • **May cause cancer. - H350**  
**Causes damage to organs through prolonged or repeated exposure. - H372**

### Precautionary statements

**Prevention:**

- Obtain special instructions before use. -P201
- Do not handle until all safety precautions have been read and understood. - P202
- Do not breathe dust. - P260
- Wash thoroughly after handling. - P264
- Do not eat, drink or smoke when using this product. - P270

- Wear protective gloves/protective clothing/eye protection/face protection. - P280
- User personal protective equipment as required. -P281

**Response**

- If exposed or concerned: Get medical advice/attention. - P308+P313
- Get medical advice/attention if you feel unwell. -P314

**Storage/Disposal**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

**Other Hazards**

**OSHA HCS 2012**

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

**WARNING**



**WARNING:** This product can expose you to chemicals, including Crystalline Silica, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Canada**

- According to WHMIS

**Classification of the substance or mixture**

**WHMIS**

- Other Toxic Effects - D2A

**Label elements**

**WHMIS**



- Other Toxic Effects - D2A

**Other Hazards**

**WHMIS**

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

**Other information**

- The potential for hazardous component release occurs during installation of the product and specifically during cutting, drilling, crushing, etc. activities that generate dust. Hazardous components are not expected to be released once the product is installed.

See Section 12 for Ecological Information

**Section 3: Composition/Information on Ingredients**

**Substances**

- Material does not meet the criteria of a substance.

**Mixtures**

- Some products are coated with a water based primer and paint.

COMPOSITION			
Chemical Name	Identifiers	%	Classifications According to Regulation/Directive
Portland Cement	CAS: 65997-15-1 EC Number: 266-043-4	25% TO 55%	OSHA HCS 2012: Skin Corr. 1A; Eye Dam. 1
Cellulose Fiber	NDA	4.5% TO 9.5%	OSHA HCS 2012: Comb. Dust.
Quartz	CAS:14808-60-7 EC Number: 238-878-4	25% TO 55%	OSHA HCS 2012: Carc. 1A
Aluminum hydroxide	CAS: 21645-51-2 EC Number: 244-492-7	0% TO 6%	OSHA HCS 2012: Not Classified
Bentonite	CAS: 1302-78-9 EC Number: 215-108-5	0% TO 5%	OSHA HCS 2012: Carc. 1A

See Section 11 for Toxicological Information.

Allura™ Lap & Vertical Siding, Soffit, Shakes and Trim & Fascia Board, Fiber Cement Underlayment & BackerBoard

## Section 4: First-Aid Measures

### Description of first aid measures

- Inhalation** • Remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention.
- Eye** • Remove contaminated clothing and wash exposed skin with soap and water. If irritation develops or persists, seek medical attention.
- Ingestion** • Remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention.

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

- Refer to Section 11 - Toxicological Information.

### Indication of any immediate medical attention and special treatment needed

- OSHA HCS 2012 DA NG E R

**Notes to Physician** • All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5: Fire-Fighting Measures

### Extinguishing media

- Suitable Extinguishing Media** • Use any media suitable for the surrounding fires.
- Unsuitable Extinguishing Media** • N/A

### Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards** • None known. This product is not considered combustible.
- Hazardous Combustion Products** • This product is non-combustible.

### Advice for Fire-Fighters

- Fire fighters should use normal precautions and extinguishing methods suitable for surrounding materials.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

- Personal Precautions** • Do not breathe dust. Wear a dust mask if generated above exposure limits. Wear appropriate protective equipment and clothing during clean-up.
- Emergency Procedures** • No emergency procedures are expected to be necessary if materials used under ordinary conditions as recommended.

**Environmental precautions** • No special precautions necessary.

### Methods and material for containment and cleaning up

- Do not dry sweep dust accumulation.
- Pick up large pieces.
- Collect dust or particulates using a vacuum cleaner with a HEPA filter.
- Avoid the generation of dusts during clean-up.

## Section 7: Handling and Storage

### Precautions for safe handling

#### Handling

- Avoid breathing dust generated when sawing, routing, drilling, and sanding this product.
- Wear personal protective equipment. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities** • Store in a dry place and under cover to protect product.

