

Native ® Custom Stone – Safety Data Sheet

Manufactured Stone Veneers

Date of Issue: 7/14/2016 Version: 1.0

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Name: Manufactured Stone Veneers

1.2 Intended Use of the Product

Building Material – Non Structural Decorative Accents (includes all types and colors) - Native® Custom Stone products are Intended for interior or exterior nonstructural use as a lightweight veneer facing on masonry, metal framed, or wood framed construction for architectural aesthetics. Products are created by master craftsmen who select the best textures, sizes and Shapes from natural stones. These products are suitable for use on residential and commercial projects of many types. Native® Custom Stone products are produced in preselected sizes and shapes. No additional foundation or structural support is required. Installation is quick and easy, and costs far less than a full thickness natural stone wall.

**** See manufacturer's published literature for available accessory styles and colors or www.nativecustomstone.com

1.3 Name, Address, and Telephone Number of the Responsible Party / Company

Native Custom Stone, LLC
236 Hightower Parkway
Dawsonville, GA 30534 USA
706.216.5545 / 888.823.0745
www.nativecustomstone.com

1.4 Emergency Telephone Number

706.216.5545

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the Substance or Mixture

This product is an article as defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200(c)) and is exempt from its regulatory requirements when handled as a manufactured item. This SDS contains additional health hazard information that is related to dust generation during construction.

Classification (GHS-US)

Eye Irritation 2B

Respiratory Irritation STOT Single Exposure 3

Respiratory Illness STOT Repeated Exposure 2

Carcinogen A

2.2 Label Elements

GHS-US Labeling Hazard

Pictograms (GHS-US)



Signal Word (GHS-US):

- Warning

Hazard Statements

(GHS-US):

- May cause eye irritation (H320)
- May cause respiratory irritation (H335)
- May cause cancer (H350)
- May cause damage to respiratory system through prolonged or repeated exposure (H372)

Precautionary

Statements (GHS-US):

- Do not handle until all safety precautions have been read and understood (P202)
- Avoid breathing dust; in case of inadequate ventilation, wear respiratory protection (P264) (P284)
- Cut/grind/chip product in a well-ventilated area or use a wet saw (P271)
- Wear protective gloves, protective clothing, and eye protection (P280)
- IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing (P304) (P340)
- IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing until pain or irritation subsides. (P305) (P351) (P338)
- If symptoms persist: Get medical advice/attention (P308) (P313)

2.3 Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Native ® Custom Stone – Safety Data Sheet

Manufactured Stone Veneers

Date of Issue: 7/14/2016 Version: 1.0

SECTION 2: HAZARD(S) IDENTIFICATION ... continued

2.4 Unknown Acute Toxicity (GHS-US)

N/A

SECTION 3 : COMPOSITION and INFORMATION ON INGREDIENT

3.1 – Description of Product

Synthetic Stone Veneer - Native® Custom Stone products are cast in molds using a unique process that replicates existing colors and textures with meticulous detail. Each color and texture has its own blend of ingredients, including Portland cement, lightweight aggregates and iron oxide pigments, producing the look and feel of natural stone

3.2 – Mixture

Hazardous Ingredients*:	Total Dust	Respirable Dust
Portland Cement (CAS #65997-15-1) – approximately 30% to 40% by weight.		
ACGIH TLV	10mg/m3 TWA	
OSHA PEL	15mg/m3 TWA	5mg/m3 TWA
Cal OSHA PEL	10mg/m3 TWA	5mg/m3 TWA
Expanded Clay Lightweight Aggregate (CAS # 68334-37- 2) – approximately 40% to 60% by weight.		
ACGIH TLV	10mg/m3 + (% SiO 2)	
Iron Oxide Pigments (CAS #1309-37-1) – approximately 0% to 3% by weight		
ACGIH TLV	5 mg/m3 (dust and fume)	
OSHA PEL	10 mg/m3 (dust)	

