



## Material Safety Data Sheet

Material Name: St.Croix Stone Veneer

MSDS: 01 (Issued 06/01/06)

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**Product Name(s):** Precast Stone Veneer

St. Croix Stone, Inc.  
5935 410<sup>th</sup> Street  
North Branch, MN 55056

**Emergency Contacts:** Monday thru Friday

St. Croix Stone, Inc.  
Tel: (651) 277-8770 (8am – 5pm CST)

**Health & Technical Contacts:**

Hours listed are staffed Monday thru Friday excluding holidays

Health Issues & Technical Information (8am – 5pm CST): (651) 277-8770

Product Information (8am – 5pm CST): (651) 277-8770

### SECTION 2 – COMPOSITION / INGREDIENT INFORMATION

**Hazardous Ingredients:**

**Portland Cement** – Approximately 25-35% by weight.

**Lightweight Aggregate** – Approximately 50-60% by weight.

**Quartz** (Crystalline Silica) – Approximately 0% to 5% by weight.

**Iron Oxide Pigments** – Approximately 0% to 5% by weight.

**Chemical Admixtures** – Approximately 0-5% by weight.

**Related Regulatory Information:** This product contains Crystalline Silica and one or more Iron Oxide pigments.

**Component Information:** As provided, this product is expected to produce minimal hazards to all users. However, if dusts were generated they would contain small amounts of hazardous material as defined by **29 CFR 1910.1200 (Hazard Communication)**.



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### SECTION 3 – HAZARDS IDENTIFICATION

**Appearance and Odor:** Cured concrete product of varying size, shape, color, and texture that closely resembles natural stone. No specific odor is associated with this product.

**Emergency Overview:** No unusual conditions are expected to arise during the use of this product. Inhalation of dusts generated during modification of the material may cause respiratory irritation.

#### Potential Health Effects

**Inhalation:** Concrete stone veneer products contain mineral dust and crystalline silica, which may be released as dust when dry cutting, sawing, grinding, sanding, breaking, or drilling. Dusts from this product may cause irritation of the nose, throat, and respiratory tract by mechanical abrasion. Prolonged and repeated inhalation of respirable crystalline silica can cause silicosis, a chronic lung disease characterized by fibrosis and scarring of the lung tissue. Effects of these conditions include decreased lung function, breathlessness, coughing, wheezing, and phlegm production. Extreme overexposures must be avoided as short-term inhalation of large dust quantities can produce acute silicosis. This disease (Acute Silicosis) progresses rapidly after initial overexposure and has been reported to cause death within 1-2 years.

**Ingestion:** Intentional or accidental ingestion of this product is unlikely. If ingested, this product may pose choking hazards along with gastrointestinal irritation and disturbance.

**Eye Contact:** Dust generated from this product may cause irritation to the eyes. Effects of this irritation include redness, tearing, and blurred vision. Such exposures require immediate first aid (**Section 4**) and may require medical attention to prevent damage to the eye(s).

**Skin Contact:** Dust from this product may cause short-term irritation and itching.

**Medical Conditions Aggravated by Exposure:** Chronic respiratory or skin conditions may temporarily worsen from exposure to dust from this product. Consult your physician for further information.



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**Other Medical Considerations Related to Exposure:** Precast stone veneer is not listed as a carcinogen by OSHA, IARC, or NTP. It does contain crystalline silica and trace amounts of substances listed as carcinogens by the affore mentioned organizations. These substances include lead compounds, nickel compounds, mercury compounds, hexavalent chromium, arsenic, cadmium compounds, aniline, cobalt oxide, and possibly other chemicals which may result in exposures requiring the following warning pursuant to **California Proposition 65**.

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

### SECTION 4 – FIRST AID MEASURES

**Ingestion:** Intentional or accidental ingestion of this product is unlikely. If ingested, watch the person for several days to ensure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel.

**Inhalation:** If inhaled, promptly remove the individual to fresh air and monitor condition. Dust in throat and nasal passages will clear spontaneously. Seek medical assistance if irritation persists or later develops.

**Eye Contact:** Immediately use eye wash station or other similar means to flush eye(s) with clean water for a minimum of fifteen minutes, holding the eyelids open if possible. Occasionally lift the eyelid(s) to ensure all particles are removed. Do not attempt to physically remove the material from the eye(s). Seek medical attention if irritation persists or other conditions arise.

**Skin Contact:** Wash affected areas with soap and water. Seek medical attention if irritation persists or later develops.

### SECTION 5 – FIRE SUPPRESSION METHODS

<b>Flash Point:</b>	None	<b>Flammability Classification:</b>	Non-Flammable
<b>Flash Point Method:</b>	Not Applicable	<b>Upper Flammability Limit:</b>	Not Applicable
<b>Auto Ignition Temperature:</b>	Not Applicable	<b>Lower Flammability Limit:</b>	Not Applicable



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**Extinguishing Media:** This product is non-combustible. Use all available media types that are suitable for the surrounding fire(s).

