

Material Safety Data Sheet

Original 06/23/08 Revision 05/02/09



SECTION 1 COMPANY AND PRODUCT INFORMATION

Product Name: ClipStone Manufactured Stone Veneer

Environmental Materials LLC dba Environmental StoneWorks

6300 East Stapleton Drive South

Denver, CO 80216

Emergency and Technical Information: 303-309-3040 8am – 5pm MST

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration (approximate)
Portland Cement (Respirable Quartz)	65997-15-1	25-35% by weight
Lightweight Aggregate (Crystalline Silica)	14808-60-7	50-60% by weight
Iron Oxide Pigments	1309-37-1	0-5% by weight
Chemical Admixtures	proprietary	0-5% by weight

SECTION 3 HAZARD IDENTIFICATION

Emergency Overview: Manufactured stone veneer varies in size, shape, color and texture. Negative health effects are not expected to occur during the use of this product; however, inhalation of dusts, during dry cutting, sawing, grinding, sanding, breaking, or drilling, may cause respiratory irritation.

Potential Health Effects:

Eye Contact: Irritation of the eyes may occur, due to the generation of dust from dry cutting, sawing, grinding, sanding, breaking, or drilling this product. Irritation include redness, tearing, and blurred vision. Provide immediate first aid (Section 4) and if necessary, seek medical attention.

Ingestion: This product should not be eaten. If ingested accidentally, this product may pose a choking hazard.

Inhalation: This products contain crystalline silica. Dust is generated when dry cutting, sawing, grinding, sanding, breaking, or drilling this product. Prolonged exposure to crystalline silica can aggravate other lung conditions and cause silicosis, a disabling and potentially fatal lung disease. Exposure to this dust may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system. It may also leave unpleasant deposits in the nose.

Skin Contact: Dust is generated when dry cutting, sawing, grinding, sanding, breaking, or drilling this product. This dust may cause irritation.



SECTION 3 HAZARD IDENTIFICATION (CON'D)

Medical Conditions Aggravated by Exposure:

Pre-existing upper respiratory and lung disease or unusual sensitivity to dust.

Carcinogenic potential:

Manufactured stone veneer is not listed as a carcinogen by NTP, OSHA or IARC. It may however, contain trace amounts of substances listed as carcinogens by these organizations. Crystalline Silica is a potential trace level contaminate and the potential for exposures requires the following warning pursuant to California Proposition 65.

WARNING: This product may contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

SECTION 4 FIRST AID MEASURES

<u>Eye Contact:</u>	Immediately flush eyes thoroughly with water. Continue flushing eyes for at least 15 minutes, including under lids to remove all particles. Call physician immediately.
<u>Ingestion:</u>	Do not induce vomiting. Call physician immediately.
<u>Inhalation:</u>	Remove to fresh air. Seek medical help if coughing and other symptoms do not subside.
<u>Skin Contact:</u>	Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation persists.

SECTION 5 FIRE AND EXPLOSION DATA

Auto ignition temperature:	Not combustible
Extinguishing media:	Not combustible
Unusual fire and explosion hazards:	None
Hazardous combustion products:	None
Flash point:	None
Lower explosive limit:	None
Upper explosive limit:	None
Special fire fighting procedures:	None

SECTION 6 ACCIDENTAL RELEASE MEASURES

Sweep or scoop up materials. Avoid actions that cause dust to become airborne. Avoid inhalation of dust and contact with skin. Wear appropriate personal protective equipment as described in Section 8. Dispose of non-hazardous waste materials according to local, state and federal regulations.

SECTION 7 HANDLING AND STORAGE

There are no special handling or storage procedures for this product; however, it is best to avoid the generation of dusts.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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 and Ventilation Requirements: Manufactured stone veneer contains crystalline silica and mineral dust. During dry cutting, sawing, grinding, sanding, breaking, or drilling this product, dust may become airborne. To avoid overexposure, follow all applicable exposure limits whenever dust is generated. General dilution alone or in combination with local exhaust ventilation may be necessary to minimize and maintain exposures below applicable occupational exposure limits.

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. 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.

Skin Protection: Proper work gloves should be worn when appropriate.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Cured lightweight concrete product of various dimensions, textures and colors.
Physical State:	Solid
Odor:	Not Applicable
Boiling/Freezing Point:	Not Applicable
Specific Gravity:	Not Applicable
Solubility:	Not Applicable
PH:	Not Applicable

SECTION 10 STABILITY AND REACTIVITY

Stability:	This material is stable
Conditions to avoid:	Dispersion of dust into air
Incompatible materials and hazardous polymerization:	None Identified
Hazardous decomposition products:	Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

General Product Information: Dusts from dry cutting, sawing, grinding, sanding, breaking, or drilling 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.

Carcinogenicity: 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

No information available for this product.

SECTION 13 DISPOSAL

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.

SECTION 14 TRANSPORTATION DATA

	<u>US DOT</u>	<u>TDG</u>
Shipping Name:	Not Regulated	Not Regulated
Hazard Class:	None	None
UN/NA#:	None	None
Packing Group:	None	None
Required Labels:	None	None
Additional Info:	None	None

SECTION 15 OTHER REGULATORY INFORMATION

None of the components contained in this product are listed under SARA sec. 302 (40 CFR 355 Appendix A), or CERCLA (40 CFR 302.4).

SARA 311 & 312: Acute & Chronic Health Hazard when dusts are generated. There are no Fire Hazard, Sudden Release of Pressure Hazard or Reactive Hazard.

EPCRA Section 313: This product may contain Chromium (1308-38-9), a chemical subject to reporting requirements.

Canadian and State Regulations: Iron Oxide and Quartz appear on one or more state hazardous substances lists, as well as the Canadian Hazardous Products Act Ingredient Disclosure List.

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

WARNING: This product may contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 OTHER INFORMATION

HMIS & NFPA Ratings: Health.....1 Flammability.....0 Reactivity.....0

This MSDS provides detailed information on Environmental StoneWorks' manufactured stone veneer and other 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. Environmental StoneWorks accepts no responsibility and disclaims any and all liability for any health effects caused by exposure during the handling, use or installation of this product. Furthermore, customers and users of manufactured stone veneer should comply with all applicable Environmental, Health and Safety laws, orders and regulations pertaining to the safe use of this product.