Note: * The ingredients listed above are combined with water to produce a concrete mix that cures and hardens into a precast concrete veneer product. Various reactions occur during the mixing and curing process.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. Any person who is experiencing symptoms of injury or illness should be moved to a comfortable area with fresh air, and the label or SDS of this product reviewed. **Inhalation:** If symptoms of dust exposure (respiratory irritation) occur, move the person to fresh air. Provide drinking water, if conscious, to flush mouth and irrigate upper respiratory tract. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Eye Contact: If injury is due to a projectile, seek immediate medical attention. If the person's symptom is eye irritation due to dust exposure, careful flushing with clean water should continue for at least 15 minutes. If contact lenses are present, they should be removed after flushing. Flushing should continue until irritation subsides. Medical attention should be obtained if irritation persists.

Skin: Injuries to skin due to abrasion, laceration, or crushing should be treated by flushing with clean water, followed by first aid (application of disinfectant and bandage). If the injury is more extensive or irritation and pain persists, medical attention should be sought.

4.2 Most Important Symptoms and Effects-Both Acute and Delayed

General: The most important symptoms and effects from exposure to this product's dust is respiratory irritation and respiratory system chronic illness if significant exposures occur repeatedly.

Inhalation: The immediate acute response to dust inhalation is respiratory system irritation. Upon repeated high levels of dust exposure may cause delayed or chronic respiratory illnesses, including silicosis and cancer.

Eye Contact: Exposures of the eyes to particles and dust may result in irritation, pain, redness, and blurred vision, which is usually temporary.

Skin Contact: Other than abrasion and irritation, skin contact does not cause delayed or chronic symptoms

4.3 Indication of Immediate Medical Attention and Special Treatment

Any time symptoms of eye irritation or respiratory irritation persist, medical attention should be obtained.

Native ® Custom Stone – Safety Data Sheet

Manufactured Stone Veneers

Date of Issue: 7/14/2016 Version: 1.0

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Finished product is not combustible.

5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not combustible.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions are not expected to occur under normal conditions.

5.3 Advice for Firefighters

N/A.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

General Measures

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip clean-up crew with proper protection.

Emergency Procedures: Ventilate area if dust is generated.

6.2 Environmental Precautions

Reuse product if possible to avoid disposal.

6.3 Methods and Material for Containment and Clean-Up

Containment: Contain and collect as any solid. Avoid actions that cause dust to become airborne. Do not breathe

Dust and do not allow large quantities of dust to contact skin.

6.4 Reference to Other Sections

See Section 8. Exposure Controls and Personal Protection. For further information, refer to Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards when Processed:

Use all appropriate measures of dust control or suppression and Personal Protective Equipment (PPE) described in Section 8.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking, and again when leaving work.

7.2 Conditions for Safe Storage, Including any Incompatibilities

N/A.

7.3 Specific End-Use(s)

N/A

Native ® Custom Stone – Safety Data Sheet

Manufactured Stone Veneers

Date of Issue: 7/14/2016 Version: 1.0

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Limits

The following exposure limits are based on a time-weighted full- shift exposure, unless otherwise noted.

Ingredient	OSHA PEL ¹	ACGIH-TLV	Other
Expanded clay	15mg/m ³ (total dust); 5 mg/m ³ (respirable fraction)	10 mg/m ³ (total dust); 3 mg/m ³ (respirable fraction)	
Portland cement	15mg/m ³ (total dust); 5 mg/m ³ (respirable fraction)	1mg/m ³ (respirable fraction containing no asbestos and < 1% crystalline silica)	(total dust); 5 mg/m ³ (respirable fraction)
Iron oxide	<u>Fume</u> : 10 mg/m ³ (total dust); <u>Particulate</u> : 15 mg/m ³ (total dust); 5 mg/m ³ (respirable fraction)	5 mg/m ³ (respirable dust)	NIOSH REL – 5 mg/m ³ (total dust)

Notes:

- (1) OSHA PEL (Permissible Exposure Level at 29 CFR 1910.1000)
- (2) ACGIH-TLV (American Conference of Governmental Industrial Hygienists-Threshold Limit Values 2015)
- (3) NIOSH REL (National Institute for Occupational Safety & Health Recommended Exposure Limit)
- (4) Canadian Provincial and other nation control parameters are listed on the Supplement.