**Hazardous Combustion Products:** None

**Unusual Fire and Explosive Hazards:** None known or identified.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Containment Procedure:** Sweep, shovel, or otherwise gather materials and place in a suitable container for disposal as non-hazardous waste. Dust generated by this material will settle out of the air. If visible dust accumulation occurs, this material can be similarly collected and disposed as non-hazardous waste.

**Clean-Up Procedures:** Sweep up or otherwise gather material and place in appropriate container for disposal. Wash affected areas; do not wash into storm drains or other environmentally sensitive systems. Wear all appropriate PPE during cleanup. Attempt to avoid the generation of dust during cleanup.

**Response Procedures:** Isolate affected area while keeping all unnecessary personnel away.

**Special Procedures:** No other known procedures are required.

### SECTION 7 – HANDLING AND STORAGE

**Handling Procedures:** No special procedures are required for this material. Avoid the generation of dusts from this material. Precautions should be taken to avoid dust contact with eyes and skin along with inhalation and ingestion.

**Storage Procedures:** No special restrictions apply to this material.



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### SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure Guidelines:** Although cured concrete products pose little if any exposure risk as packaged/delivered, the generation of dusts during modification requires that individuals follow all applicable exposure limits and use required PPE to prevent the possibility of harmful exposure.

**General Product Information:** Precast stone veneer contains crystalline silica and mineral dust. During sawing, dry cutting, grinding, drilling, or sanding this dust may become airborne. To avoid overexposure, follow all applicable exposure limits whenever dust is generated.

**Ventilation:** General dilution alone or in combination with local exhaust ventilation may be necessary to minimize and maintain exposures below applicable occupational exposure limits.

**Additional Control Measures:** Levels of respirable dust should be monitored regularly. Levels found to be in excess of applicable exposure limits should be reduced through the use of practical engineering controls. Respirators must be worn when such controls are not practical or do not completely control dust generation.

**Respiratory Protection:** To control exposures when ventilation or other controls are inadequate, a properly fitted NIOSH or MSHA approved particulate filter respirator should be used. All respiratory protection programs should meet the requirements of the OSHA respiratory protection standard (29 CFR 1910.134). Respirator / filter selection should be based on ANSI standard Z88.2.

**Eye/Facial Protection:** While handling the product in any manner that could generate particulate matter, wear safety glasses with side shields. Face shields should also be used when dry sawing. When excessive visible amounts of dust are present or expected, dust goggles should be worn (ANSI Z87.1) Contact lenses are not suitable for use during most modifications to the stone veneer.



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### SECTION 9 – Chemical & Physical Properties

**Appearance:** Cured lightweight concrete product of various dimensions, textures and colors.

Physical State:	Solid
Boiling Point:	Not Applicable
Freezing Point:	Not Applicable
Specific Gravity:	Not Applicable
Solubility:	Not Applicable
PH:	Not Applicable
Odor:	Not Applicable

### SECTION 10 – Reactivity Data

<b>Stability</b> -----	This material is stable
<b>Conditions To Avoid</b> -----	Dispersion of dust into air
<b>Incompatible Materials</b> -----	None Identified
<b>Hazardous Polymerization</b> -----	None Identified
<b>Hazardous Decomposition Products</b> -----	Will not occur

### SECTION 11 – Toxicology Data

#### Chronic and Acute Toxicity:

**General Product Information:** Dusts from dry cutting, sawing, sanding, grinding, drilling or breaking of this product may cause mechanical irritation to the eyes and skin. Inhalation of dust can cause coughing, sneezing, and nose/throat irritation. Higher levels of exposure can cause breathing difficulty, tightness of the chest, and congestion. Ingestion of dust may cause irritation of the throat, stomach, and intestinal tract.



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### **Carcinogenicity:**

**General Product Information:** CRYSTALLINE SILICA- According to research conducted by the International Agency for Research on Cancer (**IARC**), “sufficient evidence exists in humans for the carcinogenicity of crystalline silica in the forms of quartz or cristobalite from occupational sources.” Carcinogenicity may depend on specific characteristics of the crystalline silica and/or external factors affecting its biological activity.

Silica-crystalline quartz has resulted in the development of blood, lung, and liver tumors in rats after exposure administered by inhalation and injection(s).

