

## I. General Information

Product Name: Cast Stone Architectural Products	Formula: Mixture of coarse and fine aggregates, Portland cement and water
Manufacturer: Custom Stone Works	Address: 32910 Plymouth RD. Livonia, MI 48375
Phone: 734-427-8158	Fax: 734-427-8178
Trade Name: Cast Stone Architectural Products Architectural Precast Concrete Precast concrete products	

## II. Ingredients

Principal Hazardous Component	PEL	TLV	CAS #
Sand (quartz)	See notes	0.1 mg/m <sup>3</sup> *	14808-60-7
Portland cement	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	65997-15-1
Limestone		10 mg/m <sup>3</sup>	1317-65-3
-PEL (quartz) = 10mg/m <sup>3</sup> divided by (% respirable quartz + 2) -Represents the respirable fraction Note: this product contains a toxic chemical or chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.		PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA). TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienist, 1987-88.	

## III. Physical Data

Boiling Point: n/s	Specific Gravity: 2.6-2.71
Vapor Pressure: n/a	Melting Point: n/a
Vapor Density: n/a	Evaporation Rate: n/a
Solubility in Water: insoluble	Reactivity in Water: Will not evolve flammable or toxic gases
Appearance and Odor: Solid, stone-like in appearance and normally odorless.	



#### IV. Fire and Explosion Hazard Data

Flash Point: will not ignite	Auto Ignition: n/a
Flammable Limits: n/a	LEL: n/a UEL: n/a
Extinguishing Media: n/a	
Special Firefighting Procedures: none	
Unusual Fire & Explosion Hazards: none	

#### V. Reactivity Data

Chemical Stability:	Unstable Stable X	Conditions to Avoid: n/a
Hazardous Polymerization	May Occur Will Not Occur X	Conditions to Avoid: n/a
Incompatibility: Dust from product is highly alkaline. Contact with strong acids may produce a violent, exothermic reaction and may evolve toxic gases or vapors, depending on the acid involved.		
Materials to Avoid: n/a		
Hazardous Decomposition Products: Thermal decomposition may produce oxides of carbon, oxides of silica, and other toxic organic agents.		

#### VI. Health Hazard Data

Threshold Limit Value:	OSHA Threshold Limit Value:	ACGIH Threshold Limit Value:
Carcinogen- NTP Program: No	Carcinogen- IARC Program: Yes	
Symptoms of Exposure: 1) Acute overexposure: Dusts from this product may cause irritation of the skin, eyes, or nasal passages. Contact of skin or eyes with wet dusts may result in irritation and/or alkali burns.		
2) Chronic overexposure: Excessive exposure to dusts by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis and silicosis. A significant incidence of carcinomas of the lung was induced in rats exposed to quartz dusts. Studies indicate lung cancer occurs more frequently among silicotics than in the general population.		
Medical Conditions Aggravated by Exposure: Respiratory disorders or diseases, dermatitis, or other skin disorders may be aggravated by exposure to dusts from product.		
Primary Route(s) of Entry: Inhalation, skin contact		
Emergency First Aid: Inhalation: Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician. Eye Contact: Immediately flush eyes with large quantities of water for at least 15 minutes. Consult a physician. Skin Contact: Immediately wash skin thoroughly with soap and water.		



## VII. Environmental Protection Procedures

Spill Response: Clean-up of dust may require personal protective equipment to prevent dust exposure and protect against alkali burns or irritation.

Waste Disposal Method: If this material, as provided by the manufacturer, becomes a waste, it does not meet the criteria of a hazardous waste as defined by the Environmental Protection Agency under the authority of the Resource Conservation and Recovery Act (40 CFR 261). Dispose of in accordance with Federal, state, and local regulations.

## VIII. Special Protection Information

Eye Protection: Goggles

Skin Protection: Protective gloves: rubber, PVC, Neoprene, or other impervious material. Rubber high top boots, arm sleeves and apron, when necessary to prevent skin contact with dusts from this product.

Respiratory Protection (Specific Type)  
NIOSH/MSHA approved dust respirators for conditions where dust levels exceed or are likely to exceed approximate exposure limits.

Ventilation Recommended: General or local exhaust to maintain exposure below TLV/PEL.

## IX. Special Precautions

Precautions to be taken in handling and storing:

This product is included in the definition of an 'Article' as described in the Hazard Communication Standard (29 CFR 1910.1200). Under conditions of normal use, the product does not release, or otherwise result in exposure to a hazardous chemical.

Other precautions:

Cutting, grinding or sawing of this product is not considered normal use, and may result in the evolution of hazardous dusts.

The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in consequences which are not considered within this document.