



Material Safety Data Sheet

Material Name: Stone Veneer

MSDS ID: PGS-001

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Ply Gem Industries, Inc.
Ply Gem Stone
2600 Grand Blvd, Suite 900
Kansas City, MO 64108

Phone: (800) 788-1964

Emergency # Toll-Free (800) 424-9300 (Chemtrec)

Product Use: Decorative stone veneer.

Synonyms: Fieldstone, Shadow Ledge stone, Ledge stone, Cut Cobblestone, Cobblestone, Ridgestone, Riverstone

*** Section 2 - Hazards Identification ***

Emergency Overview

This is a non-combustible, non-reactive solid article. It is supplied in the form of cast pieces designed to resemble natural stone, which under normal conditions of handling and use do not present a hazard. Cutting, grinding, or sanding operations may release dust. Exposure to powder or dusts may be irritating to eyes, nose, and throat. Repeated or prolonged exposure to the dust may damage the lungs. Decorative Stone contains traces of quartz and silica which are classified as carcinogens.

Potential Health Effects: Eyes

Dust or powder may irritate eye tissue. Rubbing may cause abrasion of cornea. Symptoms can include irritation, redness, scratching of the cornea, and tearing.

Potential Health Effects: Skin

Dust or powder may irritate the skin. Mechanical rubbing may increase skin irritation. No components in this product are known to be absorbed through the skin.

Potential Health Effects: Ingestion

May cause temporary irritation of the throat, stomach, and gastrointestinal tract.

Potential Health Effects: Inhalation

Dusts from this product may cause irritation of the nose, throat, and respiratory tract. When inhaled in very large amounts, damage to the lungs can occur.

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

CAS #	Substance	Percent
Manufactured Article	Synthetic Stone (light stone/mineral aggregate)	100

Component Information/Information on Non-Hazardous Components

Stone veneer is a solid article produced by combining various raw materials, melting these components together, and cooling them to a solid which has its own unique properties.

Processing of this article may produce dusts that are considered hazardous under U.S. 29 CFR 1910.1200 (Hazard Communication).

Material Safety Data Sheet

Material Name: Stone Veneer

MSDS ID: USV001

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Eye injuries from dust or chips should be treated by a physician immediately.

First Aid: Skin

Cuts or abrasions should be treated promptly with thorough cleansing of the affected area. Obtain medical attention if irritation develops or persists.

First Aid: Ingestion

Ingestion is an unlikely route of exposure. However, if the material is swallowed, injuries from particles may result. Do not induce vomiting; obtain immediate medical attention.

First Aid: Inhalation

Move affected individual to fresh air. Obtain medical attention if symptoms persist.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

This material will not burn.

Hazardous Combustion Products

None.

Extinguishing Media

Use methods appropriate for the surrounding fire.

Fire Fighting Equipment/Instructions

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Avoid creating dust.

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Collect spill using a vacuum cleaner with a HEPA filter. Place in a closed container. Avoid creating or breathing dust.

Evacuation Procedures

None.

Special Procedures

Regulations vary. Consult local authorities before disposal.

*** Section 7 - Handling and Storage ***

Handling Procedures

Do not inhale dusts. Avoid generation of airborne dusts. Avoid contact with skin and eyes. Wash thoroughly after handling.

Storage Procedures

Store in a dry area.

Material Safety Data Sheet

Material Name: Stone Veneer

MSDS ID: USV001

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Consult local authorities for acceptable exposure limits.

Iron oxide (1309-37-1)

- ACGIH: 5 mg/m³ TWA (respirable fraction)
- OSHA: 10 mg/m³ TWA (fume)
- NIOSH: 5 mg/m³ TWA (dust and fume, as Fe)
- Alberta: 5 mg/m³ TWA (dust and fume, as Fe); 10 mg/m³ TWA (regulated under Rouge)
- British Columbia: 5 mg/m³ TWA (dust and fume, as Fe); 10 mg/m³ TWA (regulated under Rouge, total particulate matter containing no asbestos and less than 1% crystalline silica); 3 mg/m³ TWA (regulated under Rouge, respirable fraction particulate matter containing no asbestos and less than 1% crystalline silica)
10 mg/m³ STEL (fume, as Fe)
- Manitoba: 5 mg/m³ TWA (respirable fraction)
- New Brunswick: 5 mg/m³ TWA (particulate matter containing no asbestos and < 1% crystalline silica, dust and fume, as Fe)
- NW Territories: 5 mg/m³ TWA (respirable mass); 10 mg/m³ TWA (total mass)
- Nova Scotia: 5 mg/m³ TWA (respirable fraction)
- Nunavut: 5 mg/m³ TWA (respirable mass); 10 mg/m³ TWA (total mass)
- Ontario: 5 mg/m³ TWAEV (respirable); 10 mg/m³ TWAEV (total dust, listed under Precipitated Silica)
- Quebec: 5 mg/m³ TWAEV (dust and fume, as Fe)
- Saskatchewan: 5 mg/m³ TWA (dust and fume, as Fe)
10 mg/m³ STEL (dust and fume, as Fe)
- Yukon: 5 mg/m³ TWA (fume, as Fe₂O₃)
10 mg/m³ STEL (fume)