### **Component Carcinogenicity:**

#### **Silica, Crystalline (Quartz)**

**IARC:** Monograph 68, 1997- Carcinogenic to humans (Group 1)

**NTP:** Known Carcinogen

**ACGIH:** A2- Suspected human carcinogen

#### **Iron Oxide**

**IARC:** Supplement 7, 1987; Monograph 1, 1972 (Group 3 (not classifiable)).

**ACGIH:** A4- Not classifiable as a Human carcinogen (dust/fume, as Fe)

## SECTION 12 – Ecological Information

**Environmental Fate:** No information available for this product.

**Ecotoxicity:** No information available for this product.

## SECTION 13 – Disposal Considerations

**General Product Information:** None of this product components are identified as hazardous waste.

**Waste Disposal Methods:** Residual and/or excess material scrap from this product does not meet any of the characteristics of hazardous waste, nor are they listed as hazardous waste.



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### SECTION 14 – Transport Information

#### US DOT Information

**Shipping Name:** Not Regulated  
**Hazard Class:** None  
**UN/NA#:** None  
**Packing Group:** None  
**Required Labels:** None  
**Additional Info:** None

#### TDG Information

**Shipping Name:** Not Regulated  
**Hazard Class:** None  
**UN/NA#:** None  
**Packing Group:** None  
**Required Labels:** None  
**Additional Info:** None

### SECTION 15 – Regulatory Information

#### US Federal Regulations

**General Product Information:** No Information currently available for the product.

**Component Analysis:** None of the components contained in this product are listed under SARA sec. 302 (40 CFR 355 Appendix A), SARA sec. 313 (40 CFR 372.65) or CERCLA

#### SARA 311 & 312:

Acute Health Hazard-----Yes (when dusts are generated)  
Chronic Health Hazard-----Yes (when dusts are generated)  
Fire Hazard-----No  
Sudden Release of Pressure Hazard-----No  
Reactive Hazard-----No

**Clean Air Act:** None of the components used to make this product are listed on the Clean Air Act- 1990 Hazardous Air Pollutants List.

#### State Regulations

**General Product Information:** No Information currently available for the product.



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**Component Analysis-State:** The components listed below appear on one or more of the following state hazardous substances lists:

Component	CA	FL	MA	MN	NJ	PA
Iron Oxide	Yes	Yes	Yes	Yes	Yes	Yes
Quartz	No	Yes	Yes	Yes	Yes	Yes

**Other Regulations-California:** As provided under the California Safe Drinking Water and Toxic Enforcement of 1986, the following statement applies:

**WARNING!** This product contains a chemical known to the state of California to cause cancer.

**Other Regulations-Canada:** The following components have been identified under the Canadian Hazardous Products Act Ingredient Disclosure List.

**Iron Oxide (CAS# 1309-37-1): 1% item 762 (1327)**

### SECTION 16 – Other Information

**HMIS & NFPA Ratings:** Health-----1  
Flammability-----0  
Reactivity-----0

#### **Definitions:**

TWA= Time Weighted Average    EPA= Environmental Protection Agency

TLV= Threshold Limit Value    CFR= Code of Federal Regulations

PEL= Permissible Exposure Limit    TSCA= Toxic Substance Control Act

NTP= National Toxicology Program    MSDS= Material Safety Data Sheet

OSHA= Occupational Safety and Health Administration

NFPA= National Fire Protection Association

NIOSH= National Institute for Occupational Safety and Health

IARC= International Agency for Research on Cancer

PPE= Personal Protective Equipment

HMIS= Hazardous Material Identification System

CERCLA= Comprehensive Environmental Response, Compensation and Liability Act

SARA= Superfund Amendments and Reauthorization Act

**Revision Summary:** No revisions are currently available for this MSDS.



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Get an MSDS for St. Croix Stone products electronically by visiting our website:  
<http://www.stcroixstone.com> or by calling us directly: **(651) 277-8770 M-F (8am-5pm CST)**

This MSDS provides detailed information on all types of St. Croix Stone manufactured products. WHILE EVERY ATTEMPT HAS BEEN MADE TO CLEARLY LIST AND DEFINE ALL RELEVANT ASPECTS OF OUR PRODUCTS, NO WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, HAS BEEN MADE WITH REGARD TO THE INFORMATION CONTAINED HEREIN. ST. CROIX STONE, INC. ACCEPTS NO RESPONSIBILITY AND DISCLAIMS ANY / ALL LIABILITY FOR ANY HEALTH EFFECTS CAUSED BY EXPOSURE DURING THE HANDLING, USE, OR INSTALLATION OF THIS PRODUCT. FURTHERMORE, CUSTOMERS / USERS OF PRECAST STONE VENEER SHOULD COMPLY WITH ALL APPLICABLE SAFETY, HEALTH, AND ENVIRONMENTAL LAWS, ORDERS AND REGULATIONS PERTAINING TO THE SAFE USE OF THIS PRODUCT.

**This is the end of MSDS # 01**

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