## Section 8: Exposure Controls/Personal Protection

### Control parameters

EXPOSURE LIMITS/GUIDELINES						
	Result	ACGIH	Canada British Columbia	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories
<b>Magnesium oxide (1309-48-4)</b>	<b>STELs</b>	Not established	10 mg/m <sup>3</sup> STEL (respirable dust and fume, as Mg)	Not established	Not established	20 mg/m <sup>3</sup> STEL (fume, as Mg)
	<b>TWAs</b>	28% TO 40%	10 mg/m <sup>3</sup> TWA (fume, inhalable); 3 mg/m <sup>3</sup> TWA (respirable dust and fume, as Mg)	10 mg/m <sup>3</sup> TWA (inhalable fraction)	10 mg/m <sup>3</sup> TWA (fume)	10 mg/m <sup>3</sup> TWA (fume, as Mg)
<b>Calcium oxide (1305-78-8)</b>	<b>TWAs</b>	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA
	<b>STELs</b>	Not established	Not established	Not established	Not established	4 mg/m <sup>3</sup> STEL
<b>Titanium dioxide (13463-67-7)</b>	<b>TWAs</b>	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA (total dust); 3 mg/m <sup>3</sup> TWA (respirable fraction)	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA (respirable mass); 10 mg/m <sup>3</sup> TWA (total mass)
<b>Iron oxide (1309-37-1)</b>	<b>STELs</b>	Not established	10 mg/m <sup>3</sup> STEL (fume, as Fe)	Not established	Not established	Not established
	<b>TWAs</b>		10 mg/m <sup>3</sup> TWA (total particulate matter containing no Asbestos and <1% Crystalline silica, total particulate, listed under Rouge); 3 mg/m <sup>3</sup> TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable particulate, listed under Rouge); 5 mg/m <sup>3</sup> TWA (dust and fume, as Fe)	5 mg/m <sup>3</sup> TWA (respirable fraction)	5 mg/m <sup>3</sup> TWA (particulate matter containing no Asbestos and <1% Crystalline silica, dust and fume, as Fe); 10 mg/m <sup>3</sup> TWA (regulated under Rouge, particulate matter containing no Asbestos and <1% Crystalline silica)	5 mg/m <sup>3</sup> TWA (respirable mass); 10 mg/m <sup>3</sup> TWA (total mass)
<b>Aluminum oxide (1344-28-1)</b>	<b>TWAs</b>	Not established	Not established	Not established	10 mg/m <sup>3</sup> TWA (particulate matter containing no Asbestos and <1% Crystalline silica)	10 mg/m <sup>3</sup> TWA; 5 mg/m <sup>3</sup> TWA (respirable mass); 10 mg/m <sup>3</sup> TWA (total mass)
	<b>STELs</b>	Not established	Not established	Not established	Not established	20 mg/m <sup>3</sup> STEL

