

Material Safety Data Sheet

IDENTITY (As Used on Label and List) PRECAST CONCRETE	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I

Manufacturer's Name ATLANTIC CONCRETE PRODUCTS, INC.	Emergency Telephone Number
Address (Number, Street, City, State, and ZIP Code)	Telephone Number for Information (215) 945-5600
8900 OLD ROUTE 13	Date Prepared DECEMBER 22, 2009
TULLYTOWN, PA 19007	Signature of Preparer (optional)

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	CAS#	% (optional)
ROCK & SAND	N/A	N/A	70%
SILICA (IN ROCK & SAND)	10(%SiO ₂ +2)mg/m ₃	14808-60-1	20-50%
PORTLAND CEMENT	50 million particles/ft ³	65997-15-1	30%
CALCIUM SULFATE (IN CEMENT)	5mg respirable dust/m ³	7778-18-9	1%
GYPSUM (IN ROCK & SAND)	10mg total dust/m ³	13397-24-5	1%
CALCIUM OXIDE	5mg/m ³	1306-78-8	<1%
MAGNESIUM OXIDE	15mg total dust/m ³	1309-48-4	<1%

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	2.61
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water N/A			
Appearance and Odor LIGHT GREY TO BROWN SOLID MATERIAL, ODERLESS			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media N/A			
Special Fire Fighting Procedures N/A			
Unusual Fire and Explosion Hazards N/A			

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	NONE
Incompatibility (<i>Materials to Avoid</i>) N/A			
Hazardous Decomposition or Byproducts N/A			
Hazardous Polymerization	May Occur		Conditions to Avoid NONE
	Will Not Occur	X	

Section VI - Health Hazard Data

Concrete contains CRYSTALLINE SILICA. Cutting, crushing, or breaking concrete may create dust and release silica into the air. EXPOSURE TO HIGH CONCENTRATIONS OF FREE SILICA ARE KNOWN TO CAUSE SILICOSIS in as little as six months time. Appropriate engineering controls should be implemented when cutting, grinding or crushing concrete to maintain airborne dusts below OSHA PEL.
ACUTE Health Hazards: Overexposure to respirable silica and other dusts associated with precast concrete may produce acute bronchial and lung irritation, dryness and coughing.
CHRONIC Health Hazards: Repeated exposure to high concentration of dust, including free silica, leads to Silicosis. Silicosis is a progressive, non-reversible, disabling lung disease, which may lead to heart disease and/or death. Symptoms include the development of massive fibrosis tissue within the lungs, producing shortness of breath and pain.
Emergency and First Aid Procedures: Remove any person with breathing difficulties or other symptoms, or suspected overexposure, to fresh air. Consult a physician.

Section VII - Precautions for Safe Handling and Use

Precautions to be taken in Handling and Storage: N/A
Steps to Be Taken in Case Material is Released or Spilled: Control airborne dust with ventilation. Use respiratory protection where appropriate.
Waste Disposal Method: Sweep up and discard in trash

Section VIII - Control Measures

Respiratory Protection: Dust inhalation protection (NIOSH approved only when sawing or grinding)
Ventilation: Effective engineering controls or local exhaust.
Eye Protection: Safety goggles in dusty situations.
Protective Gloves: Tight fitting as needed only for abrasion protection.
Other Protective Equipment: No special requirements.