

MATERIAL SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Portland Cement Concrete Freshly Mixed Unhardened Concrete		[WHMIS Classification]	
Product Use Construction Material			
Manufacturer's Name Metheny Concrete Products, Inc.		Supplier's Name	
Street Address 1617 S. Lowry Ave.		Street Address	
City Oklahoma City, Oklahoma	Province	City	Province
Postal Code 73129-8343	Emergency Telephone 405-947-5566	Postal Code	Emergency Telephone
Date MSDS Prepared 09/30/2010	MSDS Prepared By Brent Roberts	Phone Number 405-947-5566	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
Portland Cement	2%-26%	65997-15-1		
Limestone Aggregates	25%-75%	1317-65-3		
Fly Ash Class C	0%-25%	68131-74-8		
Crystalline Silica (Concrete Sand)	25%-75%	14808-60-7		
Water	6%-13%	77321-85		

SECTION 3 — HAZARDS IDENTIFICATION

Emergency Overview] Short-term exposure to plastic concrete not likely to cause immediate hazard. However, exposure of sufficient duration can cause serious tissue damage in the form of chemical burns. The same type of burns may occur if damp body parts are exposed to unhardened ingredients.

Potential Health Effects

Plastic (wet) Concrete can dry skin and cause alkali burns. If eyes come into contact, could inflame cornea.

Exposure to dry ingredients may cause irritation to moist mucous membranes of nose throat and upper respiratory system. Large amounts of ingested wet concrete or dry ingredients can be harmful and require immediate medical attention.

SECTION 4 — FIRST AID MEASURES

Skin Contact

Wash exposed areas with pH-neutral soap and cool water. Seek medical treatment in cases of prolonged exposure.

Eye Contact

Irrigate eyes immediately and repeatedly with water (at least 15 minutes), including under the eye lid. Get prompt medical attention.

Inhalation

Remove to fresh air. Inhalation of great amounts of dry ingredients, require immediate medical attention. Use local or general ventilation to control exposure. NIOSH approved particulate filter respirators should be used for respiratory protection.

Ingestion

Do not induce vomiting. If conscious drink plenty of water and call physician immediately.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions? N/A	
Means of Extinction Not combustible		
Flashpoint (°C) and Method none	Upper Flammable Limit (% by volume) none	Lower Flammable Limit (% by volume) none
Auto ignition Temperature (°C) Not combustible	Explosion Data — Sensitivity to Impact none	Explosion Data — Sensitivity to Static Discharge none
Hazardous Combustion Products none		
[NFPA]		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Collect dry material with a scoop. Avoid causing dust to become airborne. Avoid inhalation. Wash the spill with water and dispose of stone and sand in proper areas. Can be disposed of as a common waste material after hardening. Do not allow material into sewer or storm drain. Follow local, state and federal regulations for disposal. Wear appropriate personal protective equipment.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment

Protect exposed skin area with proper clothing. Wear Rubber boots. Promptly remove dusty or covered clothing. Wash thoroughly.
Normal temperatures and pressures do not effect material.

Storage Requirements

n/a

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process) Wear Safety Glasses with side shields or goggles. Contact lenses should not be worn.
NIOSH approved particulate filter respirators
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Footwear <input checked="" type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type Wear proper personal protective equipment to protect skin and eyes from contact. Rubber gloves, boots and safety eye wear.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odor and Appearance Gray and Rocky, no distinct odor	Odor Threshold (ppm) N/A
Specific Gravity 1.7 to 3.0	Vapor Density (air = 1) N/A	Vapor Pressure (mmHg) N/A
Evaporation Rate N/A	Boiling Point (° C) N/A	Freezing Point (° C) 32 degrees F. when plastic
pH 10-14	Coefficient of Water/Oil Distribution	[Solubility in Water] Slightly Soluble

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability Stable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances yes <input checked="" type="checkbox"/> No	If yes, which ones? Acids, ammonium salts and aluminum metal

Avoid unintentional contact with water

Reactivity, and under what conditions?

Hazardous Decomposition Products

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure There is no excess mortality from causes of death, lung cancer, non-malignant respiratory disease or ischemic heart disease among workers study conducted by NIOSH (March 1985)

Effects of chronic exposure

Irritancy of Product

Skin sensitization

Respiratory sensitization

Carcinogenicity-IARC

Carcinogenicity - ACGIH

Reproductive toxicity

Teratogenicity

Embrototoxicity

Mutagenicity

Name of synergistic products/effects

SECTION 12 — ECOLOGICAL INFORMATION

No recognized unusual toxicity to plants or animals

[Aquatic Toxicity]

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of waste material according to local, state and federal regulations. Unused material may be saved for future use due to its stability.

Special Shipping Information

PIN

TDG

[DOT]

[IMO]

[CAO]

Waste Disposal

SECTION 14 — TRANSPORT INFORMATION

Not considered hazardous under U.S. D.O.T. regulations

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification]

[OSHA]
Hazardous
chemical

[SERA]

[TSCA]

Hazcom program

SECTION 16 — OTHER INFORMATION

For use by knowledgeable persons, proper training required.