

Material Safety Data Sheet

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 COUNTY CONCRETE CO.	Emergency Telephone Number 973-584-7122
Address (Number, Street, City, State, and Zip Code) 50 Railroad Avenue	Telephone Number for Information 973-584-7122
Kenvil, New Jersey 07847	

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA	PEL	NA	ACGIH	TLV	NA	Other Limits Recommended	NONE
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Identity Information:

Formula -- Mixtures of Portland or blended cements, concrete aggregates and chemical admixtures.
Portland and Blended Cements:

3CaO • SiO₂ (CAS # 12168-85-3)
2CaO • SiO₂ (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: 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	NA	Specific Gravity (H ₂ O = 1)	NA
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA

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)	NA	Flammable Limits	NA	LEL	NA	UEL	NA
Extinguishing Media	NA						
Special Fire Fighting Procedures	NA						

Unusual Fire and Explosion Hazards

None

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	However, product stabilizes and 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?	IARC Monographs?	OSHA Regulated?
	No	No	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:

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 when tightfitting goggles should be used.

Section VIII — Control Measures

Respiratory Protection (*Specify Type*)

Not Required

Ventilation	Local Exhaust	Special
	Mechanical (<i>General</i>)	Other

Protective Gloves

See VII

Eye Protection

See VII

Other Protective Clothing or Equipment

See VII

Work/Hygienic Practices

See VII