EXPOSURE LIMITS/GUIDELINES CONT'D						
<b>Silica, amorphous (7631-86-9)</b>	<b>TWAs</b>	Not established	Not established	Not established	Not established	2 mg/m3 TWA (respirable mass); 5 mg/m3 TWA (total mass); 0.05 mg/m3 TWA (regulated under Silica flour, respirable mass); 0.15 mg/m3 TWA (total mass, regulated under Silica flour)
<b>Quartz (14808-60-7)</b>	<b>TWAs</b>	0.025 mg/m3 TWA (respirable fraction)	0.025 mg/m3 TWA (respirable)	0.025 mg/m3 TWA (respirable fraction)	0.1 mg/m3 TWA (respirable fraction)	0.1 mg/m3 TWA (respirable mass); 0.3 mg/m3 TWA (total mass)
<b>Portland Cement (65997-15-1)</b>	<b>TWAs</b>	1 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	10 mg/m3 TWA (total particulate matter containing no Asbestos and <1% Crystalline silica, total particulate); 3 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable particulate)	1 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)	10 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica)	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)
<b>Aluminum hydroxide (21645-51-2)</b>	<b>TWAs</b>	1 mg/m3 TWA (respirable fraction)	1 mg/m3 TWA (respirable)	1 mg/m3 TWA (respirable fraction)	Not established	Not established
EXPOSURE LIMITS/GUIDELINES CONT'D						
	<b>Result</b>	<b>Canada Nova Scotia</b>	<b>Canada Nunavut</b>	<b>Canada Ontario</b>	<b>Canada Quebec</b>	<b>Canada Yukon</b>
<b>Magnesium oxide (1309-48-4)</b>	<b>TWAs</b>	10 mg/m3 TWA (inhalable fraction)	10 mg/m3 TWA (fume, as Mg)	10 mg/m3 TWA (inhalable)	10 mg/m3 TWAEV (fume, as Mg)	10 mg/m3 TWA (fume, as Mg)
	<b>STELs</b>	Not established	20 mg/m3 STEL (fume, as Mg)	Not established	Not established	10 mg/m3 STEL (fume, as Mg)
<b>Calcium oxide (1305-78-8)</b>	<b>TWAs</b>	2 mg/m3 TWA	2 mg/m3 TWA	2 mg/m3 TWA	2 mg/m3 TWAEV	2 mg/m3 TWA
	<b>STELs</b>	Not established	4 mg/m3 STEL	Not established	Not established	4 mg/m3 STEL
<b>Titanium dioxide (13463-67-7)</b>	<b>TWAs</b>	10 mg/m3 TWA	5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)	10 mg/m3 TWA (total dust)	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust)	30 mppcf TWA (as Ti); 10 mg/m3 TWA (as Ti)
<b>Iron oxide (1309-37-1)</b>	<b>STELs TWAs</b>	Not established 5 mg/m3 TWA (respirable fraction)	Not established 5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)	Not established 5 mg/m3 TWA (respirable)	Not established 5 mg/m3 TWAEV (dust and fume, as Fe); 10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, regulated under Rouge, total dust)	20 mg/m3 STEL (as Ti) 5 mg/m3 TWA (fume, as Fe2O3); 30 mppcf TWA (regulated under Rouge); 10 mg/m3 TWA (regulated under Rouge)
	<b>STELs</b>	Not established	Not established	Not established	Not established	10 mg/m3 STEL (fume); 20 mg/m3 STEL (regulated under Rouge)
<b>Aluminum oxide (1344-28-1)</b>	<b>STELs</b>	Not established	20 mg/m3 STEL	Not established	Not established	20 mg/m3 STEL (Al2O3)
	<b>TWAs</b>	Not established	10 mg/m3 TWA; 5 mg/m3 TWA (respirable mass); 10 mg/m3 TWA (total mass)	Not established	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust, as Al)	30 mppcf TWA (Al2O3); 10 mg/m3 TWA (Al2O3)

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EXPOSURE LIMITS/GUIDELINES CONT'D						
<b>Silica, amorphous (7631-86-9)</b>	<b>TWAs</b>	Not established	2 mg/m <sup>3</sup> TWA (respirable mass); 5 mg/m <sup>3</sup> TWA (total mass); 0.05 mg/m <sup>3</sup> TWA (regulated under Silica flour, respirable mass); 0.15 mg/m <sup>3</sup> TWA (regulated under Silica flour, total mass)	Not established	Not established	300 particle/mL TWA (as measured by Konimeter instrumentation, listed under Silica); 20 mppcf TWA (as measured by Impinger instrumentation, listed under Silica); 2 mg/m <sup>3</sup> TWA (respirable mass, listed under Silica)
<b>Quartz (14808-60-7)</b>	<b>TWAs</b>	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	0.1 mg/m <sup>3</sup> TWA (respirable mass); 0.3 mg/m <sup>3</sup> TWA (total mass)	0.10 mg/m <sup>3</sup> TWA (designated substance regulation, respirable)	0.1 mg/m <sup>3</sup> TWAEV (respirable dust)	300 particle/mL TWA (listed under Silica)
<b>Portland Cement (65997-15-1)</b>	<b>TWAs</b>	1 mg/m <sup>3</sup> TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)	5 mg/m <sup>3</sup> TWA (respirable mass); 10 mg/m <sup>3</sup> TWA (total mass)	10 mg/m <sup>3</sup> TWA (containing no Asbestos and <1% Crystalline silica, total dust)	10 mg/m <sup>3</sup> TWAEV (containing no Asbestos and <1% Crystalline silica, total dust); 5 mg/m <sup>3</sup> TWAEV (containing no Asbestos and <1% Crystalline silica, respirable dust)	30 mppcf TWA; 10 mg/m <sup>3</sup> TWA
	<b>STELs</b>	Not established	Not established	Not established	Not established	20 mg/m <sup>3</sup> STEL
<b>Aluminum hydroxide (21645-51-2)</b>	<b>TWAs</b>	Not established	Not established	1 mg/m <sup>3</sup> TWA (respirable fraction)	Not established	Not established