Silica-tripoli (1317-95-9)

- ACGIH: 0.025 mg/m³ TWA (respirable fraction)
- OSHA: 0.1 mg/m³ TWA (respirable dust, as quartz)
- NIOSH: 0.05 mg/m³ TWA (respirable dust)
- Alberta: 0.1 mg/m³ TWA (respirable particulate)
- British Columbia: 0.025 mg/m³ TWA (respirable, as quartz)
- Manitoba: 0.025 mg/m³ TWA (respirable fraction)
- New Brunswick: 0.1 mg/m³ TWA (of contained respirable quartz, respirable fraction)
- NW Territories: 0.1 mg/m³ TWA (respirable mass); 0.3 mg/m³ TWA (total mass)
- Nova Scotia: 0.025 mg/m³ TWA (respirable fraction)
- Nunavut: 0.1 mg/m³ TWA (respirable mass); 0.3 mg/m³ TWA (total mass)
- Ontario: 0.10 mg/m³ TWAEV (designated substance regulation)
- Quebec: 0.1 mg/m³ TWAEV (respirable dust)
- Saskatchewan: 0.1 mg/m³ TWA (respirable fraction, as quartz)
- Yukon: 300 particles/mL TWA

Material Safety Data Sheet

Material Name: Stone Veneer

MSDS ID: USV001

Quartz (14808-60-7)

ACGIH: 0.025 mg/m³ TWA (respirable fraction)
OSHA: 0.1 mg/m³ TWA (respirable dust)
NIOSH: 0.05 mg/m³ TWA (respirable dust)
Alberta: 0.1 mg/m³ TWA (respirable particulate)
British Columbia: 0.025 mg/m³ TWA (respirable)
Manitoba: 0.025 mg/m³ TWA (respirable fraction)
New Brunswick: 0.1 mg/m³ TWA (respirable fraction)
NW Territories: 0.1 mg/m³ TWA (respirable mass); 0.3 mg/m³ TWA (total mass)
Nova Scotia: 0.025 mg/m³ TWA (respirable fraction)
Nunavut: 0.1 mg/m³ TWA (respirable mass); 0.3 mg/m³ TWA (total mass)
Ontario: 0.10 mg/m³ TWAEV (designated substance regulation)
Quebec: 0.1 mg/m³ TWAEV (respirable dust)
Saskatchewan: 0.05 mg/m³ TWA (respirable fraction)
Yukon: 300 particles/mL TWA

Silica, fused (60676-86-0)

OSHA: 0.1 mg/m³ TWA (respirable dust)
Alberta: 0.1 mg/m³ TWA (respirable particulate)
New Brunswick: 0.1 mg/m³ TWA (respirable fraction)
NW Territories: 0.1 mg/m³ TWA (respirable mass); 0.3 mg/m³ TWA (total mass)
Nunavut: 0.1 mg/m³ TWA (respirable mass); 0.3 mg/m³ TWA (total mass)
Ontario: 0.1 mg/m³ TWAEV (respirable)
Quebec: 0.1 mg/m³ TWAEV (respirable dust, containing no asbestos and less than 1% crystalline silica)
Saskatchewan: 0.1 mg/m³ TWA (respirable fraction)
Yukon: 300 particles/mL TWA

Portland cement (65997-15-1)

