

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



Section 1, Identification

Product Identifier: Freshly Mixed, Portland Cement Concrete; Unhardened	
Manufacturer or Distributor Name: <u>Hempt Bros., Inc.</u>	Emergency Telephone Number: (717) 737 - 3411
Address (Number, Street, City, State, and ZIP) P.O. Box 278 205 Creek Road Camp Hill, Pa. 17001-0278	Telephone Number for Information: (717) 737 - 3411
Recommended Use:	
Restrictions on Use:	
Signature of Preparer (optional):	

Section 2, Hazard(s) identification

		
Respiratory Sensitizer Corrosion/burns	Irritant (Skin and eye) Respiratory Tract Irritant	Skin Eye Damage
<p>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. Wet Plastic, Unhardened concrete can dry skin and cause alkali burns. (called "Cement Dermatitis") <i>Chronic-</i> Hypersensitive individuals may develop an allergic dermatitis</p> <p>Medical Conditions Generally Aggravated by Exposure: None known</p>		
Required label elements:		

Section 3, Composition/information on ingredients

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Portland and blended cements:				
3CaO-SiO ₂				(CAS # 12168-85-3)
2CaO-SiO ₂				(CAS # 10034-77-2)

3CaO-Al₂O₃ (CAS # 23042-78-3)

4CaO-Al₂O₃-Fe₂O₃ (CAS #12068-35-8)

CaSO₄·2H₂O (CAS # 7778-18-9)

Plus traces of CaO; MgO; K₂SO₄; and Na₂SO₄

Other ingredients: 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)

Trade secret claims:

Section 4, First Aid Measures

Emergency and First Aid Procedures: Irrigate eyes with water; wash exposed areas of body with soap and water. Wash off exposed skin as soon as possible when/if splashed.

Goggles should be worn when placing / vibration of plastic concrete.

Proper Respiration should be worn when cutting concrete.

Section 5, Fire-Fighting measures

Flash Point (Method Used)

N/A

Flammable Limits

N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards

N/A

Section 6, Accidental release measures

Steps to Be Taken in Case Material is Released or Spilled: Spill does not increase any hazards.

Section 7, Handling and storage

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.

Section 8, Exposure controls / personal protection

LEL

N/A

UEL

N/A

Personal Protective Equipment: Goggles should be worn when placing / vibration of plastic concrete.

Proper Respiration should be worn when cutting concrete.

Protective Gloves See VII

Eye Protection See VII

Other Protective Clothing or Equipment: See VII

Carcinogenic: No

Respiratory Protection (Specify Type): Not Required

Ventilation

Local Exhaust: Not Required

Special

Carcinogenic: No

Respiratory Protection (Specify Type): Not Required

Ventilation

Local Exhaust: Not Required

Special

Section 9, Physical and chemical properties

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	N/A
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: Slight (0.01 TO 1%)			
Appearance and Odor: Gray, plastic, flowable, granular mud, and odorless.			

Section 10, Stability and reactivity

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		
Work/Hygienic Practices: See VII			

Section 11, Toxicological information

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.			

Section 12, Ecological information: N/A

Section 13, Disposal Consideration

Waste Disposal Method: Retain until hardened and then dispose of as common waste.

Section 14, Transport Information: N/A

Section 15, Regulatory information

NTP? No	IARC Monographs? No	OSHA Regulated? No
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Section 16, Other information:

Date Prepared: January 2, 2005	Last Revised: 6/25/2013
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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.