

# MATERIAL SAFETY DATA SHEET



Date Issued: 02/21/2007

MSDS No: 62

Revision No: New MSDS

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT CODE:** Bonstone Powdered Tint, Gray

### MANUFACTURER

Bonstone Materials Corporation  
707 Swan Drive  
Mukwonago WI 53149

**Emergency Contact:** Mike Beckmann

**Product Stewardship:** 262-363-9877

### 24 HR. EMERGENCY TELEPHONE NUMBERS

Chemtrec: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis). Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure in certain occupations such as sandblasters. Silicosis is a form of disabling pulmonary fibrosis, which can be progressive and may lead to death.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**INHALATION:** Coughing, sneezing and wheezing. Persons with existing pulmonary problems and persons exposed to heavy dust concentrations may have difficulty breathing.

**MEDICAL CONDITIONS AGGRAVATED:** Persons with existing pulmonary disorders must avoid breathing any dust generated during the use of this product.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Silicate (Portland Cement)	> 1	65977-15-1	
Silica, Crystalline	> 1	014808-60-7	238-878-4

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get medical attention immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE LIMITS:** 0 to 0

**FIRE FIGHTING EQUIPMENT:** Firefighters and others who may be exposed to products of combustion should wear full firefighting turnout gear and self-contained breathing apparatus. Firefighting equipment should be thoroughly decontaminated after use.

## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Reduce airborne dust and prevent scattering by moistening with water.

**SPECIAL PROTECTIVE EQUIPMENT:** Remove contaminated clothing and wash before reuse.

**COMMENTS:** If recovery is not feasible, admix with dry soil, sand or non-reactive absorbent and place in an appropriate chemical waste container. Transfer to containers by suction, preparatory for later disposal. Place in metal containers for recovery or disposal. Flush area with water spray. Clean-up personnel must be equipped with self-contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with a vacuum truck.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Minimize dust generation and accumulation.

**HANDLING:** Store product and dry locations away from oxidizers. Minimize the creation of dust during application of this product, and keep other persons upwind of the work area when possible

**STORAGE:** Store in a tightly closed container.

**COMMENTS:** Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Silicate (Portland Cement)	TWA	[1]	10* mg/m <sup>3</sup> [1]		10 mg/m <sup>3</sup>		
	STEL	[2]	5 mg/m <sup>3</sup> [2]				
Silica, Crystalline	TWA	NL ppm [3]	(0.1) mg/m <sup>3</sup> [3]	NL ppm	(0.1) mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
	STEL	NL ppm	NL mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
<b>Footnotes:</b>							
1. Total Dust							
2. Respirable							
3. NL = Not Listed							

**ENGINEERING CONTROLS:** If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of

liquid contact, wear splash-proof goggles.

**RESPIRATORY:** NIOSH-approved dust respirator for 5 x PEL or less. (Reference FED/OSHA 29CFR 1910.134)

**WORK HYGIENIC PRACTICES:** Provide readily accessible eyewash stations and safety showers. Wash at the end of each work shift and before eating, smoking, or using the toilet.

**COMMENTS:** Avoid breathing any (dust, vapor, mist, gas) that may be generated when grinding cured material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**APPEARANCE:** Gritty powder of various colors, earthen odor

**COLOR:** Gray

**PERCENT VOLATILE:** 0

**SOLUBILITY IN WATER:** Negligible

**SPECIFIC GRAVITY:** 1.769

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Silica will dissolve in hydrofluoric acid and produce a corrosive gas-silicon tetrafluoride

**INCOMPATIBLE MATERIALS:** Contact with oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride may cause fires.

## 11. TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status	Other
Silica, Crystalline	Yes	Y1=Carcinogenic to humans	No	ACGIH: A2=Confirmed human carcinogen

**Notes:** The International Agency for Research on Cancer (IARC) has concluded that crystalline silica, inhaled in the form of quartz or cristobalite from occupational sources, is carcinogenic to humans (Group 1). [IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, "Silica, Some Silicates, Coal Dust and para--Aramid Fibrils," Vol. 68, 1997.] The National Toxicology Program (NTP) has concluded that respirable crystalline silica, primarily quartz dusts occurring in industrial and occupational settings, is known to be a human carcinogen.

## 12. ECOLOGICAL INFORMATION

**COMMENTS:** No information.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Recover, reclaim or recycle when practical. Dispose of in accordance with federal, state and local regulations. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements be be more restrictive or otherwise different from federal laws and regulations.

### 14. TRANSPORT INFORMATION

**COMMENTS:** Not regulated by DOT

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Immediate health hazard, delayed health hazard.

#### CALIFORNIA PROPOSITION 65

Chemical Name	Wt.%	Listed
Silicate (Portland Cement)	> 1	● Cancer
Silica, Crystalline	> 1	● Cancer

### 16. OTHER INFORMATION

**REASON FOR ISSUE:** New MSDS format

**APPROVED BY:** Mike Beckmann    **TITLE:** President

**INFORMATION CONTACT:** Mike Beckmann

**REVISION SUMMARY:** New MSDS

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