



# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. This Standard must be consulted for specific requirements.

**Hempt Bros., Inc.**

TELEPHONE: (717) 737-3411

FAX: (717) 761-5019

205 Creek Rd. P.O. BOX Camp Hill, PA 17011-0278



## IDENTITY (As Used on Label and List)

**Freshly Mixed, Portland Cement Concrete; Unhardened**

### Section I

<b>Manufacturer's Name</b> Hempt Bros., Inc.	<b>Emergency Telephone Number :</b> (717) 737 - 3411
<b>Address (Number, Street, City, State, and ZIP)</b> P.O. Box 278 205 Creek Road Camp Hill, Pa. 17001-0278	<b>Telephone Number for Information:</b> (717) 737 - 3411
	<b>Date Prepared:</b> January 2, 2005
	<b>Signature of Preparer (optional):</b>

### Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Portland and blended cements:				
3CaO-SiO <sub>2</sub>		(CAS # 12168-85-3)		
2CaO-SiO <sub>2</sub>		(CAS # 10034-77-2)		
3CaO-Al <sub>2</sub> O <sub>3</sub>		(CAS # 23042-78-3)		
4CaO-Al <sub>2</sub> O <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub>		(CAS #12068-35-8)		
CaSO <sub>4</sub> ·2H <sub>2</sub> O		(CAS # 7778-18-9)		
Plus traces of CaO; MgO; K <sub>2</sub> SO <sub>4</sub> ; and Na <sub>2</sub> SO <sub>4</sub> <i>Other ingredients:</i> May include (various sizes/types of aggregates/gravel, sand, stones/rocks); admixtures, such as fly ash, granulated slag, small amounts of organic/ inorganic materials—none of these may have any effect on the hazards associated with the use of this product. (See respective MSDS papers for sand and aggregates used in respective concrete mix)				

### Section III - Physical/Chemical Characteristics

<b>Boiling Point</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	N/A
<b>Vapor Pressure (mm Hg.)</b>	N/A	<b>Melting Point</b>	N/A
<b>Vapor Density (AIR = 1)</b>	N/A	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/A
<b>Solubility in Water:</b> Slight (0.01 TO 1%)			
<b>Appearance and Odor:</b> Gray, plastic, flowable, granular mud, and odorless.			

### Section IV - Fire and Explosion Hazard Data

<b>Flash Point (Method Used)</b> N/A	<b>Flammable Limits</b> N/A	<b>LEL</b>	<b>UEL</b>
<b>Extinguishing Media:</b> 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	XXX	Product stiffens and hardens in 2 to 8 hours and is no longer hazardous, unless cut.
Incompatibility ( <i>Materials to Avoid</i> )			
Hazardous Decomposition or Byproducts			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur XXX		

### Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes (When cutting)	Skin? Yes	Ingestion? No
Health Hazards ( <i>Acute and Chronic</i> ): <i>Acute</i> - Wet Plastic, Unhardened concrete can dry skin and cause alkali burns. ( called "Cement Dermatitis" ) <i>Chronic</i> - Hypersensitive individuals may develop an allergic dermatitis.			
Carcinogenicity: N/A	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure: Irritation of skin and burning sensation, particularly when exposure is to an area previously subjected to an abrasion or irritation not yet healed.			
Medical Conditions Generally Aggravated by Exposure: None known			
Emergency and First Aid Procedures: Irrigate eyes with water; wash exposed areas of body with soap and water.			

### Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Spill does not increase any hazards.
Waste Disposal Method: Retain until hardened and then dispose of as common waste.
Precautions to Be taken in Handling and Storing Use barrier creams, gloves, boots, and clothing to protect skin from prolonged contact with plastic concrete. - Avoid abrasion of the skin by unhardened plastic concrete.
Other Precautions: Goggles should be worn when placing / vibration of plastic concrete. Wash off exposed skin as soon as possible when/if splashed. Proper Respiration should be worn when cutting concrete.

### Section VIII - Control Measures

Respiratory Protection ( <i>Specify Type</i> ): Not Required		
Ventilation	Local Exhaust: Not Required	Special
	Mechanical ( <i>General</i> ) Not Required	Other

Protective Gloves See VII	Eye Protection See VII
Other Protective Clothing or Equipment: See VII	
Work/Hygienic Practices: See VII	





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- CRUSHED STONE
- SAND
- TRANSIT MIXED CONCRETE
- ASPHALT PAVING MATERIALS
- DRAINAGE
- PAVING
- EXCAVATION
- STREET AND DRIVEWAY CONSTRUCTION

**Warning: Injurious to Eyes.  
Causes Skin Irritation  
Read this Warning Before Using**

### **Contains Portland Cement**

**Contact with wet, unhardened concrete, mortar, cement or Cement mixtures can cause skin irritation, severe chemical burns or serious eye damage. Avoid contact with eyes and skin. Wear waterproof gloves, a fully-buttoned, long-sleeve shirt, full-length trousers and tight-fitting eye protection when working with these materials. If you have to stand in wet concrete, use waterproof boots that are tight at the top and high enough to keep concrete from flowing into them.**

**If you are finishing concrete, wear knee pads to protect knees. Wash wet concrete, mortar, cement or cement mixtures from your skin with fresh, clean water immediately after contact. Indirect contact through clothing can be as serious as direct contact, so promptly rinse wet concrete, mortar, cement or cement mixtures from clothing. Seek immediate medical attention if you have persistent or severe discomfort. In case of eye contact, flush with plenty of water for at least 15 minutes. Consult a physician immediately.**

**KEEP OUT OF REACH OF CHILDREN. USER AGREES TO CONVEY THIS WARNING TO ALL PERSONS WHO MAY USE OR COME INTO CONTACT WITH WET (UNHARDENED) CONCRETE, MORTAR, CEMENT OR CEMENT MIXTURES.**

OTHER PLANTS Toland, Pennsylvania -717.486.5111 1001  
55 Locust Point Road Mechanicsburg Pennsylvania - Phone: 717.795.9000

South Front Street Steelton Pennsylvania - 717.939.9586