ACGIH: 10 mg/m³ TWA (particulate matter containing no asbestos and <1% crystalline silica)
OSHA: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)
NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)
Alberta: 10 mg/m³ TWA
British Columbia: 10 mg/m³ TWA (total particulate matter containing no asbestos and less than 1% crystalline silica); 3 mg/m³ TWA (respirable particulate matter containing no asbestos and less than 1% crystalline silica)
Manitoba: 10 mg/m³ TWA (particulate matter containing no asbestos and <1% crystalline silica)
New Brunswick: 10 mg/m³ TWA (particulate matter containing no asbestos and < 1% crystalline silica)
NW Territories: 5 mg/m³ TWA (respirable mass); 10 mg/m³ TWA (total mass)
Nova Scotia: 10 mg/m³ TWA (particulate matter containing no asbestos and <1% crystalline silica)
Nunavut: 5 mg/m³ TWA (respirable mass); 10 mg/m³ TWA (total mass)
Ontario: 10 mg/m³ TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)
Quebec: 10 mg/m³ TWAEV (total dust, containing no asbestos and less than 1% crystalline silica); 5 mg/m³ TWAEV (respirable dust, containing no asbestos and less than 1% crystalline silica)
Saskatchewan: 10 mg/m³ TWA
20 mg/m³ STEL
Yukon: 30 mppcf TWA; 10 mg/m³ TWA
20 mg/m³ STEL

Material Safety Data Sheet

Material Name: Stone Veneer

MSDS ID: USV001

Silica, amorphous (7631-86-9)

- NIOSH: 6 mg/m³ TWA
NW Territories: 2 mg/m³ TWA (respirable mass); 5 mg/m³ TWA (total mass); 0.05 mg/m³ TWA (respirable mass, regulated under silica flour); 0.15 mg/m³ TWA (total mass, regulated under silica flour)
Nunavut: 2 mg/m³ TWA (respirable mass); 5 mg/m³ TWA (total mass); 0.05 mg/m³ TWA (respirable mass, regulated under silica flour); 0.15 mg/m³ TWA (total mass, regulated under silica flour)
Yukon: 300 particles/mL TWA; 20 mppcf TWA; 2 mg/m³ TWA (respirable mass)

Engineering Controls

If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields.

Personal Protective Equipment: Skin

Wear leather or other appropriate work gloves, if necessary for type of operation. The use of coveralls is recommended.

Personal Protective Equipment: Respiratory

Not normally needed. If permissible levels are exceeded, use NIOSH approved dust respirator.

Personal Protective Equipment: General

Use good hygiene practices when handling this material including changing and laundering work clothing after use.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	Molded solid slabs (rock-like surface)	Odor:	Odorless
Physical State:	Solid	pH:	Not applicable
Vapor Pressure:	Not applicable	Vapor Density:	Not applicable
Boiling Point:	Not applicable	Melting Point:	Not applicable
Solubility (H₂O):	Not applicable	Specific Gravity:	Not applicable
Freezing Point:	Not applicable	Particle Size:	Not applicable
Softening Point:	Not applicable	Evaporation Rate:	Not applicable
Viscosity:	Not applicable	Bulk Density:	8 to 12 pounds per square foot of veneer
Percent Volatile:	Not applicable	Molecular Weight:	Not applicable
Flash Point:	Not applicable	Flash Point Method:	Not applicable

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

None known.

Incompatibility

None known.

Hazardous Decomposition

None known.

Possibility of Hazardous Reactions

Will not occur.

Material Safety Data Sheet

Material Name: Stone Veneer

MSDS ID: USV001

*** Section 11 - Toxicological Information ***

Acute Dose Effects

Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. Higher exposures may cause difficulty breathing, congestion, and chest tightness.

Component Analysis - LD50/LC50

Iron oxide (1309-37-1)

Oral LD50 Rat: >10000 mg/kg

Quartz (14808-60-7)

Oral LD50 Rat: 500 mg/kg

Silica, amorphous (7631-86-9)

Oral LD50 Rat: >5000 mg/kg; Inhalation LC50 Rat: >2.2 mg/L/1H; Dermal LD50 Rabbit: >2000 mg/kg

Carcinogenicity

No information is available for the product.