8.2 Exposure Controls

Appropriate Engineering Controls: Power equipment should be equipped with wet dust suppression or dust collection devices if cutting/grinding/chipping product. Emergency eyewash equipment should be Available in the immediate vicinity of any potential exposure. Use local exhaust or general dilution ventilation, or other suppression methods to maintain dust levels below exposure limits

Personal Protective Equipment: Protective goggles or safety glasses, and gloves. Wear respiratory protection if dust is present when cutting/grinding/chipping product.



Native ® Custom Stone – Safety Data Sheet

Manufactured Stone Veneers

Date of Issue: 7/14/2016 Version: 1.0

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION...continued

Hand Protection: Protective gloves as appropriate to prevent abrasion and hand injuries.

Eye and/or Face Protection: Approved safety glasses, goggles, and/or face-shield.

Skin and Body Protection: Appropriate work clothing and footwear should be worn.

Respiratory Protection: If Exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

PHYSICAL/CHEMICAL PROPERTIES -

• Compressive strength (ASTM C192/ASTM C39) - 1800 psi (12.4 MPa)

• Bond strength (ASTM C482) - 50 psi (345 kPa)

• Thermal resistance (ASTM C177) - 0.355 per inch (25.4 mm) of thickness

Appearance: Stones come in a wide range of colors. **** See manufacturer's published literature for available accessory styles and colors or www.nativecustomstone.com

Odor: N/A.

Odor Threshold: N/A

pH: Not available .

Evaporation Rate: N/A

Melting Point: N/A.

Freezing Point: N/A

Boiling Point: N/A

Flashpoint / Max Flame Front: 0.0Feet

Auto-Ignition Temperature: 363.2°F

Decomposition Temperature: N/A.

Flammability (solid, gas): N/A.

Lower Flammable Limit: N/A

Upper Flammable Limit: N/A

Vapor Pressure: N/A

Relative Vapor Density at 20° C: N/A

Relative Density: N/A

Specific Gravity: 2.6

Solubility: Negligible in water.

Partition Coefficient-N-Octanol/Water: Not available.

Viscosity: Not available.

Explosion Data-Sensitivity to Mechanical Impact: Not expected to present an explosion hazard due to mechanical impact.

Explosion Data-Sensitivity to Static Discharge: Not expected to present an explosion hazard due to static discharge.

9.2 Technical Data – (Applicable Standards) (ASTM)

- ASTM C39 Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
- ASTM C67 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile
- ASTM C91 Standard Specification for Masonry Cement
- ASTM C150 Standard Specification for Portland Cement
- ASTM C177 Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus
- ASTM C177 Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus
- ASTM C192 Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory
- ASTM C207 Standard Specification for Hydrated Lime for Masonry Purposes
- ASTM C270 Standard Specification for Mortar for Unit Masonry
- ASTM C482 Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement
- ASTM C567 Standard Test Method for Unit Weight of Structural Lightweight Concrete
- ASTM D226 Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing

Native ® Custom Stone – Safety Data Sheet

Manufactured Stone Veneers

Date of Issue: 7/14/2016 Version: 1.0

Uniform Building Code -

- UBC Standard 15-5 for Water Absorption
- UBC Standard 14-1 Kraft Waterproof Building Paper
- UBC Standard 26-10 Parts I and IV; Test Method for Compressive Strength of Cylindrical Concrete Specimens

APPROVALS & ACCEPTANCES -

ICC Evaluation Service, Inc. (ES) ESR #3246

- Freeze/thaw (ASTM C67) - No disintegration and less than 3% weight loss

Note - Test reports and product data are available upon request.

