Safety Data Sheet

Section 1: Identification

Product Identifier

Product Name: Allura® Fiber Cement Siding
Allura® Backer

Synonyms Fiber Cement, Fiber Cement Siding, Backerboard and Underlayment

Product Code: Allura® Lap, Allura® Panel, Allura® Shake, Allura® Shake Select, Allura® Backer, Allura® Soffit

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

Recommended use Allura® Fiber Cement Siding is intended for exterior cladding and is available in traditional and contemporary aesthetics. It is suitable for residential and light commercial applications. These 100% asbestos free products offer a high degree of dimensional stability and impact resistance.

Allura® Backer is used as cementitious backer units for floor underlayment in the interior of buildings and backer boards for wall, ceiling, and counter tile, in tub, shower, sink, kitchens, and other wet areas in the interior of buildings.

Details of the supplier of the safety data sheet

Manufacturer
Plycem USA LLC
Corporate Headquarters
396 W Greens Rd. Suite 300
Houston, TX 77067
United States
www.AlluraUSA.com

Telephone (*844) 525-5872*

Emergency Telephone Number

Manufacturer (*844) 525-5872*

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.

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.

The exact ratio of components will vary between specific products. Trace quantities of impurities are also likely.

Component	CAS/Identification	Concentration
Calcium Silicate (Hydrate)	**CAS:** 65997-15-1 **EC Number:** 266-043-4	25% TO 65%
Cellulose Fiber	NA	<15%
Crystalline Silica (Quartz)	**CAS:**14808-60-7 **EC Number:** 238-878-4	20% TO 60%
Calcium Aluminum Silicate (Hydrate)	NA	<20%

See Section 11 for Toxicological Information.

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 D A N G 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 material is 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 - US			
	Result	**NIOSH**	**OSHA**
Quartz (14808-60-7)	**PEL**	0.05 mg/m3 TWA (respirable dust)	0.05 mg/m3 TWA (respirable dust)

EXPOSURE LIMITS/GUIDELINES - CANADA						
	Result	**Nova Scotia**	**Nunavut**	**Ontario**	**Quebec**	**Yukon**
Quartz (14808-60-7)	**TWAs**	0.025 mg/m3 TWA (respirable fraction)	0.1 mg/m3 TWA (respirable mass); 0.3 mg/m3 TWA (total mass)	0.10 mg/m3 TWA (designated substance regulation, respirable)	0.1 mg/m3 TWAEV (respirable dust)	300 particle/mL TWA (listed under Silica)

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 Limit 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	14808-60-7	Tumorigenic/Carcinogen: ihl-rat TCLo:50 mg/m3/6H/71W-I

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
Quartz (Silica)	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen

Reproductive Effects • None Known

Other Information • 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 • No information available for the product.
Bio accumulative potential • 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**
Quartz	14808-60-7	Yes	Yes	Yes
INVENTORY				
Component	**CAS**	**MA**	**NJ**	**PA**
Quartz	14808-60-7	Yes	No	Yes

WARNING: This product can expose you to chemicals including silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Section 16: Other Information

Last Revision Date • February 24, 2025

Preparation Date • February 24, 2025

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.