

# Material Safety Data Sheet

## SECTION 1 - IDENTITY

NAME <b>Superior Precast Products, Inc.</b>		ADDRESS <b>1950 Ravine Kalamazoo, MI</b>	
TELEPHONE NUMBER <b>269-344-7690</b>	FOR ADDITIONAL INFORMATION CONTACT: <b>Julie Dintaman</b>	DATE PREPARED/REVISED <b>June 2013</b>	
COMMON NAME (USED ON LABEL) Cast Stone Architectural Products		CHEMICAL FAMILY Does not apply	
CHEMICAL NAME Does not apply		FORMULA  Mixture of coarse and fine aggregates, Portland cement and water.	
TRADE NAME & SYNONYMS Cast Stone Architectural Products			
Architectural Precast Concrete Precast concrete products			

## SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	% (wt)	TLV	PEL
Sand (quartz)	14808-60-7		0.1 mg/m <sup>3</sup> *	See Notes
Portland cement	65997-15-1		10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Limestone	1317-65-3		10 mg/m <sup>3</sup>	

PEL (quartz) = 10 mg/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 Hygienists, 1987-88.

## SECTION 3 - PHYSICAL DATA

BOILING POINT Does not apply	SPECIFIC GRAVITY (H <sub>2</sub> O=1) 2.6-2.71	VAPOR PRESSURE (mm hg) Does not apply
PERCENT VOLATILE BY VOLUME (%) 0	VAPOR DENSITY (AIR =1) Does not apply	EVAPORATION RATE (=1) Does not apply
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.		

## SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT Will not ignite	FLAMMABLE LIMITS IN AIR (% BY VOLUME) LOWER: Does not apply      UPPER: Does not apply	
EXTINGUISHING MEDIA Does not apply	AUTO IGNITION TEMPERATURE Does not apply	
UNUSUAL FIRE AND EXPLOSION HAZARDS None		
SPECIAL FIRE FIGHTING PROCEDURES None		

## SECTION 5 - HEALTH INFORMATION

### PRIMARY ROUTES OF EXPOSURE

Inhalation, skin contact

### SIGNS AND 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 GENERALLY AGGRAVATED BY EXPOSURE

Respiratory disorders or diseases, dermatitis, or other skin disorders may be aggravated by exposure to dusts from product.

### CHEMICAL/COMPONENT LISTED AS (POTENTIAL) CARCINOGEN

NTP

IARC

OSHA

Quartz

Yes  No

Yes  No

Yes  No

### OTHER EXPOSURE LIMITS

None

### EMERGENCY & FIRST AID PROCEDURES

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.

## SECTION 6 - REACTIVITY DATA

### STABILITY

Unstable  Stable

### CONDITIONS TO AVOID

Does not apply

### INCOMPATIBILITY (MATERIALS TO AVOID)

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.

### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may produce oxides of carbon, oxides of silica, and other toxic organic agents.

### HAZARDOUS POLYMERIZATION

May occur  Will not occur

### CONDITIONS TO AVOID

Does not apply

## SECTION 7 - SPILL OR LEAK PROCEDURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED

Clean-up of dust may require personal protective equipment to prevent dust exposure and protect against alkali burns or irritation. See Section 8.

### 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.

## SECTION 8 - PERSONAL PROTECTION INFORMATION

### RESPIRATORY PROTECTION

NIOSH/MSHA approved dust respirators for conditions where dust levels exceed or are likely to exceed approximate exposure limits.

### VENTILATION

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

### PROTECTIVE GLOVES

Rubber, PVC, Neoprene, or other impervious material.

### EYE PROTECTION

Goggles.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Rubber high top boots, arm sleeves and apron, when necessary to prevent skin contact with dusts from this product.

## SECTION 10 - SPECIAL PRECAUTIONS

### PRECAUTIONS TO BE TAKEN IN HANDLING & 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.