

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)

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 ROANOKE CONCRETE PRODUCTS CO.	Emergency Telephone Number 309-698-7882
Address (Number, Street, City, State and ZIP Code)	Telephone Number for Information 309-698-7882
1275 SPRING BAY ROAD	Date Prepared JANUARY 1, 1991
EAST PEORIA, ILLINOIS 61611	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, natural coarse and fine aggregates and chemical admixtures.				
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, K ₂ SO ₄ , and Na ₂ SO ₄				
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 this products.				

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 PLASTIC, GRAY, FLOWABLE, GRANULAR MUD AND ODORLESS			

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	N/A						
Special Fire Fighting Procedures	N/A						
Unusual Fire and Explosion Hazards	NONE						

(Reproduce locally)

OSHA 174 Sept. 1985

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	STABLE	PRODUCT STIFFENS AND HARDENS IN 2-8 HRS 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	NOT OCCUR	

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 amount of chromium

Carcinogenicity NTP? IARC Monographs? OSHA Regulated?

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 then 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.

Other Precautions 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 tight fitting goggles should be used.

Section VII—Control MeasuresRespiratory 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