Component Carcinogenicity

Iron oxide (1309-37-1)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Supplement 7 [1987]; Monograph 1 [1972] (Group 3 (not classifiable))

Silica-tripoli (1317-95-9)

ACGIH: A2- Suspected Human Carcinogen

NIOSH: potential occupational carcinogen

IARC: Monograph 68 [1997] (listed under Crystalline silica) (Group 1 (carcinogenic to humans))

Quartz (14808-60-7)

ACGIH: A2 - Suspected Human Carcinogen

NIOSH: potential occupational carcinogen

NTP: Known Human Carcinogen (Select Carcinogen)

IARC: Monograph 68 [1997] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources) (Group 1 (carcinogenic to humans))

Silica, fused (60676-86-0)

IARC: Monograph 68 [1997] (listed under Amorphous silica) (Group 3 (not classifiable))

Silica, amorphous (7631-86-9)

IARC: Monograph 68 [1997]; Supplement 7 [1987] (Group 3 (not classifiable))

Other Toxicological Information

Under normal conditions of use for stone veneer products, the likelihood of inhaling or ingesting amounts necessary for these effects to occur is very small.

Material Safety Data Sheet

Material Name: Stone Veneer

MSDS ID: USV001

*** Section 12 - Ecological Information ***

Ecotoxicity

This material is an inert stone product. Not expected to cause environmental harm.

Component Analysis - Ecotoxicity - Aquatic Toxicity

Silica, amorphous (7631-86-9)

Test & Species		Conditions
96 Hr LC50 Brachydanio rerio	5000 mg/L	[static]
72 Hr EC50 Selenastrum capricornutum	440 mg/L	
48 Hr EC50 Ceriodaphnia dubia	7600 mg/L	

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Waste must be handled in accordance with all federal, state, provincial, and local regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not regulated as a hazardous material.

TDG Information

Shipping Name: Not regulated as a dangerous good.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

None.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

Material Safety Data Sheet

Material Name: Stone Veneer

MSDS ID: USV001

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Iron oxide	1309-37-1	Yes	Yes	Yes	Yes	Yes	Yes
Silica-tripoli	1317-95-9	No	Yes	Yes	Yes	Yes	Yes
Quartz	14808-60-7	No	Yes	Yes	Yes	Yes	Yes
Silica, fused	60676-86-0	No	Yes	Yes	Yes	No	Yes
Portland cement	65997-15-1	No	Yes	Yes	Yes	Yes	Yes
Glass, oxide	65997-17-3	No	No	Yes	No	No	No
Silica, amorphous	7631-86-9	Yes	Yes	Yes	No	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

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

A: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Substance	CAS #	Minimum Concentration
Iron oxide	1309-37-1	1 %
Silica-tripoli	1317-95-9	1 %
Quartz	14808-60-7	1 %
Silica, fused	60676-86-0	1 %
Silica, amorphous	7631-86-9	1 %

WHMIS:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Registration) and the MSDS contains all the information required by the CPR.

WHMIS Classification: Not a controlled product.

B: CEPA - Canadian Environmental Protection Act

This product does not contain any toxic substances requiring export notification in part II of schedule III of the Canadian Environmental Protection Act.

Additional Regulatory Information

All components are on the U.S. EPA TSCA Inventory List or are not required to be listed (naturally occurring substances).

Ongoing occupational hygiene, medical surveillance programs, or site emission or spill reporting may be required by federal or provincial regulations. Check for applicable regulations.

Material Safety Data Sheet

Material Name: Stone Veneer

MSDS ID: USV001

Component Analysis – Inventory

Substance	CAS #	TSCA	DSL	EINECS
Iron oxide	1309-37-1	Yes	Yes	Yes
Silica-tripoli	1317-95-9	No	No	No
Quartz	14808-60-7	Yes	Yes	Yes
Silica, fused	60676-86-0	Yes	Yes	Yes
Portland cement	65997-15-1	Yes	Yes	Yes
Glass, oxide	65997-17-3	Yes	Yes	Yes
Silica, amorphous	7631-86-9	Yes	Yes	Yes

*** Section 16 - Other Information ***

Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Products Regulations; DOT = Department of Transportation; DSL = Domestic Substances List; EINECS = European Inventory of Existing Commercial Chemical Substances; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; mg/Kg = milligrams per Kilogram; mg/L = milligrams per Liter; mg/m3 = milligrams per Cubic Meter; MSHA = Mine Safety and Health Administration; NA = Not Applicable or Not Available; NIOSH = National Institute for Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; RoHS = Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment; SARA = Superfund Amendments and Reauthorization Act; TDG = Transport Dangerous Goods; TSCA = Toxic Substances Control Act; WEEE = Directive 2002/96/EC on waste electrical and electronic equipment; WHMIS = Workplace Hazardous Materials Information System.

End of MSDS USV001