	Result	NIOSH	OSHA
<b>Magnesium oxide (1309-48-4)</b>	<b>TWAs</b>	Not established	15 mg/m <sup>3</sup> TWA (fume, total particulate)
<b>Calcium oxide (1305-78-8)</b>	<b>TWAs</b>	2 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA
<b>Titanium dioxide (13463-67-7)</b>	<b>TWAs</b>	Not established	15 mg/m <sup>3</sup> TWA (total dust)
<b>Iron oxide (1309-37-1)</b>	<b>TWAs</b>	5 mg/m <sup>3</sup> TWA (dust and fume, as Fe)	10 mg/m <sup>3</sup> TWA (fume)
<b>Aluminum oxide (1344-28-1)</b>	<b>TWAs</b>	Not established	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
<b>Silica, amorphous (7631-86-9)</b>	<b>TWAs</b>	6 mg/m <sup>3</sup> TWA	Not established
<b>Quartz (14808-60-7)</b>	<b>TWAs</b>	0.05 mg/m <sup>3</sup> TWA (respirable dust)	0.05 mg/m <sup>3</sup> TWA (respirable dust)
<b>Portland Cement (65997-15-1)</b>	<b>TWAs</b>	10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)

## Exposure Controls - Engineering Measures/Controls

- Keep exposures to dust generated from cutting, drilling, routing, sawing or crushing, as low as possible.
- Perform cutting of boards in a well-ventilated area (outside) and use local exhaust ventilation to keep exposures below the recommended exposure limits.
- When using power saws, use blades designed for fiber cement siding.
- Use circular saws with a built-in dust collection container or shroud that functions as a hood, partially encloses the saw blade, that is connected to the local area ventilation system (such as shop vacuum).
- Use a shop vacuum having a filter with 99% or greater efficiency (HEPA recommended), with an air-flow rate as specified by the saw manufacturer.
- Use of high efficiency disposable filter bags is recommended as a pre-filter in the shop vacuum to capture most of the dust. This will prolong the life of the cartridge filter and contain the dust to reduce exposure during disposal.

## Personal Protective Equipment

- Respiratory** • If exposure controls listed above are not implemented, use NIOSH N-95 respirators when cutting, drilling, sanding, etc.
- Eyes/Face/Hands** • Safety glasses with side shields should be worn at a minimum.
- Skin/Body** • Normal work clothing (long sleeved shirts and long pants) is recommended.

## General Industrial Hygiene Considerations

- Keep formation of airborne dusts to a minimum. Use good industrial hygiene practices in handling this material.
- Use a shop vacuum with filter efficiency of at least 99% (HEPA filter recommended), or wet methods for dust cleanup. Do not dry sweep or use compressed air for cleanup of dust.

## Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

ACGIH = American Conference of Governmental Industrial Hygiene  
 STEL = Short Term Exposure Limits are based on 15-minute exposures  
 LLV = Limit Level Value is the exposure limit for 8-hour work day.  
 STV = Short-term exposure limit based on 15-minute exposure  
 NIOSH = National Institute of Occupational Safety and Health  
 TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

OEL = Occupational Exposure Limit  
 TWAEV = Time-Weighted Average Exposure Value  
 OSHA = Occupational Safety and Health Administration  
 TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures  
 PEL = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

## Section 9: Physical and Chemical Properties

### Information on Physical and Chemical Properties

MATERIAL DESCRIPTION			
Physical Form	Solid	Appearance/Description	Solid gray boards with varying dimensions according to product specifications. Some may be coated with an acrylic primer
Color	Gray This product may also be prefinished and sold under the ColorMax Brand.	Odor	None
Odor Threshold	No Data Available		
General Properties			
Boiling Point	No Data Available	Melting Point	No Data Available
Decomposition Temperature	No Data Available	pH	10 to 12
Specific Gravity/Relative Density	1 to 1.1 Water=1	Density	1.2 to 1.6 g/mL
Water Solubility	Insoluble 0.1 g/L	Viscosity	No Data Available
Viscosity			
Vapor Pressure	No Data Available	Vapor Density	No Data Available
Evaporation Rate	No Data Available		
Flammability			
Flash Point	No Data Available	UEL	No Data Available
LEL	No Data Available	Auto ignition	No Data Available
Flammability (solid, gas)	Not Flammable		
Environmental			
Octanol/Water Partition coefficient	No Data Available		

## Section 10: Stability and Reactivity

**Reactivity**

- No dangerous reaction known under conditions of normal use.

**Chemical Stability**

- Stable under normal conditions.

**Possibility of Hazardous reactions**

- Hazardous polymerization will not occur.

**Conditions to Avoid**

- No dangerous reaction known under conditions of normal use.

**Conditions to Avoid**

- No dangerous reaction known under conditions of normal use.

**Incompatible materials**

- None known.

**Hazardous decomposition products**

- None known.



## Section 11: Toxicological Information

### Information on toxicological effects

#### Other Material Information

- The potential for hazardous component release occurs during installation of the product and specifically during cutting, drilling, crushing, etc. activities that generate dust. Hazardous components are not expected to be released once the product is installed.

COMPONENT NAME	CAS	DATA
Quartz (25% TO 55%)	14808-60-7	Tumorigen/Carcinogen: ihl-rat TCLo:50 mg/m3/6H/71W-I
Titanium dioxide (< 0.62%)	13463-67-7	Irritation: skn-hmn 300 ug/3D-I MLD; Tumorigen/Carcinogen: ihl-rat TCLo:250 mg/m3/6H/2Y-I
Silica, amorphous (8.2% TO 17.4%)	7631-86-9	Irritation: eye-rbt 25 mg/24H MLD

GHS PROPERTIES	CLASSIFICATION
Acute toxicity	OSHA HCS 2012 • No data available
Aspiration Hazard	OSHA HCS 2012 • No data available
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 1A
Germ Cell Mutagenicity	OSHA HCS 2012 • No data available
Skin corrosion/Irritation	OSHA HCS 2012 • No data available
Skin sensitization	OSHA HCS 2012 • No data available
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1
STOT-SE	OSHA HCS 2012 • No data available
Toxicity for Reproduction	OSHA HCS 2012 • No data available
Respiratory sensitization	OSHA HCS 2012 • No data available
Serious eye damage/Irritation	OSHA HCS 2012 • No data available

#### Target Organs

- Lungs, Kidneys

#### Route(s) of entry/exposure

- Inhalation, Skin, Eye, Ingestion

### Potential Health Effects

#### Inhalation Acute (Immediate)

- May cause coughing and/or sneezing. Temporary irritation of nose and throat may occur.

#### Chronic (Delayed)

- Silicosis (pulmonary fibrosis or severe lung scarring) may occur if exposed to high levels or repeated encounters with dust. This product contains crystalline silica (quartz) which is listed by IARC as carcinogen and a known human carcinogen by NTP. Exposure to airborne particles that exceed the limits listed may cause lung cancer and kidney damage.

#### Skin Acute (Immediate)

- Dust or powder may result in mechanical irritation of the skin characterized by itching or redness. Rubbing skin may increase irritation.

