

Material Safety Data Sheet

Product Name / Identifier: Bluestone

Test Subject Material Type: Bluestone Natural Stone

1.0 Chemical Product and Company Identification

Product Name: Bluestone

Buechel Stone Corporation
N4399 Hwy 175 South
Fond du Lac, WI 54937

Emergency Contacts:

CHEMTREC (24 hours everyday): 1.800.424.9300 CANUTEC
(Canada-24hours everyday): 1.613.996.6666

Certified Testing Facilities Utilized:

CSCE Services Inc.: WSE # 982973 - 12/17/98 / 6/18/02 / 7/16/03
CMC Inc.: CMC # 0505169 - 5/26/05
PSI Engineering: PSI # 812-70092 - 3/15/97
Ortech Laboratories: # 94T16-C0077 - 5/25/94

Health and Technical Contacts:

Scott Buechel: (8am-5pm M-F): 920.922.4790

2.0 Composition / Information on Ingredients

Chemical Name	Percent by Weight	OSHA PEL	ACGIH TVL
Amorphous Silica (SiO ₂)	77.60%	.39 mg/m ³	6 mg/m ³
Alumina (Al ₂ O ₃)	9.51%	N/A	10 mg/m ³
Iron Oxide (Fe ₂ O ₃)	3.29%	10 mg/m ³	5 mg/m ³
Titanium Dioxide (TiO ₂)	.60%	15 mg/m ³	10 mg/m ³
Calcium Oxide (CaO)	2.30%	5 mg/m ³	2 mg/m ³
Magnesium Oxide (MgO)	1.41%	15 mg/m ³	10 mg/m ³
Alkalies	1.81%	N/A	N/A
Sulphur Trioxide (SO ₃)	.10%	N/A	N/A
Loss on Ignition	3.20%	-----	-----

3.0 Hazards Identification / Health, First Aid, and Medical Data

Appearance and Odor:

Blue to blue gray colored stone; various shapes and sizes with no odor

Bluestone in the Natural State does not present an inhalation, ingestion, or contact health hazard. However, operations such as grinding, sawing and polishing which results in airborne particulates may present hazards. The above operations should be performed with a water mist or in well-ventilated areas. The major exposure hazard is inhalation without precautions suggested

Potential Health Effects / Overexposure:

First Aid / Inhalation:

If inhaled, immediately remove the affected person to fresh air. If irritation persists get medical attention. Dust from grinding, sawing and polishing may produce x-ray changes in the lungs without disability. Prolonged inhalation may cause silicosis with scarring of the lungs, cough and shortness of breath.

Skin Contact:

No adverse effects. If skin contact effects are experienced, flush with large amounts of water. If irritation persists, get medical attention.

Eyes / Eye Contact:

Dust may irritate eyes. If so, immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

Ingestion:

Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel. There are no known adverse effects, but ingestion not recommended (it was required by law to write this).

4.0 Fire and Explosive Hazard Data

Flash Point:	Not Applicable
Explosion Potential:	None
Extinguishing Media:	Not Applicable
Special Fire Fighting Procedures:	None

5.0 Accidental Release Measures

Containment Procedures:

Scoop up material and put into a suitable container for disposal as a non-hazardous waste. Dust from cutting or drilling this material will settle out of the air. If concentrated on land, it can then be scooped up for disposal as a non-hazardous waste.

Clean-Up Procedures:

Sweep up or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during cleanup. Avoid the generation of dusts during clean up.

Response Procedures:

Isolate area. Keep unnecessary personnel away.

Special Procedures:

None.

6.0 Handling and Storage

Handling Procedures:

No special procedures are required for this material. Avoid breathing dusts from this material. Avoid dust contact with eyes and skin. Minimize generation of dusts.

Storage Procedures:

No special procedures are required for this material.

7.0 Exposure Controls/Special Protection Information

Respiratory Protection:	Use NIOSH-approved dust respirators as required to maintain exposure below threshold limit values (TLV's)
Ventilation:	Local exhaust ventilation as necessary to keep dust levels below threshold limit values
Eye Protection:	Goggles or safety glasses with side shields recommended when sawing, grinding, polishing, thermalling and sculpturing
Other Protective Equipment:	Apron and/or face shield, steel-toed shoes as required depending on the operations. Always use water to reduce airborne dust when altering stone with fabricating device, use a GFI device if electrical tools are utilized. Wear leather or other appropriate work gloves, if necessary for type of operation.

8.0 Physical and Chemical Properties

Appearance:	Blue to Blue Gray
Odor	No
Physical State:	Solid
Boiling Point:	Not Applicable
Melting Point:	Not Applicable
Vapor Pressure:	Not Applicable
% Volatile by Volume:	Not Applicable
Vapor Density:	Not Applicable
Evaporation Rate:	Not Applicable
Solubility in Water:	No
Solubility in Alcohol:	No
Solubility in Other Solvent:	No

9.0 Chemical Stability and Reactivity Information

Stability:	Stable
Conditions to Avoid:	None Known
Incompatibility:	None Known
Decomposition Products:	None Known
Hazardous Polymerization:	None Known

10.0 Special Precautions / Toxicological Information

Good housekeeping practices should be maintained at all times in the work area. Avoid breathing stone dust.

11.0 Ecological Information

Ecotoxicity:

No data available for this product.

Environmental Fate:

No data available for this product.

12.0 Spill Disposal Considerations

Steps to be taken in case of spills: Not Applicable

Waste Disposal Method: Not Applicable

13.0 Transportation Information

DOT Hazard Classification: None

Placard Required: None

Label Required: Per Applicable Regs.

14.0 Regulatory Information

US Federal Regulations:

General Product Information:

No information available for the product.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; OSHA = Occupational Safety and Health Administration, NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; SARA = Superfund Amendments and Reauthorization Act; CAA = Clean Air Act

Buechel Stone Corporation does not assume any liability for personal injury/illness or property damage for use with this product. The information provided in this MSDS is accurate based upon current analytical findings as received from the stone quarry that provided the natural stone material.