

# Material Safety Data Sheet

## SECTION 1 - IDENTITY

NAME Sun Precast Company, Inc.		ADDRESS 4051 Ridge Road, Beaver Springs, PA 17812	
TELEPHONE NUMBER 570-658-8000	FOR ADDITIONAL INFORMATION CONTACT: Craig Egli		DATE PREPARED/REVISED April 15, 2009
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 - <u>Dusts</u> from this product may cause irritation of the skin, eyes, or nasal passages. Contact of skin or eyes with wet <u>dusts</u> may result in irritation and/or alkali burns.  (2) CHRONIC OVEREXPOSURE - Excessive exposure to <u>dusts</u> 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 <u>dusts</u> . 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 <u>dusts</u> from product.			
CHEMICAL/COMPONENT LISTED AS (POTENTIAL) CARCINOGEN Quartz	NTP _ Yes <input checked="" type="checkbox"/> No	IARC <input checked="" type="checkbox"/> Yes _ No	OSHA _ Yes <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/>	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 <input checked="" type="checkbox"/>	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 <u>dust</u> 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 <u>dusts</u> 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 in 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.