

Material Safety Data Sheet

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

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072



IDENTITY (As Used on Label and List)
 Freshly Mixed Unhardened 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.

Section I

Manufacturer's Name Prairie Material Sales, Inc.	Emergency Telephone Number 312/563-5988
Address (Number, Street, City, State, and ZIP Code) 7601 W. 79th Street	Telephone Number for Information 312/563-5828
Bridgeview, IL 60455	Date Prepared 1/21/98
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Formula--Mixtures of portland or blended cements, concrete aggregates and chemical admixtures.				

Portland and Blended Cements:

3CaO·SiO ₂	(CAS # 12168-85-3)
2CaO·SiO ₂	(CAS # 10034-77-2)
3CaO·Al ₂ O ₃	(CAS # 23042-78-3)
4CaO·Al ₂ O ₃ ·Fe ₂ O ₃	(CAS # 12068-35-8)
CaSO ₄ ·2H ₂ O	(CAS #7778-18-9)

Plus traces of CaO, MgO, K₂SO₄, and Na₂SO₄.

Other Ingredients: Concrete Aggregates, Inert gravel, sand and rocks
 Admixtures, May include fly ash, granulated slag and very small amounts of organic and inorganic materials which have no effect on the hazards associated with the use of the product.

Section III — Physical/Chemical Characteristics

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 IV — Fire and Explosion Hazard Data

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

Unusual Fire and Explosion Hazards
 None

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	However, product hardens in 2 to 8 hours and is no longer hazardous

Incompatibility (Materials to Avoid)

None

Hazardous Decomposition or Byproducts

None

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? No Skin? Yes Ingestion? No

Health Hazards (Acute and Chronic)

Acute--Wet plastic, unhardened concrete, can dry the skin and cause alkali burns (cement dermatitis).

Chronic--Hypersensitive individuals may develop an allergic dermatitis. Cement

may contain trace amounts of chromium.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure

Irritation of skin and burning sensation particularly when exposure is in an area of skin

previously subjected to abrasion or irritation.

Medical Conditions

Generally Aggravated by Exposure None known.

Emergency and First Aid Procedures

Irrigate eyes with water. Wash exposed areas of the 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 hazard.

Waste Disposal Method

Material can be retained until it hardens when it can be disposed of as common waste.

Precautions to Be Taken in Handling and Storing

Use barrier creams, gloves, boots, and clothing to protect the skin from prolonged contact with plastic concrete. Particularly avoid abrasion of the skin in contact with unhardened plastic concrete. Precautions must be observed because cement burns occur with little warning--little heat is sensed. Eye protection is not generally required except when placing methods cause splash then tightfitting goggles should be used.

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Not required

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other
N/A		

Protective Gloves

See VII

Eye Protection

See VII

Other Protective Clothing or Equipment

See VII

Work/Hygienic Practices

See VII