

Material Safety Data Sheet

U.S. Department of Labor



May be used to comply with

OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

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.
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Section I

Manufacturer's Name Croell Kedi-Mix Inc.	Emergency Telephone Number 641-394-6789
Address (Number, Street, City, State, and ZIP Code) 2010 Kenwood, AVE.	Telephone Number for Information 641-394-6789
New Hampton, Ia	Date Prepared 3-21-89
50659	Signature of Preparer (optional)

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	none %(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, 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 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 0.1%)			
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			

(Reproduce locally)

OSHA 174, Sept. 1985

Section V - Reactivity Data

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

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). Cement may contain trace amounts of chromium. Chronic - Hypersensitive individuals may develop an allergic dermatitis.			
Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
Signs and Symptoms of Exposure Irritation of skin and burning sensation particularly when exposed to 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 Flush 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, & 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

Other Precautions warning - little heat is sensed. Eye protection is not generally required except when placing methods cause splash when tight fitting goggles should be used.

Section VIII - Control Measures

Respiratory Protection (Specify Type)		
Not Required		
Ventilation	Local Exhaust	Special
	Mechanical (General)	Other
Protective Gloves	Eye Protection	
See VII	See VII	
Other Protective Clothing or Equipment		
See VII		
Work/Hygienic Practices		
See VII		

Notice: Information contained herein is generic and has been compiled for assistance in development of actual material safety data sheet.