All Native® Custom Stone manufactured stone veneer products are created using noncombustible materials. These materials are inspected on a quarterly basis by QCC, Quality Control Consultants.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions are not expected to occur under normal conditions.

10.2 Chemical Stability

Stable

10.3 Possibility of Hazardous Reactions

N/A

10.4 Conditions to Avoid

N/A

10.5 Incompatible Materials

N/A

10.6 Hazardous Decomposition Products

N/A

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Likely Routes of Exposure

Skin Contact: Product is abrasive and may irritate unprotected skin

Eye Contact: When product is shaped or cut, chips or dust may enter unprotected eyes and cause injury or irritation.

Inhalation: When product is shaped or cut, respirable dust may be generated that, when inhaled, can cause respiratory system irritation. Prolonged or repeated inhalation exposure may cause chronic illness.

Ingestion: Not expected to be an exposure route of concern.

11.2 Symptoms Related to Physical, Chemical, and Toxicological Characteristics

Immediate Effects: Irritation of skin, eyes, and respiratory tract due to abrasion or dust inhalation will produce immediate discomfort.

Delayed and Chronic Effects: Inhalation of dust on a prolonged or repeated basis may result in chronic lung Disease or silicosis, and may also result in lung cancer, in particular among tobacco smokers.

11.3 Numerical Measures of Toxicity

The acute and chronic effects of exposure to this product's dust have not been quantified.

11.4 Carcinogenicity

Not Available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No additional information is available.

12.2 Persistence and Degradability

Not available.

12.3 Bioaccumulative Potential

Not available

12.4 Mobility in Soil

Not available

12.5 Other Adverse Effects

Not available

Native ® Custom Stone – Safety Data Sheet

Manufactured Stone Veneers

Date of Issue: 7/14/2016 Version: 1.0

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal Recommendations: Scrap Material should be re-used or recycled. Waste is not a hazardous Waste, as defined by the Resource Conservation and Recovery Act (RCRA) (40CFR 261).
Dispose of waste material in accordance with all local, regional, national, provincial, territorial, and international regulations.

SECTION 14: TRANSPORT INFORMATION

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.

14.4 In Accordance with TDG

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 U.S Federal Regulations

Stone

Exempt article {40 CFR 370.13(b)}

SARA Section 313 Emission Reporting

This product may contain constituents listed under SARA (Title III) Section 313, but not in amounts requiring supplier notification under 40 CFR Part 372, Subpart C.

TSCA Inventory

All constituents are included in Toxic Substances Control Act Chemical Inventory {40 CFR 720}.

15.2 U.S State Regulations

State Right to Know Laws

This product, as an article, is exempt from hazardous substance inventory reporting under the Massachusetts, New Jersey, and Pennsylvania right to know laws.

California Proposition 65 – Warning Required

Warning: This product contains chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.

15.3 Canadian Regulations

DSL

All ingredients are listed or exempt from inclusion on the Canadian Domestic Substances List {DSL}.

WHMIS

Class D, Division 2, Subdivision A – Material causing other toxic effects.

This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contain all of the information required by the CPR.

15.4 Other: HMIS

HMIS:



Native ® Custom Stone – Safety Data Sheet

Manufactured Stone Veneers

Date of Issue: 7/14/2016 Version: 1.0

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

Party Responsible for Preparation of this Document

Native Custom Stone, LLC
706.216.5545 / 888.823.0745

Limitations

The information and recommendations set forth herein are based on data and testing we have in our possession, and we have reason to believe is true and accurate. It is, however, the end user's responsibility to determine the safety, toxicity, or suitability for his/her own use of the herein described product. Because the actions of others is beyond our control, Native Custom Stone, LLC, makes no warranty expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.

(All testing is available on our website www.nativecustomstone.com)

Warranty

Native® Custom Stone products are covered for a period of 50 years from the date of purchase when used on a structure which conforms to local building codes and when installed in accordance with building codes and manufacturer's instructions. Native® Custom Stone will repair or provide, free of charge, new materials to replace any determined to be defective.

