

Material Safety Data Sheet

IDENTITY (As Used on Label and List) SAKRETE Concrete Mix				
Section I				
Manufacturer's Name U.S. MIX Products Co.		Emergency Telephone Number (303) 778-7227		
Address (Number, Street, City, State, and ZIP Code) 112 South Santa Fe Drive		Telephone Number for Information (303) 778-7227		
Denver, Colorado 80223		Date Prepared February 19, 1993		
		Signature of Preparer (optional)		
Section II - Hazardous Ingredients/Identity Information				
Hazardous Components (Specific Chemical Identity: Common Name(s))		OSHA PEL	ACGIH TLV	Other Limits %(optional)
Portland Cement	(CAS #65997-15-1)	10 mg/m ³	10 mg/m ³	90 - 96
Gypsum	(CAS #13397-24-5)	15 mg/m ³	10 mg/m ³	2 - 5
Anhydrite	(CAS #14798-04-0)	15 mg/m ³	10 mg/m ³	1.5 - 5
Crystalline silicon dioxide	(CAS #14808-60-7)		0.1 mg/m ³	
Formula: A heterogeneous mixture of basic calcium silicates, aluminates and ferrites together with small impurities of magnesia, chromium and complex alkali metal compounds, along with sand/gravel aggregates.				
Section III - Physical/Chemical Characteristics				
Boiling Point	N/A	Specific Gravity		3.05 - 3.20
Vapor Pressure	N/A	Melting Point		N/A
Vapor Density	N/A	Evaporation Rate		N/A
Solubility in Water Slight (0.1 - 1.0%)				
Appearance and Odor WHEN DRY: Fine, gray powder, no odor WHEN WET: Gray, plastic, flowable, granular mud, no odor				
Section IV - Fire and Explosion Hazard Data				
Flash Point (Method Used) Will not ignite		Flammable Limits N/A		LEL N/A UEL N/A
Extinguishing Media N/A				
Special Fire Fighting Procedures None				
Unusual Fire and Explosion Hazards None				

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	XX	

Incompatibility (Materials to Avoid) Material is highly alkaline. Contact with acids will produce a violent, exothermic reaction and may evolve toxic gases or vapors, depending upon the acid involved.

Hazardous Decomposition or Byproducts
Does Not Apply

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	XX	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
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Health Hazards (Acute and Chronic)

ACUTE: Irritation of skin, eyes, or nasal passages. Cough and labored breathing if excessive dust is inhaled. When wet, contact with the skin or eyes may result in irritation and/or alkali burns.

CHRONIC: Cement dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Silica dust can cause Silicosis of the lung. Hypersensitive individuals may develop an allergic dermatitis

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

Other exposure limits: 30 million particles per cubic foot (mppcf) - ACGIH workplace exposure

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.

Cough and labored breathing.

Medical Conditions Generally Aggravated by Exposure
Respiratory disorders or diseases, dermatitis or other skin disorders may be aggravated by exposure.

Emergency and First Aid Procedures

SKIN CONTACT: Immediately wash skin thoroughly with soap and water. EYE CONTACT: Immediately flush eyes with large quantities of water for at least 15 minutes. Consult a physician. INHALATION: Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in case Material is Released or Spilled

Clean-up of spills may require personal protective equipment to prevent dust exposures and protect against alkali burns or irritation.

Waste Disposal Method

If this material, as packaged, becomes a waste, it does not meet the criteria for a hazardous waste as defined by the EPA under the authority of the Resource Conservation and Recovery Act (40CFR 261). Dispose of in accordance with Federal, State and local regulations.

Precautions to be Taken in Handling and Storing
Should be stored in a manner to prevent contact with strong acids. Contact with water should be avoided to preserve product.

Other Precautions

None

Section VIII - Control Measures

Respiratory Protection (Specify Type)
NIOSH/MSHA approved for protection against nuisance dusts.

Ventilation	Local Exhaust	Mechanical	Special	Other
	General or local exhaust to maintain exposure below TLV/PEL			

Protective Gloves	Eye Protection
Rubber, PVC, Neoprene, or other impervious material	Goggles

Other Protective Clothing or Equipment
Rubber high top boots, barrier creams, arm sleeves and aprons may be used, when necessary, to prevent skin contact.

Work/Hygienic Practices
See Section VII and Section VIII