#### Skin Chronic (Delayed)

- No data available.

#### Eye Acute (Immediate)

- Mechanical irritation of the eye may occur characterized by itching or redness. Rubbing may cause abrasion of cornea.

#### Eye Chronic (Delayed)

- No data available.

#### Ingestion Acute (Immediate)

- Ingestion of this product unlikely. Ingestion of particles may cause gastrointestinal irritation

#### Ingestion Chronic (Delayed)

- No data available

### Carcinogenic Effects

- When used under normal conditions, this product is not considered a carcinogen. This product contains crystalline silica. IARC Monographs on Evaluation of Carcinogenic Risk of Chemicals to Humans (Monograph 68, 1997) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to humans, IARC (Group I). Crystalline Silica is classified as a known Carcinogen, according to the NTP. Bentonite contains small quantities of crystalline silica and should be factored when using the product.

CARCINOGENIC EFFECTS			
	CAS	IARC	NTP
Titanium dioxide	13463-67-7	Group 2B-Possible Carcinogen	Not Listed
Quartz (Silica)	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen

### Reproductive Effects Other Information

- None Known
- This product is not toxic in its intact form. Temporary irritation may be observed in the upper respiratory system, eyes, and skin. Inhalation of dusts/fumes from this product may cause a scratchy throat, congestion, and slight coughing.

#### Key to abbreviations

MLD = Mild  
TC = Toxic Concentration

## Section 12: Ecological Information

### Toxicity

- Material data lacking.

### Persistence and degradability • Bioaccumulative potential

- No information available for the product.
- No information available for the product.

### Mobility in Soil

- Material data lacking.

### Other adverse effects

#### Ecological Fate

- The product is not biodegradable

#### Potential Environmental Effects

- Fiber Cement boards do not present an environmental risk in the intact (whole) state, i.e., when installed or in packaging.

## Section 13: Disposal Conditions

### Waste Treatment Methods

#### Product waste

- This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Comply with state and local regulations for disposal. If you are unsure of the regulations, contact your local public health department, or the local office of the EPA. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

	14.1 UN Number	14.2 un proper shipping name	14.3 Transport Hazard Class(es)	14.4 Packing Group	14.5 Environmental Hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
ATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

## Waste Treatment Methods

Special precautions for user

• None known.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

• Not relevant

## Section 15: Regulatory

### STATE RIGHT TO KNOW

Component	CAS	MA	NJ	PA
Portland Cement	65997-15-1	Not Regulated	NDA	NDA
Cellulose Fiber	NDA	No	No	No
Quartz	14808-60-7	Yes	Yes	Yes
Magnesium Oxide	1309-48-4	Yes	Yes	Yes
Iron Oxide	1309-37-1	Yes	Yes	Yes
Aluminum Oxide	1344-28-1	Yes	Yes	Yes
Titanium Dioxide	13463-67-7	Yes	Yes	Yes
Calcium Oxide	1305-78-8	Yes	Yes	Yes
Silica, Amorphous	7631-86-9	Yes	Yes	Yes

### INVENTORY

Component	CAS	MA	NJ	PA
Coal fly ash	68131-74-8	Yes	No	Yes
Portland Cement	65997-15-1	Yes	No	Yes
Cellulose Fiber	NDA	No	No	No
Quartz	14808-60-7	Yes	No	Yes
Magnesium Oxide	1309-48-4	Yes	No	Yes
Iron Oxide	1309-37-1	Yes	No	Yes
Aluminum Oxide	1344-28-1	Yes	No	Yes
Titanium Dioxide	13463-67-7	Yes	No	Yes
Calcium Oxide	1305-78-8	Yes	No	Yes
Silica, Amorphous	7631-86-9	Yes	No	Yes

## Other Information

• CA Proposition 65 - WARNING: This product contains a chemical known to the State of California to cause cancer.

## Section 16: Other Information

**Last Revision Date** • September 15, 2017

**Preparation Date** • February 1, 2014

### **Disclaimer/Statement of Liability**

Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.